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PLEASE NOTE: EPA is committed to advancing science to protect public health from the risks of exposure to certain PFAS, and to provide essential health protective information to regulators and the public. That is why EPA published interim Health Advisories for PFOA and PFOS in June 2022, based on a robust assessment of the best available science at that time. On March 14, 2023, EPA released a proposed national primary drinking water regulation (NPDWR) for PFOA and PFOS, as well as for four additional PFAS and their mixtures. This rule has considered additional updates to the science and is responsive to peer review feedback provided by EPA's Science Advisory Board.

In the proposed rule, EPA presents updated noncancer toxicity values based on evaluating additional scientific information. These updated values are different from those used to calculate the 2022 interim HAs, which EPA based on the best available science at that time. EPA is accepting public comments on its proposed NPDWR, including on the proposed maximum contaminant level goals (MCLGs), other supporting information, and the draft 2023 toxicity values for PFOA and PFOS which are based on the best available science. Note that the MCLGs in the proposed rule are zero.

The 2022 interim Health Advisories for PFOA and PFOS will continue to remain available as EPA finalizes a national primary drinking water regulation for those contaminants.

INTERIM
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- Office of Research and Development

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Abbreviations and Acronyms

AIX	anion exchange	GAC	granular activated carbon
ANSI	American National Standards Institute	HA	Health Advisory
AWWA	American Water Works Association	HECD	Health and Ecological Criteria Division
BMD	benchmark dose	HESD	Health Effects Support Document
BMDL	benchmark dose lower confidence limit	HI	hazard index
Br-DBP	brominated disinfection byproduct	HQ	hazard quotient
bw or BW	body weight	iHA	interim Health Advisory
CASRN	Chemical Abstracts Service Registry Number	i	mixture component chemical
CCL	Contaminant Candidate List	IRIS	Integrated Risk Information System
CDC	Centers for Disease Control and Prevention	L/(m ² ·hr)	liters per square meter per hour
CI	confidence interval	LC/MS/MS	liquid chromatography/tandem mass spectrometry
CSF	cancer slope factor	LOAEL	lowest-observed-adverse-effect level
DBP	disinfection byproduct	MCL	Maximum Contaminant Level
DOM	dissolved organic matter	MCLG	Maximum Contaminant Level Goal
DQO	data quality objective	mg/kg bw-day	milligrams per kilogram body weight per day
DWI	drinking water intake	mg/L	milligrams per liter
DWI-BW	body weight-adjusted drinking water intake	m/hr	meters per hour
E	human exposure	MPa	megapascal
EBCT	empty bed contact time	MRL	minimum reporting level
EF	exposure factor	NF	nanofiltration
EFH	Exposure Factors Handbook	ng/L	nanograms per liter
EPA	U.S. Environmental Protection Agency	NHANES	National Health and Nutrition Examination Survey
Eq.	equation		
FCID	Food Commodity Intake Database		

NOAEL	no-observed-adverse-effect level	RO	reverse osmosis
NOM	natural organic matter	RPF	relative potency factor
NPDWR	National Primary Drinking Water Regulation	RSC	relative source contribution
OGWDW	Office of Ground Water and Drinking Water	SAB	Science Advisory Board
ORD	Office of Research and Development	SAB PFAS Panel	Science Advisory Board Per- and Polyfluoroalkyl Substances Review Panel
OST	Office of Science and Technology	SDWA	Safe Drinking Water Act
OW	Office of Water	SNUR	Significant New Use Rule
PAC	powdered activated carbon	TSCA	Toxic Substances Control Act
PBPK	physiologically-based pharmacokinetic	UCMR	Unregulated Contaminant Monitoring Rule
PFAS	per- and polyfluoroalkyl substances	UF	uncertainty factor
PFBS	perfluorobutane sulfonic acid	UF _A	interspecies uncertainty factor
PFOA	perfluorooctanoic acid	UF _C	composite uncertainty factor
PFOS	perfluorooctane sulfonic acid	UF _D	database uncertainty factor
pK _a	acid dissociation constant	UF _H	intraspecies uncertainty factor
POD	point of departure	UF _L	lowest-observed-adverse-effect level-
POD _{HED}	point of departure human equivalent dose		to-no-observed-adverse-effect level extrapolation
ppq	parts per quadrillion		uncertainty factor
ppt	parts per trillion		subchronic-to-chronic exposure duration
PWS	public water system	UF _S	extrapolation
QC	quality control		uncertainty factor
RfD	reference dose		micrograms per liter
RfV	reference value	µg/L	

1.0 Introduction: Background and Scope of Interim Health Advisory

The Safe Drinking Water Act (SDWA) (42 U.S.C. § § 300f - 300j-27) authorizes the U.S. Environmental Protection Agency (EPA) to develop drinking water Health Advisories (HAs).¹ HAs are national non-enforceable, non-regulatory drinking water concentration levels of a specific contaminant at or below which exposure for a specific duration is not anticipated to lead to adverse human health effects.² HAs are intended to provide information that tribal, state, and local government officials and managers of public water systems (PWSs) can use to determine whether actions are needed to address the presence of a contaminant in drinking water. HA documents reflect the best available science and include HA values as well as information on health effects, analytical methodologies for measuring contaminant levels, and treatment technologies for removing contaminants from drinking water. EPA's lifetime HAs identify levels to protect all Americans, including sensitive populations and life stages, from adverse health effects resulting from exposure throughout their lives to contaminants in drinking water.

Interim or provisional HA values can be developed to provide information in response to an urgent or rapidly developing situation. EPA has developed an interim lifetime noncancer HA (iHA) for perfluorooctanoic acid (PFOA) to replace the 2016 lifetime HA of 0.07 micrograms per liter (µg/L) (70 parts per trillion [ppt]) because analyses of more recent health effects studies show that PFOA can impact human health at exposure levels much lower than reflected by the 2016 PFOA lifetime HA. EPA has developed an interim rather than a final HA for PFOA because the input values used to derive the iHA are currently draft values and EPA has identified a pressing need to provide information to public health officials prior to their finalization.

In 2009, EPA developed a provisional HA for PFOA (U.S. EPA, 2009a) based on the best information available at that time. Also, PFOA was included on the third and fourth drinking water Contaminant Candidate Lists (CCLs)³ (U.S. EPA, 2009b, 2016a). After PFOA was listed on the third CCL in 2009, EPA initiated development of a Health Effects Support Document (HESD) for PFOA to assist officials and PWS managers in protecting public health when PFOA is present in drinking water. The HESD was published in 2016 after peer review (U.S. EPA, 2016b). EPA developed a final HA for PFOA (U.S. EPA, 2016c) based on data and analyses in the 2016 HESD and agency guidance on exposure and risk assessment.

In March 2021, EPA published a final determination to regulate PFOA with a National Primary Drinking Water Regulation (NPDWR) under SDWA (U.S. EPA, 2021a). NPDWRs include legally-enforceable Maximum Contaminant Levels (MCLs) and/or treatment technique requirements that apply to PWSs. To support the development of the NPDWR, EPA developed the *Proposed Approaches to the Derivation of a Draft Maximum Contaminant Level Goal for*

¹ SDWA § 1412(b)(1)(F) authorizes EPA to “publish health advisories (which are not regulations) or take other appropriate actions for contaminants not subject to any national primary drinking water regulation.” www.epa.gov/sites/default/files/2020-05/documents/safe_drinking_water_act-title_xiv_of_public_health_service_act.pdf

² This document is not a regulation and does not impose legally binding requirements on EPA, states, tribes, or the regulated community. This document is not enforceable against any person and does not have the force and effect of law. No part of this document, nor the document as a whole, constitutes final agency action that affects the rights and obligations of any person. EPA may change any aspects of this document in the future.

³ The CCL is a list (published every five years) of contaminants that are not currently subject to any National Primary Drinking Water Regulation (NPDWR) but are known or anticipated to occur in PWSs and may require future regulation under SDWA.

Perfluorooctanoic Acid (PFOA) (CASRN 335-67-1) in Drinking Water (U.S. EPA, 2021b) (hereafter referred to as “draft PFOA document”) which includes an updated health effects assessment of the peer-reviewed literature, cancer classification, draft chronic reference dose (RfD), and draft relative source contribution (RSC) value. The development of the draft noncancer chronic RfD for PFOA was performed by a cross-agency per- and polyfluoroalkyl substances (PFAS) Science Working Group to support the PFAS NPDWR. In November 2021, EPA announced the Science Advisory Board (SAB) PFAS Review Panel’s (SAB PFAS Panel’s) review (U.S. EPA, 2021c) of the draft PFOA document along with three other draft documents supporting the NPDWR (U.S. EPA, 2022a).

The 2021 data and analyses described in the draft PFOA document indicate that PFOA exposure levels at which adverse health effects have been observed are much lower than previously understood when EPA issued an HA for PFOA in 2016. As a result, EPA announced in 2021⁴ that it would move quickly to update the 2016 HA for PFOA to reflect the latest, best available science as well as input from the SAB PFAS Panel. An updated PFOA HA is consistent with EPA’s commitments for action on PFAS described in EPA’s PFAS Strategic Roadmap (U.S. EPA, 2021d).

In April 2022, the SAB PFAS Panel made public a draft report of its review of the draft PFOA document (U.S. EPA, 2022a) which indicated general support for the draft conclusions but recommended additional analyses be performed prior to finalizing the RfD and RSC. Because the RfD in the draft PFOA document is much lower than the RfD used to derive the 2016 HA, there is a pressing need to provide updated information on the current best available science to public health officials prior to finalization of the health effects assessment. Therefore, EPA has decided to issue an iHA using the draft chronic RfD and RSC values. Additionally, EPA derived multiple candidate cancer slope factors (CSFs) in the draft PFOA document but did not yet select one overall draft CSF; therefore, EPA has not derived an updated interim 10^{-6} cancer risk concentration for PFOA in this iHA document. As noted in the draft PFOA document, the candidate CSFs derived from the more recent human and animal studies indicate that PFOA is a more potent carcinogen than was described in the 2016 HA document. An initial evaluation of the multiple candidate CSFs indicates that resulting 10^{-6} cancer risk concentrations are either comparable to or greater than the lifetime noncancer iHA value for PFOA. EPA is currently reviewing and evaluating the available information to derive a CSF for PFOA as part of the NPDWR.

After receiving SAB’s final report, EPA will fully address SAB feedback and recommendations, which could lead EPA to draw different conclusions than are reflected in the draft PFOA document and this iHA document. EPA anticipates proposing a NPDWR in fall 2022 and finalizing the NPDWR in fall 2023. EPA may update or remove the iHA for PFOA upon finalization of the NPDWR.

1.1 PFOA General Information and Uses

PFOA is a synthetic fluorinated organic chemical that has been manufactured and used in a variety of industries since the 1940s (U.S. EPA, 2018). It repels water and oil, is chemically and thermally stable, and exhibits surfactant properties. Based on these properties, it has been used in

⁴ EPA Advances Science to Protect the Public from PFOA and PFOS in Drinking Water [Press release], Nov 16, 2021: <https://www.epa.gov/newsreleases/epa-advances-science-protect-public-pfoa-and-pfos-drinking-water>

the manufacture of many materials, including cosmetics, paints, polishes, and nonstick coatings on fabrics, paper, and cookware. It is very persistent in the human body and the environment (Calafat et al., 2007, 2019). More information about PFOA's uses and properties can be found in the 2016 HA document for PFOA (U.S. EPA, 2016c) and the draft PFOA document (U.S. EPA, 2021b).

In 2006, EPA invited eight major companies to commit to working toward the elimination of their production and use of PFOA (and chemicals that degrade to PFOA) and elimination of these chemicals from emissions and products by the end of 2015.⁵ All eight companies have since phased out manufacturing PFOA. PFOA is included in EPA's Toxic Substances Control Act (TSCA) Significant New Use Rule (SNUR) issued in January 2015, which ensures that EPA will have an opportunity to review any efforts to reintroduce the chemical into the marketplace and take action, as necessary, to address potential concerns (U.S. EPA, 2015). Limited existing uses of PFOA-related chemicals, including as a component of anti-reflective coatings in the production of semiconductors, were excluded from the regulations (U.S. EPA, 2021e).

1.2 Occurrence in Water and Exposure to Humans

1.2.1 Occurrence in Water

EPA requires sampling at drinking water systems under the Unregulated Contaminant Monitoring Rule (UCMR) to collect data for contaminants that are known or suspected to be found in drinking water and do not have health-based standards under SDWA. A new UCMR is issued every five years. The first four UCMRs required monitoring of all large public drinking water systems (> 10,000 people) and a subset of smaller systems serving < 10,000 people. The third UCMR (UCMR 3), conducted from 2013–2015, is currently the best available source of national occurrence data for PFOA in drinking water (U.S. EPA, 2017a, 2021a,b,f). A total of 379 samples from 117 PWSs (out of 36,972 total samples from 4,920 PWSs) had detections of PFOA (i.e., greater than or equal to the minimum reporting level [MRL]⁶ of 0.02 µg/L). PFOA concentrations for these detections ranged from 0.02 µg/L (the MRL) to 0.349 µg/L (median concentration of 0.03 µg/L; 90th percentile concentration of 0.07 µg/L).

In 2016, EPA recommended that when PFOA and perfluorooctane sulfonic acid (PFOS) co-occur at the same time and location in drinking water sources, a conservative and health-protective approach is to consider the sum of the concentrations. An analysis of the UCMR 3 data showed that 508 samples from 162 PWSs (out of 36,972 samples from 4,920 PWSs) had detections of PFOA and/or PFOS (i.e., at or above the MRL of 0.02 µg/L for PFOA or 0.04 µg/L for PFOS). The sum of reported PFOA and/or PFOS concentrations ranged from 0.02 to 7.22 µg/L. Although it is not possible to determine the full extent of PFOA and/or PFOS occurrence based on UCMR 3 detections, sites where elevated levels of PFOA and/or PFOS were detected during UCMR 3 monitoring may have taken steps to mitigate exposure including installing treatment systems and/or blending water from multiple sources, or remediating known sources of contamination (U.S. EPA, 2021a).

⁵ *Fact Sheet: 2010/2015 PFOA Stewardship Program* available at <https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/fact-sheet-20102015-pfoa-stewardship-program>

⁶ The MRL refers to the quantitation level selected by EPA to ensure reliable and consistent results. It is the minimum quantitation level that can be achieved with 95 percent confidence by capable analysts at 75 percent or more of the laboratories using a specified analytical method (U.S. EPA, 2021g).

The fifth UCMR (UCMR 5) will require monitoring for 29 PFAS, including PFOA, using EPA methods 533 (U.S. EPA, 2019a) and 537.1 (U.S. EPA, 2020). UCMR 5 monitoring will take place from 2023–2025 and will include all large PWSs serving > 10,000 people, all systems serving 3,300–10,000 people (subject to the availability of appropriations), and a subset of smaller systems serving < 3,300 people (U.S. EPA, 2021g). EPA established an MRL for PFOA of 0.004 µg/L under UCMR 5, which is 5-fold lower than the MRL used in UCMR 3.

Some states have conducted monitoring for PFOA in drinking water (by selecting sampling locations randomly, and/or sampling from targeted locations). PFOA has been detected in the finished drinking water of at least 20 states (ADEM, 2021; AZDEQ, 2021; CADDW, 2021; CDPHE, 2020; DE ODW, 2021; GAEPD, 2021; ILEPA, 2021; KYDEP, 2019; MAEEA, 2021; MDE, 2021; MEDEP, 2020; MI EGLE, 2021; NCDEQ, 2021; NHDES, 2021; NJDEP, 2021; OHDOH, 2020; PADEP, 2021; RIDOH, 2020; SCDHEC, 2020; VTDEC, 2021).

1.2.2 Exposure in Humans

As noted in the draft PFOA document (U.S. EPA, 2021b), the Centers for Disease Control and Prevention (CDC) National Health and Nutrition Examination Survey (NHANES) has measured blood serum concentrations of several PFAS in the general U.S. population since 1999. PFOA has been detected in up to 98% of serum samples collected in biomonitoring studies that are representative of the U.S. general population; however, blood levels of PFOA declined by more than 60% between 1999 and 2014, presumably due to restrictions on PFOA commercial usage in the United States. (CDC, 2017). NHANES biomonitoring data from 1999–2000 reveal a mean serum PFOA concentration of 5.21 µg/L (95% confidence interval [CI] of 4.72–5.74 µg/L) and a 90th percentile serum PFOA concentration of 9.4 µg/L (95% CI 8.2–11.1 µg/L) across 1,562 samples representative of the U.S. population. For 2013–2014, mean and 90th percentile serum PFOA concentrations were 1.94 µg/L (95% CI 1.76–2.14 µg/L) and 4.27 µg/L (95% CI 3.57–5.17 µg/L), respectively (2,165 samples) (CDC, 2021). In 2017–2018, the mean serum PFOA concentration was 1.42 µg/L (95% CI 1.33–1.52 µg/L) and the 90th percentile serum PFOA concentration was 2.97 µg/L (95% CI 2.77–3.37 µg/L) across 1,929 samples (CDC, 2021). For additional information about PFOA exposure in humans, see Sections 3.3 and 5.0 of U.S. EPA (2021b).

1.3 Source of Toxicity Information for Interim Health Advisory Development

The lifetime noncancer iHA for PFOA is derived from draft values (i.e., chronic RfD and RSC) and relies on the best available science as derived in the draft PFOA document (U.S. EPA, 2021b), which is currently undergoing peer review by the SAB PFAS Panel. To develop the updated toxicity information in the draft PFOA document, a systematic review and evidence-mapping approach was utilized to identify, screen, and evaluate health effects data for PFOA. A literature search was performed to identify studies on the health effects of PFOA exposure in animals and humans published since the 2016 HESD and HA for PFOA. The search results were screened for relevancy, and literature identified as relevant underwent study quality evaluation and data extraction (please see U.S. EPA [2021b] for more details). Evidence for each health outcome was analyzed and synthesized, and overall judgments about the strength of the evidence were developed. The best available health effects information identified and analyzed using systematic review was then used in the derivation of the chronic RfD. This systematic review process has been peer reviewed and is used by EPA's Office of Research and Development

(ORD) Integrated Risk Information System (IRIS) program, as summarized in the draft PFOA document (U.S. EPA, 2021b). Similarly, a systematic review approach was used to identify, screen, and evaluate exposure information to develop the RSC based on the best available science.

1.4 Exposure Factor Information

An exposure factor (EF), such as body weight-adjusted drinking water intake (DWI-BW), is one of the input values for deriving a drinking water HA. EFs are factors related to human activity patterns, behavior, and characteristics that help determine an individual's exposure to a contaminant. EPA's *Exposure Factors Handbook* (EFH)⁷ is a resource for conducting exposure assessments and provides EFs based on information from publicly available, peer-reviewed studies. Chapter 3 of the EFH presents EFs in the form of drinking water intake values (DWIs) and DWI-BWs for various populations or life stages within the general population (U.S. EPA, 2019b). The use of EFs in HA calculations is intended to protect sensitive populations within the general population from adverse effects resulting from exposure to a contaminant.

When developing HAs, the goal is to protect all ages of the general population including potentially sensitive populations such as children. The approach to select the EF for drinking water HA derivation includes a step to identify potentially sensitive population(s) or life stage(s) (i.e., populations or life stages that may be more susceptible or sensitive to a chemical exposure) by considering the available data for the contaminant. Although data gaps can prevent identification of the most sensitive population (e.g., not all windows of exposure or health outcomes have been assessed for PFOA), the critical effect and point-of-departure (e.g., human equivalent benchmark dose [BMD]) that form the basis for the RfD can provide some information about sensitive populations because the critical effect is typically observed at the lowest tested dose among the available data. Evaluation of the critical study, including the exposure interval, may identify a particularly sensitive population or life stage (e.g., pregnant women, formula-fed infants, lactating women). In such cases, EPA can select the corresponding EFs for that sensitive population or life stage from the EFH (U.S. EPA, 2019b) for use in HA derivation. When multiple potentially sensitive populations or life stages are identified based on the critical effect or other health effects data (from animal or human studies), EPA selects the population or life stage with the greatest DWI-BW because it is the most health protective. For deriving lifetime HA values, the RSC corresponding to the selected sensitive life stage is also determined when data are available (see Section 2.2). In the absence of information indicating a potentially sensitive population or life stage, the EF corresponding to all ages of the general population may be selected.

To derive a chronic HA, EPA typically uses a DWI normalized to body weight (i.e., DWI-BW in L of water consumed/kg bw-day) for all ages of the general population or for a sensitive population or life stage, when identified. The Joint Institute for Food Safety and Applied Nutrition's Food Commodity Intake Database (FCID) Consumption Calculator Tool⁸ includes the EFs from EPA's EFH and can also be used to estimate DWIs and DWI-BWs for specific populations, life stages, or age ranges. EPA uses the 90th percentile DWI-BW to ensure that the

⁷ Available at <https://www.epa.gov/expobox/about-exposure-factors-handbook>. The latest edition of the EFH was released in 2011, but since October 2017, EPA has begun to release chapter updates individually.

⁸ Joint Institute for Food Safety and Applied Nutrition's FCID Commodity Consumption Calculator is available at <https://fcid.foodrisk.org/percentiles>

HA is protective of the general population as well as sensitive populations or life stages (U.S. EPA, 2000a, 2016c). In 2019, EPA updated its EFs for DWI and DWI-BW based on newly available science (U.S. EPA, 2019b).

1.5 Approach for Lifetime Health Advisory Calculation

The following equation (Eq. 1) is used to derive an interim or final lifetime noncancer HA. A lifetime noncancer HA is designed to be protective of noncancer effects over a lifetime of exposure and is typically based on a chronic *in vivo* experimental animal toxicity study and/or human epidemiological data.

$$\text{Lifetime HA} = \left(\frac{\text{RfD}}{\text{DWI-BW}} \right) * \text{RSC} \quad (\text{Eq. 1})$$

Where:

DWI-BW = the 90th percentile DWI for the selected population, adjusted for body weight, in units of L/kg bw-day. The DWI-BW considers both direct and indirect consumption of tap water (indirect water consumption encompasses water added in the preparation of foods or beverages, such as tea or coffee).

RfD = chronic reference dose—an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily oral exposure of the human population to a substance that is likely to be without an appreciable risk of deleterious effects during a lifetime.

RSC = relative source contribution—the percentage of the total oral exposure attributed to drinking water sources where the remainder of the exposure is allocated to all other routes or sources (U.S. EPA, 2000a).

2.0 Interim Health Advisory Derivation: PFOA

A lifetime noncancer iHA was derived for PFOA. The DWI-BW selected to derive the iHA is for 0- to < 5-year-old children because PFOA exposure was measured in 5-year-old children in the critical study, and it is reasonable to expect that PFOA exposure levels were similar from birth through age 5 (see Section 2.2). Since a DWI-BW for 0- to < 5-year-old children was used, the iHA for PFOA is expected to be protective of children and adults of all ages in the general population; however, available data on the most sensitive population or life stage are limited.

Short-term iHAs (e.g., one- or ten-day iHAs) were not derived for PFOA because the draft PFOA document did not derive an RfD for short-term exposure. Additionally, EPA considers the lifetime iHA for PFOA to be applicable to short-term as well as lifetime risk assessment scenarios because the critical health effect on which the draft chronic RfD used to calculate the iHA is based (i.e., deficient antibody response to tetanus vaccine in children) resulted from PFOA exposure during a developmental life stage. EPA's risk assessment guidelines indicate that adverse effects can result from even brief exposure during a critical period of development (U.S. EPA, 1991). Therefore, the lifetime iHA for PFOA (calculated in Section 2.4) and the draft chronic RfD from which it is derived (see Table 1) are considered applicable to short-term PFOA exposures via drinking water.

In accordance with EPA’s *Guidelines for Carcinogen Risk Assessment* (U.S. EPA, 2005a), the draft PFOA document (U.S. EPA, 2021b) classified PFOA as *likely to be carcinogenic to humans* based on evidence of kidney and testicular cancer in humans and Leydig cell tumors, pancreatic acinar cell tumors, and hepatocellular adenomas in rats. The draft report of the SAB Panel’s review of the draft PFOA document (U.S. EPA, 2022a) indicated general agreement with this classification, but an interim 10^{-6} cancer risk concentration for PFOA was not derived because the selection of a CSF is ongoing. Candidate draft CSFs from human and animal studies were identified in the draft PFOA document, but one was not selected as the preferred draft CSF for derivation of a 10^{-6} cancer risk concentration (U.S. EPA, 2021b). An initial evaluation of the candidate CSFs shows that they would result in 10^{-6} cancer risk concentrations that are either comparable to or greater (i.e., less health-protective) than the iHA value for PFOA.

2.1 Toxicity

Table 1 reports the draft chronic RfD derived in the draft PFOA document (U.S. EPA, 2021b) that was used to develop the lifetime iHA for PFOA.

Table 1. Draft Chronic RfD, Critical Effect, and Critical Study Used to Develop the Lifetime iHA for PFOA.

Source	For the Lifetime iHA for PFOA			
	RfD (mg/kg bw-day)	PFOA Exposure in Critical Study	Critical Effect	Principal and Associated Studies (Study Type)
<i>Proposed Approaches to the Derivation of a Draft Maximum Contaminant Level Goal for Perfluorooctanoic Acid (PFOA) (CASRN 335-67-1) in Drinking Water [Draft]</i> (U.S. EPA, 2021b)	1.5×10^{-9}	PFOA measured in serum of 5-year-old children	Developmental immune health outcome (suppression of tetanus vaccine response in 7-year-old children)	Grandjean et al., 2012; Budtz-Jorgensen and Grandjean, 2018 (epidemiological study)

Note: mg/kg bw-day = milligrams per kilogram body weight per day.

Decreased serum anti-tetanus antibody concentration in children, which was associated with increased serum PFOA concentrations (Budtz-Jorgensen and Grandjean, 2018; Grandjean et al., 2012), was selected as the critical effect for draft chronic RfD derivation. As noted in the draft PFOA document (U.S. EPA, 2021b), selection of this draft critical effect is expected to be protective of all other adverse health effects in humans because this adverse effect of decreased immune response to vaccination was observed after exposure during a sensitive developmental life stage, and it yields the lowest point of departure (POD) human equivalent dose (POD_{HED}) among the candidate POD_{SHED}. Other candidate RfDs were derived based on other health effects (e.g., development/growth) observed in epidemiology studies; all of the candidate RfDs are

associated with low daily oral exposure doses, ranging from $\sim 10^{-6}$ to 10^{-9} milligrams per kilogram body weight per day (mg/kg bw-day) (U.S. EPA, 2021b; Table 23).

The selected draft POD_{HED} for the critical effect was derived by performing BMD modeling (see Appendix B1 of U.S. EPA, 2021b) on the measured PFOA serum concentrations at age five reported in the critical study, which yielded an internal serum concentration POD in milligrams per liter (mg/L). This internal serum concentration POD was then converted to an external dose (POD_{HED}) in mg/kg bw-day using the updated physiologically-based pharmacokinetic (PBPK) model developed by Verner et al. (described in Section 4.1.3.2 of U.S. EPA, 2021b). Specifically, the POD_{HED} was calculated as the external dose (*in utero* through age five) that results in the internal serum concentration measured at five years of age in the critical study. (Note that the model predicted slightly different values for male and female children; the lower POD_{HED} was selected to be more health protective.) An intraspecies uncertainty factor (UF_H) of 10 was applied to the selected draft POD_{HED} to account for variability in the response within the human population in accordance with methods described in EPA's *A Review of the Reference Dose and Reference Concentration Processes* (U.S. EPA, 2002). EPA applied a value of 1 for the remaining four uncertainty factors (UFs): interspecies UF (UF_A), because the critical effect was observed in humans and there is no need to account for uncertainty associated with animal-to-human extrapolation; lowest-observed-adverse-effect level (LOAEL)-to-no-observed-adverse-effect level (NOAEL) extrapolation UF (UF_L), because a benchmark dose lower confidence limit (BMDL) instead of a LOAEL was used as the basis for POD_{HED} derivation; subchronic-to-chronic exposure duration extrapolation UF (UF_S), because the critical effect on the developing immune system in children was observed after exposure during gestation and/or early childhood, a sensitive period that can lead to severe effects without lifetime exposure; and a database UF (UF_D), because the database of animal and human studies on the effects of PFOA is comprehensive (see the draft PFOA document [U.S. EPA, 2021b] for further details). Thus, the total or composite UF (UF_C) used to derive the PFOA RfD was 10.

2.2 Exposure Factors

To identify potentially sensitive populations, EPA considered the sensitive life stage of exposure associated with the critical effect on which the draft chronic RfD was based. The critical study that was selected for draft chronic RfD derivation (see Table 1) established an association in children between PFOA serum concentration (measured at age five, after three of four tetanus vaccinations) and decreased anti-tetanus antibody concentration (measured at age seven, approximately two years after all four tetanus vaccinations) (Budtz-Jorgensen and Grandjean, 2018). Based on limited available data to inform the critical PFOA exposure window for this critical developmental immune effect, the serum PFOA concentrations measured in 5-year-old children in this study are assumed to represent PFOA exposure from birth to the time of measurement. EPA acknowledges that the DWI-BW varies between ages 0 and 5 years (U.S. EPA, 2019b); however, the available data do not permit a more precise identification of the most sensitive or critical PFOA exposure window for the developmental immune outcome because studies with different exposure intervals have not been performed.

EPA calculated and considered DWI-BWs for other potentially sensitive age ranges indicated by the critical study data (e.g., 0 to < 7 years, 1 to < 5 years, 1 to < 7 years; Table 2). The DWI-BW for children aged 0 to < 5 years was selected among the DWI-BWs (see Table 2) because it is the greatest value and therefore the most health-protective. EPA also considered the use of a DWI-

BW for formula-fed infants (i.e., infants fed primarily or solely with water-reconstituted infant formula) because their DWI-BW is higher (U.S. EPA, 2019b) and the infant life stage occurs within the 0- to < 5-year age range. However, a greater RSC would be used for formula-fed infants than for 0- to < 5-year-olds, which would result in a less health-protective iHA value (see Section 2.3). Therefore, EPA selected the DWI-BW for 0- to < 5-year-olds.

Table 2. EPA Exposure Factors for Drinking Water Intake for Candidate Sensitive Populations Based on the Critical Effect and Study.

Population	DWI-BW (L/kg bw-day)	Description of Exposure Metric	Source
Children aged 0 to < 5 yrs	0.0701	90th percentile direct and indirect consumption of community water, consumers-only population, two-day average ^a	<i>Exposure Factors Handbook</i> , Chapter 3 (U.S. EPA, 2019b), NHANES 2005–2010 ^b
Children aged 0 to < 7 yrs	0.0553		
Children aged 1 to < 5 yrs	0.0447		
Children aged 1 to < 7 yrs	0.0426		

Notes: yrs = years; L/kg bw-day = liters of water consumed per kilogram body weight per day. The DWI-BW used to calculate the iHA is in bold.

^a Community water = water from PWSs; consumers-only population = quantity of water consumed per person in a population composed only of individuals who consumed water during a specified period.

^b DWI-BWs are based on NHANES 2005–2010 data which is also reported in the EFH. DWI-BWs for the age ranges in this table were calculated using the FCID Commodity Consumption Calculator (available at <https://fcid.foodrisk.org/percentiles>).

2.3 Relative Source Contribution

When calculating HA values, EPA applies an RSC which represents the proportion of an individual’s total exposure to a contaminant that is attributed to drinking water ingestion (directly or indirectly in beverages like coffee or tea, as well as from transfer to dietary items prepared with the local drinking water) relative to other exposure pathways. The remainder of the exposure equal to the RfD is allocated to other potential exposure sources (U.S. EPA, 2000a); for PFOA, other potential exposure sources include food and food contact materials, consumer products (e.g., personal care products), ambient and indoor air, and indoor dust. The purpose of the RSC is to ensure that the level of a contaminant (e.g., the HA value), when combined with other identified sources of exposure common to the population of concern, will not result in exposures that exceed the RfD (U.S. EPA, 2000a).

To determine the RSC, EPA follows the Exposure Decision Tree for Defining Proposed RfD (or POD/UF) Apportionment in EPA’s *Methodology for Deriving Ambient Water Quality Criteria for the Protection of Human Health* (U.S. EPA, 2000a). EPA conducted a broad literature search in 2019 to identify and evaluate information on sources of human PFAS (including PFOA) exposure to inform RSC determination, and subsequently updated the search through March 2021 (see U.S. EPA [2021b] for more details on the literature search methodologies and results). This literature search focused on real-world occurrences (measured concentrations) primarily in media commonly related to human exposure (outdoor and indoor air, indoor dust, drinking water, food, food packaging, articles and products, and soil). The initial search identified 3,622 peer-

reviewed papers that matched search criteria (U.S. EPA, 2021b). Despite the U.S. phase-out of production, EPA has found widespread PFOA contamination in water, sediments, and soils. Exposure to PFOA can occur through food (including fish and shellfish), water, house dust, and contact with consumer products. The search did not identify adequate exposure information across potential exposure sources and specific to children aged 0 to < 5 years that could be used to quantify exposure and inform RSC derivation. The findings indicate that many other sources of PFOA exposure beyond drinking water ingestion exist (e.g., food, indoor dust), but that data are insufficient to allow for quantitative characterization of the different exposure sources. EPA's Exposure Decision Tree approach states that when there is insufficient environmental and/or exposure data to permit quantitative derivation of the RSC, the recommended RSC for the general population is 20% (U.S. EPA, 2000a). This means that 20% of the exposure equal to the RfD is allocated to drinking water, and the remaining 80% is attributed to all other potential exposure sources.

2.4 Derivation of Health Advisory Value: Interim Lifetime Noncancer HA

The lifetime iHA for PFOA is calculated as follows:

$$\begin{aligned} \text{Lifetime iHA} &= \left(\frac{\text{RfD}}{\text{DWI-BW}} \right) * \text{RSC} && \text{(Eq. 1)} \\ \text{Lifetime iHA} &= \left(\frac{0.0000000015 \frac{\text{mg}}{\text{kg bw-day}}}{0.0701 \frac{\text{L}}{\text{kg bw-day}}} \right) * 0.2 \\ \text{Lifetime iHA} &= 0.000000004 \frac{\text{mg}}{\text{L}} \\ &= 0.000004 \frac{\mu\text{g}}{\text{L}} \\ &= 0.004 \frac{\text{ng}}{\text{L}} \end{aligned}$$

Based on EPA's *Guidelines for Developmental Toxicity Risk Assessment*, the lifetime iHA can be applied to short-term scenarios because the critical effect identified for PFOA is a developmental effect that can potentially result from short-term PFOA exposure during a critical period of development (U.S. EPA, 1991). EPA concludes that the lifetime iHA of 0.004 nanograms per liter (ng/L) (or 4 parts per quadrillion [ppq]) for PFOA can be applied to both short-term and chronic risk assessment scenarios.

3.0 Analytical Methods

EPA developed the following liquid chromatography/tandem mass spectrometry (LC/MS/MS) analytical methods to quantitatively monitor drinking water for targeted PFAS that include PFOA: EPA Method 533 (U.S. EPA, 2019a) and EPA Method 537.1, Version 2.0 (U.S. EPA, 2020).

EPA Method 533 monitors for 25 select PFAS with published measurement accuracy and precision data for PFOA in reagent water, finished ground water, and finished surface water. For further details about the procedures for this analytical method, please see *Method 533: Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry* (U.S. EPA, 2019a).

EPA Method 537.1 (an update to EPA Method 537 [U.S. EPA, 2009c]) monitors for 18 select PFAS with published measurement accuracy and precision data for PFOA in reagent water, finished ground water, and finished surface water. For further details about the procedures for this analytical method, please see *Method 537.1, Version 2.0, Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)* (U.S. EPA, 2020).

Drinking water analytical laboratories have different performance capabilities dependent upon their instrumentation (manufacturer, age, usage, routine maintenance, operating configuration, etc.) and analyst experience. Some laboratories will effectively generate accurate, precise, quantifiable results at lower concentrations than others. Organizations leading efforts that include the collection of data need to establish data quality objectives (DQOs) to meet the needs of their program. These DQOs should consider establishing reasonable quantitation limits that laboratories can routinely meet, without recurring quality control (QC) failures that will necessitate repeating sample analyses, increase costs, and potentially reduce laboratory capacity. Establishing a quantitation limit that is too high may result in important lower-concentration results being overlooked.

EPA's approach to establishing DQOs within the UCMR program serves as an example. EPA established MRLs for UCMR 5,⁹ and requires laboratories approved to analyze UCMR samples to demonstrate that they can make quality measurements at or below the established MRLs. EPA calculated the UCMR 5 MRLs using quantitation-limit data from multiple laboratories participating in an MRL-setting study. The laboratories' quantitation limits represent their lowest concentration for which future recovery is expected, with 99% confidence, to be between 50 and 150%.

The UCMR 5-derived and promulgated MRL for PFOA is 0.004 µg/L (4 ng/L).

4.0 Treatment Technologies

This section summarizes the available drinking water treatment technologies that have been demonstrated to remove PFOA from drinking water, but it is not meant to provide specific operational guidance or design criteria. Sorption-based treatment processes such as granular activated carbon (GAC), powdered activated carbon (PAC), and anion exchange (AIX), as well as high-pressure membrane processes such as nanofiltration (NF) and reverse osmosis (RO), have been shown to successfully remove PFOA from drinking water to below the 0.004 µg/L MRL for UCMR 5 (Bartell et al., 2010; Hölzer et al., 2009). These treatment processes may have additional benefits on finished water quality by removing other contaminants and disinfection byproduct (DBP) precursors. Care should be taken when introducing one of these processes into

⁹ Information about UCMR 5 is available at <https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule>

a well-functioning treatment train, as there can be interactions with other treatment processes. Care should also be taken for system operators unfamiliar with proper operation and potential hazards. General information and published PFAS treatment data for these processes may be found in EPA's Drinking Water Treatability Database (U.S. EPA, 2022b).

Non-treatment PFOA management practices such as changing source waters, source water protection, or consolidation are also viable PFOA drinking water reduction options. One resource for protecting source water from PFAS, including PFOA, is the *PFAS – Source Water Protection Guide and Toolkit* (ASDWA, 2020), which shares effective strategies for addressing PFAS contamination risk in source waters. Source water protection is particularly important since PFOA can withstand biotic and abiotic degradation mechanisms except in unique situations that cannot be controlled *in situ* or result in complete defluorination (Huang and Jaffe, 2019; Rahman et al., 2014), indicating that PFOA is persistent and thus, natural attenuation is not a valid PFOA management strategy.

4.1 Sorption Technologies

Sorption technologies remove substances present in liquids by accumulation onto a solid phase (Crittenden et al., 2012). The two main sorption technologies that have been successfully used for full-scale PFOA removal are activated carbon and AIX. Activated carbon has been successfully applied in contactors as GAC or in powdered as well as slurry forms (PAC). Key considerations in choosing sorption technologies include influent water quality and desired effluent quality. Influent water quality can greatly impact the ability of sorption technologies to treat drinking water. Desired water quality can drive both operational and capital expenditures. When using a technology requiring a contactor, sizing the contactor is an important consideration that should include a pilot study. Pilot scale testing is highly recommended to ensure the treatment performance will be maximized for given source waters. EPA's *ICR Manual for Bench- and Pilot-Scale Treatment Studies* (U.S. EPA, 1996) contains guidance on conducting pilot studies for contactors which are used for GAC and AIX. Contactor efficacy can be compromised by particulate, organic, and inorganic constituents.

Both GAC and AIX can typically be regenerated when treatment performance reaches an unacceptable level. The choice between regeneration and replacement is a key planning decision. Regeneration can be on- or off-site. On-site regeneration typically requires a higher spatial footprint and capital outlay. Given water quality and other considerations, regenerated media can become totally exhausted or "poisoned" with other contaminants not removed during the regeneration process and must be replaced. However, most AIX resins in current use for PFOA technologies are single-use resins and not designed to be regenerated.

Two common interferences with sorption technologies relevant to PFAS are preloading (when a non-targeted compound is removed ahead of the targeted contaminant and prevents the targeted contaminant from accessing the sorption site) and competitive sorption (when one compound inhibits the removal of another by direct competition). The interferences can result in slowed sorption kinetics and reduced sorption capacities. It is also important to note that sorption technologies are largely reversible. PFAS in general, and PFOA specifically, can detach from sorbents and re-enter drinking water under certain conditions. In addition, direct competition with stronger sorbing constituents can lead to effluent PFOA concentrations temporarily exceeding influent concentration (known as chromatographic peaking). This has been

documented in full-scale treatment plants (Appleman et al., 2013; Eschauzier et al., 2012; McCleaf et al., 2017; Takagi et al., 2011). Common PFOA competitors for binding sites on sorptive media include natural or dissolved organic matter (NOM/DOM) which lowers treatment efficacy (McNamara et al., 2018; Park et al., 2020; Pramanik et al., 2015; Yu et al., 2012). Preloading may be controlled in the design phase through pretreatment processes. For more information about managing preloading, see AWWA (2018a). Competitive sorption may be controlled by changing or regeneration of the sorptive media at appropriate intervals.

4.1.1 Activated Carbon

Activated carbon is a highly porous media with high internal surface areas (U.S. EPA, 2017b). Activated carbon can be made from a variety of materials. Designs that work with carbon made from one source material activated in a specific way may not be optimized for other carbon types. There is some indication that of the common trace capacity tests, higher methylene blue numbers are most correlated with higher PFOA removal (Sörengård et al., 2020). Installing activated carbon as a treatment method may also have ancillary benefits on finished water quality, particularly regarding DBP control, other contaminants, as well as taste-and-odor compounds.

Activated carbon tends to remove non-polar, larger compounds more easily from water than smaller, more polar compounds. Adsorption of acids and bases on activated carbon is pH-dependent. Adsorption of neutral forms, as opposed to anionic forms, is generally stronger, so lowering the pH increases PFOA sorption. However, the acid dissociation constant (pKa) of PFOA is about 3.8 (Burns et al., 2008) and lowering the pH may not be practical operationally.

Before the addition of activated carbon to an existing treatment train, there are issues which should be considered. For instance, activated carbon may change system pH or release leachable metals (particularly arsenic and antimony) especially when new carbon media is first used without acid washing. These effects are typically mitigated through an acid wash or forward flushing. Activated carbon may also impact disinfection efficacy depending on process placement and requires consideration to mitigate its effects; for more information, please see the American Water Works Association (AWWA) GAC standard (American National Standards Institute (ANSI)/AWWA B604-18; AWWA, 2018a) or the AWWA published standard for PAC (ANSI/AWWA B600-16; AWWA, 2016). Activated carbon can also shift the bromide-to-total organic carbon ratio and increase brominated (Br)-DBP concentrations (Krasner et al., 2016); however, despite increased Br-DBP, studies have indicated a decreased overall DBP concentration and risk (Wang et al., 2019). DBPs may be mitigated through NOM (DBP precursor) removal; please see Zhang et al. (2015) for additional information.

4.1.1.1 Granular Activated Carbon

PFOA can be effectively removed from water by using GAC; contactors are normally placed as a post-filter step. Key design criteria include empty bed contact time (EBCT), superficial velocity, and carbon type. Typical EBCTs for PFOA removal are 10–20 minutes and superficial linear velocities are normally 5–15 meters per hour (m/hr). Normal height-to-diameter ratios are around 1.5 to 2.0; lower ratios can cause problems with too-shallow beds and require more space, and higher ratios can induce greater head drops. AWWA has published a GAC standard

(ANSI/AWWA B604-18; AWWA, 2018a) and a standard for GAC reactivation (ANSI/AWWA B605-18; AWWA, 2018b).

4.1.1.2 Powdered Activated Carbon

PAC is the same material as GAC, but it has a smaller particle size and is applied differently. PAC is typically dosed intermittently although it can be employed continuously if there are spatial constraints restricting contactor use. PAC dosage and type, along with dosing location, contact time, and water quality, often influence process cost as well as treatment efficiency (Heidari et al., 2021). For more information on employing PAC, please see the Drinking Water Treatability Database (U.S. EPA, 2022b).

While relatively unstudied in PFAS, increasing PAC dose with other contaminants increases removal to a point, after which it starts to decrease. Jar testing is typically used to empirically determine the optimal PAC dosage; doses between 45 and 100 mg/L are generally suitable for PFOA (Dudley, 2012; Hopkins et al., 2018; Sun et al., 2016). Standardized jar testing procedures have been published (ASTM International, 2019; AWWA, 2011). The AWWA published standard for PAC is ANSI/AWWA B600-16 (AWWA, 2016).

PAC can pose additional safety considerations including depleting oxygen in confined or partially enclosed areas, fire hazards including spontaneous combustion when stored with hydrocarbons or oxidants, and inhalation hazards and must be managed accordingly. PAC is also a good electrical conductor and can create dangerous conditions when it accumulates (AWWA, 2016). These dangers can be effectively mitigated through occupational safety programs such as confined space or fire safety programs. Please see AWWA (2016) for more information.

4.1.2 Ion Exchange

Ion exchange involves the exchange of an aqueous ion (e.g., contaminant) for an ion on an exchange resin. Once the resin has exchanged all its ions for contaminants, it can either be replaced (single use) or regenerated (i.e., restoring its ions for further use).

Different resin types preferentially bind certain ions over others; therefore, resin selection is an important consideration. As PFOA will predominantly exist in an anionic form in water and is a strong acid (U.S. EPA, 2021h), strongly basic AIX resins will be the most relevant for PFOA. Regenerating PFOA-saturated resins has been accomplished effectively with a brine of > 20% sodium chloride and ammonium chloride. Sodium hydroxide may be added to the sodium chloride solution to combat organic fouling; this is referred to as ‘brine squeeze’ and helps in solubilizing NOM and unplugging pores (Dixit et al., 2021). Regenerated media can be “poisoned,” meaning that a non-target ion not removed by the in-place regeneration procedures eventually crowds out available active sites. When this happens or if media is not regenerated, it must be disposed of appropriately. Once PFAS-contaminated spent brine is recovered, it must be treated or disposed of. Resin regeneration may not be practical for water utilities from safety and/or cost perspectives (Liu and Sun, 2021).

In some situations, AIX may outperform activated carbon for removing PFOA from drinking water (Liu and Sun, 2021). Key design parameters for GAC also apply to AIX, and they can be operated similarly. AIX typically uses 2-to-5-minute EBCTs, allowing for lower capital costs and a smaller footprint; compared to GAC, smaller height-to-diameter ratios are typically used in

exchange columns. However, AIX resin is typically more costly compared to GAC which may increase overall operational costs. Columns used in pilot studies are scaled directly to full-scale if loading rates and EBCTs are kept constant (Crittenden et al., 2012).

Before the addition of AIX to an existing treatment train, there are effects which must be considered. For instance, AIX can increase water corrosivity and/or release amines and will increase concentrations of the counter-ion used (typically chloride). These effects may usually be mitigated through prior planning which may include corrosion control adjustments; for more information about corrosion control, see U.S. EPA (2016d). Additionally, PFOA-saturated resin regeneration creates an additional PFOA waste stream which will require appropriate handling. For more information about AIX, please see Crittenden et al. (2012), Dixit et al. (2021), Tanaka (2015), Tarleton (2014), and the EPA Drinking Water Treatability Database (U.S. EPA, 2022b).

4.2 High-Pressure Membranes

NF and RO are high-pressure processes where water is forced across a membrane. The water that transverses the membrane is known as permeate or produce, and has few solutes left in it; the remaining water is known as concentrate, brine, retentate, or reject water and forms a waste stream with concentrated solutes. NF has a less dense active layer than RO, which enables lower operating pressures but also makes it less effective at removing contaminants. Higher operating pressures and initial flux generally enhance removal. Temperature and pH are also significant parameters affecting performance. In general, organic NF membranes have lower operating costs and easier processing than inorganic membranes while maintaining appropriate robustness for PFOA treatment (Jin et al., 2021). NF and RO tend to take up less space than sorptive separation technologies; however, both NF and RO also tend to have higher operating expenses, use a significant amount of energy, and generate concentrate waste streams which require disposal. Generally, NF and RO require pre- and post-treatment processes. Higher expenses typically associated with NF and RO are only rarely competitive from an economic perspective for removing a specific contaminant; however, for waters requiring significant treatment and where concentrate disposal options are reasonably available, NF and RO may be the best option.

PFOA removal fluxes are generally 20–80 liters per square meter per hour ($L/[m^2 \cdot hr]$) at 0.2–1.2 megapascal (MPa) operating pressure (Mastropietro et al., 2021) with removal from 90% to > 99% (Jin et al., 2021). Temperature can dramatically impact flux; it is common to normalize flux to a specific reference temperature for operational purposes (U.S. EPA, 2005b). It is also common to normalize flux to pressure ratios to identify productivity changes attributable to fouling (U.S. EPA, 2005b). It is important to note that water may traverse the membranes from outside-in or inside-out; different system configurations operating at the same flux produce differing quantities of finished water. This means that membrane systems with differing configurations cannot be directly compared based on flux. Total flow per module and cost per module are more important decision support indicators for capital planning. Unlike low-pressure membranes, NF and RO systems are not manufactured as proprietary equipment and membranes from one manufacturer are typically interchangeable with those from others (U.S. EPA, 2005b).

High-pressure membranes may have effects when added onto a well-functioning treatment train. For instance, high-pressure membranes may remove beneficial minerals and increase corrosivity. Increased water corrosivity may need to be addressed through corrosion control treatment

modifications and water may require remineralization. For more information, see AWWA (2007) and U.S. EPA (2016d).

4.3 Point-of-Use Devices for Individual Household PFOA Removal

Although the focus of this treatment technologies section is the different available options for removal of PFOA at drinking water treatment plants, centralized treatment technologies can also often be used in a decentralized fashion as point-of-entry (where the distribution system meets a service connection) or point-of-use (at a specific tap or application) treatment in cases where centralized treatment is impractical or individual consumers wish to further reduce their individual household risks. Many home drinking water treatment units are certified by independent third-party accreditation organizations using ANSI standards to verify contaminant removal claims. NSF International has developed protocols for NSF/ANSI Standards 53 (sorption) and 58 (RO) that establish minimum requirements for materials, design, construction, and performance of point-of-use systems. Previously, NSF P473 was designed to certify PFOA reduction technologies below EPA's 2016 HA of 70 ppt for PFOA; in 2019, these standards were retired and folded into NSF/ANSI 53 and 58. PFOA removal by faucet filters has reportedly averaged 84%, whereas pitcher filters had an average of 67% removal, refrigerator filters 71%, single-stage under-sink filters 56%, two-stage filters > 99%, and RO filters > 92%. Some filters can remove PFOA to below the 0.004 µg/L UCMR 5 reporting limit (Herkert et al., 2020). Boiling water is not an effective point-of-use PFOA treatment, as it will concentrate PFOA.

4.4 Treatment Technologies Summary

Non-treatment PFOA management options, such as changing source waters, source water protection, or consolidation are viable strategies for reducing PFOA concentrations in finished drinking water. Should treatment be necessary, GAC, PAC, AIX, NF, and RO are the best means for removing PFOA from drinking water and can be used in central treatment plants or in point-of-use applications. These treatment processes are separation technologies and produce waste streams with PFOA, and all processes may have unintended effects on the existing treatment trains. PFOA treatment technologies often require pre- as well as post-treatment and may help remove other unwanted contaminants and DBP precursors. Boiling water will concentrate PFOA and should not be considered as an emergency action.

5.0 Consideration of Noncancer Health Risks from PFAS Mixtures

EPA recently released a *Draft Framework for Estimating Noncancer Health Risks Associated with Mixtures of Per- and Polyfluoroalkyl Substances (PFAS)* (U.S. EPA, 2021i) that is currently undergoing SAB PFAS Panel review. That draft document describes a flexible, data-driven framework that facilitates practical component-based mixtures evaluation of two or more PFAS based on current, available EPA chemical mixtures approaches and methods (U.S. EPA, 2000b). Examples are presented for three approaches—Hazard Index (HI), Relative Potency Factor (RPF), and Mixture BMD—to demonstrate application to PFAS mixtures. To use these approaches, specific input values and information for each PFAS are needed or can be developed. These approaches may help to inform PFAS evaluation(s) by federal, state, and tribal partners, as well as public health experts, drinking water utility personnel, and other stakeholders interested in assessing the potential noncancer human health hazards and risks associated with PFAS mixtures.

The HI approach, for example, could be used to assess the potential noncancer risk of a mixture of four component PFAS for which HAs, either final or interim, are available from EPA (PFOA, PFOS, GenX chemicals [hexafluoropropylene oxide dimer acid and its ammonium salt], and perfluorobutane sulfonic acid [PFBS]). In the HI approach described in the draft framework (U.S. EPA, 2021i), a hazard quotient (HQ) is calculated as the ratio of human exposure (E) to a human health-based toxicity value (e.g., reference value [RfV]) for each mixture component chemical (i) (U.S. EPA, 1986). The HI is dimensionless, so in the HI formula, E and the RfV must be in the same units (Eq. 2). In the context of PFAS in drinking water, a mixture PFAS HI can be calculated when health-based water concentrations (e.g., HAs, Maximum Contaminant Level Goals [MCLGs]) for a set of PFAS are available or can be calculated. In this example, HQs are calculated by dividing the measured component PFAS concentration in water (e.g., expressed as ng/L) by the relevant HA (e.g., expressed as ng/L) (Eqs. 3, 4). The component chemical HQs are then summed across the PFAS mixture to yield the mixture PFAS HIs based on interim and final HAs.

$$HI = \sum_{i=1}^n HQ_i = \sum_{i=1}^n \frac{E_i}{RfV_i} \quad (\text{Eq. 2})$$

$$HI = HQ_{\text{PFOA}} + HQ_{\text{PFOS}} + HQ_{\text{GenX}} + HQ_{\text{PFBS}} \quad (\text{Eq. 3})$$

$$HI = \left(\frac{[\text{PFOA}_{\text{water}}]}{[\text{PFOA}_{\text{iHA}}]} \right) + \left(\frac{[\text{PFOS}_{\text{water}}]}{[\text{PFOS}_{\text{iHA}}]} \right) + \left(\frac{[\text{GenX}_{\text{water}}]}{[\text{GenX}_{\text{HA}}]} \right) + \left(\frac{[\text{PFBS}_{\text{water}}]}{[\text{PFBS}_{\text{HA}}]} \right) \quad (\text{Eq. 4})$$

Where:

HI = hazard index

n = the number of component (i) PFAS

HQ_i = hazard quotient for component (i) PFAS

E_i = human exposure for component (i) PFAS

RfV_i = human health-based toxicity value for component (i) PFAS

HQ_{PFAS} = hazard quotient for a given PFAS

[PFAS_{water}] = concentration for a given PFAS in water

[PFAS_{HA}] = HA value, interim or final, for a given PFAS

In cases when the mixture PFAS HI is greater than 1, this indicates an exceedance of the health protective level and indicates potential human health risk for noncancer effects from the PFAS mixture in water. When component health-based water concentrations (in this case, HAs) are below the analytical method detection limit, as is the case for PFOA and PFOS, such individual component HQs exceed 1, meaning that any detectable level of PFOA or PFOS will result in an HI greater than 1 for the whole mixture. Further analysis could provide a refined assessment of the potential for health effects associated with the individual PFAS and their contributions to the potential joint toxicity associated with the mixture. For more details of the approach and illustrative examples of the RPF approach and Mixture BMD approaches, please see U.S. EPA (2021i).

6.0 Interim Health Advisory Characterization

The purpose of developing the lifetime iHA for PFOA is to reflect the best available scientific information which indicates that PFOA can lead to adverse noncancer health effects at exposure levels that are much lower than previously understood (U.S. EPA, 2016c). The PFOA iHA of 0.004 ng/L is considered applicable to both short-term and chronic risk assessment scenarios because the critical effect identified for PFOA can result from developmental exposure and leads to long-term adverse health effects. Therefore, short-term PFOA exposure during a critical period of development may lead to adverse health effects across life stages.

In 2019, EPA initiated an updated literature search and analysis of health effects information for PFOA to better characterize the health hazards and risks of exposure using information published since EPA developed the 2016 HA for PFOA (draft PFOA document; U.S. EPA, 2021b). The draft PFOA document includes an updated cancer classification, draft chronic RfD, and draft RSC. The draft PFOA document is currently undergoing review by the SAB PFAS Panel as part of EPA's process for developing a NPDWR for PFOA under SDWA. The draft report of the SAB PFAS Panel's review (U.S. EPA, 2022a) is supportive of the draft conclusions; however, the SAB PFAS Panel is recommending analyses that may impact the final RfD, CSF, and RSC. Because the iHA is based on draft values, it is subject to change. Additionally, the candidate draft CSFs calculated in the draft PFOA document indicate that PFOA is a more potent carcinogen than described in the 2016 HA for PFOA. However, because the draft PFOA document presented multiple candidate CSFs from the available human and animal studies and did not select one draft CSF, EPA did not derive an updated 10^{-6} cancer risk concentration for PFOA for this iHA document. Furthermore, an initial evaluation of the multiple candidate CSFs indicates that the resulting 10^{-6} cancer risk concentrations are either greater than or in the same range as the iHA value.

EPA expects to propose an MCLG and NPDWR for PFOA in the fall of 2022 and to promulgate a final MCLG and NPDWR by the fall of 2023 after considering public comment. EPA will complete its revisions to address the final SAB report's comments in the proposed PFOA MCLG and NPDWR. EPA may update or remove the iHA for PFOA at that time. Based, however, on the updated systematic review of the best available science on PFOA exposure and health effects and taking into consideration the work EPA is doing now to address SAB comments, the health-based drinking water values for PFOA (HA and MCLG) are anticipated to remain below the current UCMR 5 analytical MRL (0.004 $\mu\text{g/L}$ or 4 ng/L).

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Technical Fact Sheet: Drinking Water Health Advisories for Four PFAS (PFOA, PFOS, GenX chemicals, and PFBS)

Summary

As part of EPA's commitment to safeguard communities from per- and polyfluoroalkyl substances (PFAS), EPA has issued interim updated drinking water health advisories for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS), and final health advisories for hexafluoropropylene oxide (HFPO) dimer acid and its ammonium salt (together referred to as "GenX chemicals") and perfluorobutane sulfonic acid and its related compound potassium perfluorobutane sulfonate (together referred to as "PFBS"). The interim health advisories for PFOA and PFOS are intended to provide information to states and public water systems until the National Primary Drinking Water regulation for PFAS takes effect. All four of these health advisories provide drinking water system operators, and state, tribal, and local officials who have the primary responsibility for overseeing these systems, with information on the health risks of these chemicals, so they can take the appropriate actions to protect their residents.

Background

What Are PFAS?

PFAS are synthetic chemicals that have been manufactured and used by a broad range of industries since the 1940s. PFAS are used in many applications because of their unique physical properties such as resistance to high and low temperatures, resistance to degradation, and nonstick characteristics. PFAS have been detected worldwide in the air, soil, and water. Due to their widespread use and persistence in the environment, most people in the United States have been exposed to PFAS. There is evidence that exposure above specific levels to certain PFAS may cause adverse health effects.

What Are Drinking Water Health Advisories?

Drinking water health advisories (HAs) provide information on contaminants that can cause human health effects and are known or anticipated to occur in drinking water. EPA's HAs are non-enforceable and non-regulatory and provide technical information to drinking water system operators, as well as federal, state, tribal, and local officials on health effects, analytical methods, and treatment technologies associated with drinking water contamination.

Why is EPA Issuing These HAs?

In 2016, EPA published HAs for PFOA and PFOS based on the evidence available at that time (U.S. EPA 2016, a,b). The science has evolved since then and EPA is now replacing the 2016 advisories with interim updated lifetime HAs for PFOA and PFOS that are based on new studies and draft toxicity values from EPA's 2021 draft PFOA and PFOS health effects documents. Fulfilling EPA's commitment in its October 2021 PFAS Strategic Roadmap, EPA has issued final lifetime HAs for GenX chemicals and PFBS.

How Does EPA Calculate HAs?

The following equation is used to derive a lifetime noncancer health advisory. A lifetime noncancer health advisory is designed to be protective of noncancer effects over a lifetime of exposure, including sensitive populations and life stages, and is typically based on data from experimental animal toxicity and/or human studies.

$$\text{Lifetime HA} = \left(\frac{\text{RfD}}{\text{DWI-BW}} \right) * \text{RSC}$$

Where:

RfD = chronic reference dose—an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily oral exposure of the human population to a substance that is likely to be without an appreciable risk of deleterious effects during a lifetime.

DWI-BW = drinking water intake rate adjusted for body weight—the 90th percentile DWI for the selected population or life stage, adjusted for body weight (BW), in units of L/kg bw-day. The DWI-BW considers both direct and indirect consumption of tap water (indirect water consumption encompasses water added in the preparation of foods or beverages, such as tea or coffee).

RSC = relative source contribution—the percentage of the total oral exposure attributed to drinking water sources (U.S. EPA, 2000) where the remainder of the exposure is allocated to all other routes or sources.

What Types of Health Outcomes are Associated with Exposure to These Four PFAS, and How Did EPA Develop the HAs?

PFOA and PFOS

EPA is conducting extensive evaluations of human epidemiological and experimental animal study data to support the Safe Drinking Water Act (SDWA) National Primary Drinking Water Regulation for PFOA and PFOS. In November 2021, EPA released draft documents that summarize the updated health effects analyses for [EPA Science Advisory Board \(SAB\) review](#) (U.S. EPA, 2021a, b). EPA evaluated over 400 studies published since 2016 and used new human health risk assessment approaches, tools, and models. Human studies have found associations between PFOA and/or PFOS exposure and effects on the immune system, the cardiovascular system, development (e.g., decreased birth weight), and cancer. The new published peer-reviewed data and draft EPA analyses (U.S. EPA, 2021a, b) indicate that the levels at which negative health outcomes could occur are much lower than previously understood when the agency issued its 2016 HAs for PFOA and PFOS (70 parts per trillion or ppt). EPA's 2021 draft non-cancer reference doses (RfDs) based on human epidemiology studies for various effects (e.g., developmental/growth, cardiovascular health outcomes, immune health) range from $\sim 10^{-7}$ to 10^{-9} mg/kg/day. These draft RfDs are two to four orders of magnitude lower than EPA's 2016 RfDs of 2×10^{-5} mg/kg/day (U.S. EPA, 2021a, b).

The most sensitive non-cancer effect based on the draft EPA analyses, decreased immunity (i.e., decreased serum antibody concentrations after vaccination) in children in a human epidemiology study, was selected as the basis for the draft RfD (toxicity value) in the PFOA and PFOS health effects draft documents (U.S. EPA, 2021a, b). EPA used the draft RfD to derive the interim updated HAs for PFOA and PFOS. In the critical study, EPA selected the critical effect of decreased serum antibody concentration in children associated with increased serum PFOA and/or PFOS concentrations. EPA expects this critical effect to be protective of all other adverse health effects observed in humans because this adverse effect can reduce the protection afforded by vaccines after exposure to PFOA/PFOS during a sensitive developmental life stage and it yields the lowest point of departure (POD) (U.S. EPA, 2021a, b). For both PFOA and PFOS, an intraspecies uncertainty factor

(UF_H) of 10 was applied to account for variability in the response within the human population (U.S. EPA, 2002). EPA identified children ages 0-5 years as a sensitive life stage, based on the critical study, and selected the corresponding DWI-BW. Based on a literature search of the available information on exposure sources and routes, EPA calculated the interim HAs for PFOA and PFOS using an RSC of 0.20, meaning that 20% of the exposure – equal to the RfD – is allocated to drinking water, and the remaining 80% is attributed to all other potential exposure sources (U.S. EPA, 2022a, b; U.S. EPA, 2000).

While there is evidence that PFOA is likely to be carcinogenic to humans, EPA has not derived a cancer risk concentration in water for PFOA at this time. For PFOS, there is suggestive evidence of carcinogenic potential in humans. Additional analyses of the cancer study data are ongoing for both PFOA and PFOS.

The underlying science that EPA used to develop the interim health advisories is currently undergoing SAB review, and therefore, these interim health advisories are subject to change. After receiving the SAB's final report, EPA will complete its revisions to address their feedback and recommendations, which could lead the agency to draw different conclusions than are reflected in the draft health effects analyses (U.S. EPA, 2021a, b). As a result, the interim health advisory levels for PFOA and PFOS (U.S. EPA, 2022a, b) could change. EPA may update or remove the interim health advisories for PFOA and PFOS upon finalization of the National Primary Drinking Water Regulation.

GenX Chemicals and PFBS

EPA's final health advisories for GenX chemicals and PFBS are based on animal toxicity studies following oral exposure to these chemicals. Studies of exposure to GenX chemicals have reported health effects in the liver, kidney, immune system, development, as well as cancer. The most sensitive non-cancer effect among the available data was an adverse liver effect (constellation of liver lesions) (U.S. EPA, 2021c). This critical effect was the basis for the final chronic RfD which EPA used to derive the final HA for GenX chemicals. To develop the final chronic RfD for GenX chemicals, EPA applied a composite UF of 3,000 (i.e., 10X for intraspecies variability (UF_H), 3X for interspecies differences (UF_A), 10X for extrapolation from a subchronic to a chronic dosing duration (UF_S), and 10X for database deficiencies (UF_D)) (U.S. EPA, 2021c). EPA identified lactating women as an adult life stage with the greatest potential exposure from drinking water, based on the critical study, and selected the corresponding DWI-BW. EPA calculated the final HA for GenX chemicals using an RSC of 0.20, meaning that 20% of the exposure -- equal to the RfD -- is allocated to drinking water, and the remaining 80% is attributed to all other potential exposure sources (U.S. EPA, 2022c). There is suggestive evidence of carcinogenic potential of oral exposure to GenX chemicals in humans and the available data are insufficient to derive a cancer risk concentration in water for GenX chemicals.

For PFBS, animal studies have reported health effects on the thyroid, reproductive system, development, and kidney following oral exposure. The most sensitive non-cancer effect was an adverse effect on the thyroid (i.e., decreased serum total thyroxine) in newborn mice in a study with exposure throughout gestation in the mothers. This critical effect was the basis for the final chronic RfD which EPA used to derive the final HA for PFBS (U.S. EPA, 2021d; U.S. EPA, 2022d). EPA applied a composite UF of 300 (i.e., 10X for intraspecies variability (UF_H), 3X for interspecies differences (UF_A), and 10X for database deficiencies (UF_D)) (U.S. EPA, 2021d). EPA identified women of child-bearing age as a sensitive life stage, based on the critical study, and selected the corresponding DWI-BW. EPA calculated the final HA for PFBS using an RSC of 0.20, meaning that 20% of the exposure – equal to the RfD – is allocated to drinking water, and the remaining 80% is attributed to all other potential exposure sources (U.S. EPA, 2022d). There were no studies identified that evaluated potential cancer effects after PFBS exposure so the potential for cancer effects after PFBS exposure could not be evaluated.

What are the HAs for the four PFAS?

PFOA Interim Updated Health Advisory – Input Parameters and HA Value			
Parameter	Value	Units	Source
Chronic RfD	1.5E-9	mg/kg/day	U.S. EPA, 2021a. <i>Draft</i> RfD based on developmental immune health outcome (suppression of tetanus vaccine response in 7-year-old children). Human epidemiological studies.
DWI-BW	0.0701	L/kg-day	U.S. EPA, 2019. 90th percentile direct and indirect consumption of community water, consumers-only population, two-day average, for children ages 0 to <5 years based on 2005–2010 National Health and Nutrition Examination Survey (NHANES).
RSC	0.2	N/A	U.S. EPA, 2021a. RSC based on a review of the current scientific literature.

PFOA Interim Updated Lifetime Health Advisory = 4E-09 mg/L or 0.004 ppt (EPA 2022a)

PFOS Interim Updated Health Advisory – Input Parameters and HA Value			
Parameter	Value	Units	Source
Chronic RfD	7.9E-09	mg/kg/day	U.S. EPA, 2021b. <i>Draft</i> RfD based on developmental immune health outcome (suppression of diphtheria vaccine response in 7-year-old children). Human epidemiological studies.
DWI-BW	0.0701	L/kg-day	U.S. EPA, 2019. 90th percentile direct and indirect consumption of community water, consumers-only population, two-day average, for children ages 0 to <5 years based on 2005–2010 NHANES.
RSC	0.2	N/A	U.S. EPA, 2021b. RSC based on a review of the current scientific literature.

PFOS Interim Updated Lifetime Health Advisory = 2E-08 mg/L or 0.02 ppt (EPA 2022b)

GenX Chemicals Final Health Advisory – Input Parameters and HA Value			
Parameter	Value	Units	Source
Chronic RfD	3E-06	mg/kg/day	U.S. EPA, 2021c. Final RfD based on critical liver effects (constellation of liver lesions as defined by the National Toxicology Program Pathology Working Group) in parental female mice exposed to HFPO dimer acid ammonium salt by gavage for 53–64 days.
DWI-BW	0.0469	L/kg-day	U.S. EPA, 2019. 90 th percentile two-day average, consumer only estimate of combined direct and indirect community water ingestion for lactating women (13 to <50 years) based on 2005–2010 NHANES.
RSC	0.2	N/A	U.S. EPA, 2021c. Based on a review of the current scientific literature.

GenX Chemicals Final Lifetime Health Advisory = 0.00001 mg/L or 10 ppt (EPA 2022c)

PFBS Final Health Advisory – Input Parameters and HA Value			
Parameter	Value	Units	Source
Chronic RfD	3E-04	mg/kg/day	U.S. EPA, 2021d: Final RfD based on critical effect of decreased serum total thyroxine (T4) in newborn (postnatal day (PND) 1) mice after gestational exposure to the mother.
DWI-BW	0.0354	L/kg-day	U.S. EPA, 2019. 90 th percentile two-day average, consumer only estimate of combined direct and indirect community water ingestion for women of childbearing age (13 to <50 years) based on 2005–2010 NHANES.
RSC	0.2	N/A	U.S. EPA, 2021d. Based on a review of the current scientific literature.

PFBS Final Lifetime Health Advisory = 0.002 mg/L or 2,000 ppt (EPA 2022d)

Application of Health Advisories to Different Exposure Scenarios

Because the critical effects identified for PFOA, PFOS, and PFBS are developmental effects that can potentially result from short-term exposure to these PFAS during a critical period of development, EPA guidelines support applying the lifetime health advisories for these three PFAS to both short-term and chronic risk assessment scenarios (U.S. EPA, 1991).

The lifetime health advisory for GenX chemicals used a chronic RfD from the final EPA toxicity assessment (U.S. EPA, 2021c) based on the critical effect of adverse liver effects in adults (parental females) from a subchronic study (53–64 day exposure). In the assessment, a 10X UF_s for subchronic to chronic exposure was applied to derive the chronic RfD (U.S. EPA, 2021c). Because the critical effect identified for GenX chemicals is in adults, the HA applies to chronic exposure scenarios. The HA was based on exposure to lactating women, an adult life stage with the greatest drinking water intake rate. Application of the GenX chemicals HA to a shorter-term risk assessment scenario would provide a conservative, health protective approach in the absence of other information.

Consideration of Noncancer Health Risks from PFAS Mixtures

EPA recently released a *Draft Framework for Estimating Noncancer Health Risks Associated with Mixtures of Per- and Polyfluoroalkyl Substances (PFAS)* that is currently undergoing SAB review (U.S. EPA, 2021e). That draft document provides a flexible, data-driven framework that facilitates practical evaluation of two or more PFAS based on current, available EPA chemical mixtures approaches and methods. Examples are presented for three approaches—Hazard Index (HI), Relative Potency Factor (RPF), and Mixture BMD—to demonstrate application to PFAS mixtures. To use these approaches, specific input values and information for each PFAS are needed or can be developed.

The health advisory documents provide an example of how to use the HI approach to assess the potential noncancer risk of a mixture of PFOA, PFOS, GenX chemicals, and PFBS (U.S. EPA, 2022 a-d). A mixture PFAS HI can be calculated when health-based water concentrations (e.g., HAs, MCLGs) for a set of PFAS are available or can be calculated. In the example, hazard quotients (HQs) are calculated by dividing the measured component PFAS concentration in water (e.g., expressed as ng/L) by the relevant HA (e.g., expressed as ng/L), as shown in the equation below. Component HQs are then summed across the PFAS mixture to yield the mixture PFAS HI. A mixture PFAS HI greater than 1 indicates an exceedance of the health protective level and indicates potential human health risk for noncancer effects from the PFAS mixture in water. When component health-based water concentrations (in this case, HAs) are below the analytical method detection limit, as is the case for PFOA and PFOS, such individual component HQs exceed 1, meaning that any detectable level of PFOA or PFOS will result in an HI greater than 1 for the whole mixture. Further analysis could provide a refined assessment of the potential for health effects associated with the individual PFAS and their contributions to the potential joint toxicity associated with the mixture. For more details, please see U.S. EPA (2021e).

$$HI = \left(\frac{[PFOA_{water}]}{[PFOA_{HA}]} \right) + \left(\frac{[PFOS_{water}]}{[PFOS_{HA}]} \right) + \left(\frac{[GenX_{water}]}{[GenX_{HA}]} \right) + \left(\frac{[PFBS_{water}]}{[PFBS_{HA}]} \right)$$

Where:

HI = hazard index;

[PFAS_{water}] = concentration for a given PFAS in water;

[PFAS_{HA}] = the HA value for a given PFAS

Where can I find more information?

To view the HA documents, go to: <https://www.epa.gov/sdwa/drinking-water-health-advisories-has>

To view the PFAS Strategic Roadmap: EPA's Commitments to Action 2021-2024, go to: <https://www.epa.gov/pfas/pfas-strategic-roadmap-epas-commitments-action-2021-2024>

For information on drinking water, go to: www.epa.gov/safewater

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July 27, 2018

Yogesh Patel
WV Department of Environmental Protection
Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304

Attention: Waste Permitting Section

RE: Chemours Dry Run Landfill Assessment of Corrective Measures
Solid Waste / NPDES Permit WV0076244

Dear Mr. Patel,

The attached Assessment of Corrective Measures (ACM) for the Chemours' Dry Run Landfill was completed in accordance with the Groundwater Monitoring and Corrective Action Program found in the Solid Waste Management Rule (SWMR) §33-1-4.11. It is being submitted as an electronic report through the West Virginia Department of Environmental Protection's (WVDEP) Electronic Submission System (ESS).

If you have any questions, please don't hesitate to contact me at (302) 773-0067.

Sincerely,

A handwritten signature in black ink that reads "J. Bart Ruiters". The signature is written in a cursive, slightly slanted style.

J. Bart Ruiters
Project Director
The Chemours Company
T: 302-773-0067
E: J-BART.RUITER@chemours.com

Assessment of Corrective Measures at Dry Run Landfill

Lubeck, West Virginia

Submitted on behalf of:
The Chemours Company

Submitted by:
AECOM
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Project Number: 60561219
Date: July 2018

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Acronym List

Acronym	Explanation
µg/L	Micrograms per Liter
ACM	Assessment of Corrective Measures
APFO	Ammonium Perfluorooctanoate
AST	Aboveground Storage Tank
DMR	Discharge Monitoring Report
DuPont	E.I. du Pont de Nemours and Company
ESS	Electronic Submission System
GAC	Granular Activated Carbon
GWPS	Groundwater Protection Standards
HDPE	High Density Polypropylene
O&M	Operation and Maintenance
PFOA	Perfluorooctanoic Acid
POC	Point-of-Compliance
PSD	Public Service District
SWMR	Solid Waste Management Rule (33CSR)
SW/NPDES	Solid Waste/National Pollutant Discharge Elimination System
UPL	Upper prediction limit
WVDEP	West Virginia Department of Environmental Protection

1.0 Introduction

This document presents an Assessment of Corrective Measures (ACM) for the Dry Run Landfill located in Wood County, West Virginia. The landfill, which is owned by Chemours [previously E.I. du Pont de Nemours and Company (DuPont)] and operated from 1986 through 2006, when waste acceptance was discontinued. It was closed and capped during 2007, under West Virginia Solid Waste/National Pollutant Discharge Elimination System (WV SW/NPDES) Permit No. WV0076244. The landfill has continued to be monitored per the same Permit No. WV0076244 (hereafter referred to as the Permit), which is revisited and reissued approximately every five years by the West Virginia Department of Environmental Protection (WVDEP). The current Permit (effective date: February 1, 2016) requires semi-annual groundwater monitoring, outfall and surface-water monitoring, maintenance of the engineered cap, leachate collection and hauling, and operation of a treatment system.

Per the conditions outlined in the renewal of the Permit, background groundwater quality was determined at the Dry Run Landfill, and samples from point-of-compliance (POC) monitoring wells were statistically tested to see whether significant increases over background had occurred.

Per the Permit (Section 4.11.e), when statistically significant increases are observed in groundwater, an ACM report is required by the WVDEP in accordance with the Title 33 West Virginia Solid Waste Management Rule (SWMR) and the West Virginia Groundwater Protection Rule (47CSR58). AECOM, on behalf of Chemours, has completed this ACM in accordance with Sections 4.11.e, 4.11.f, and 4.11.g of Series 1 of the SWMR.

1.1 ACM Objectives

The objectives of this ACM are as follows:

- Provide a history of the landfill and describe the current corrective measures in place,
- Describe the environmental setting (geologic, hydrologic, and hydrogeologic conditions) in the vicinity of the landfill.
- Summarize the landfill monitoring analytical results and discuss statistically significant increases in relation to groundwater protection standards;
- Present the conceptual exposure model for the Dry Run Landfill and surrounding area (on-site and off-site).
- Evaluate if additional corrective measures are warranted based on the current exceedances of groundwater protection standards, the existing corrective measures in place, and potential for exposure.

1.2 Report Organization

The remainder of this report is organized into the following sections:

- Section 2.0 provides the site background and history and describes corrective measures completed at the landfill.
- Section 3.0 presents the site environmental setting.

- Section 4.0 summarizes the findings of the landfill monitoring program and identifies the constituents that are the focus of this ACM.
- Section 5.0 identifies and evaluates potentially complete exposure pathways to landfill constituents in groundwater, surface water, and landfill leachate.
- Section 6.0 presents the overall conclusions of the ACM and path forward recommendations.
- Section 7.0 contains the references cited in this report.

2.0 Site Background

This section briefly describes the site background, history, and the corrective measures completed at the landfill. A more detailed description of the site background is provided in the documents referenced herein.

2.1 Site Location

The Dry Run Landfill is a closed solid waste landfill owned by the Chemours Company. It is located west of the town of Lubeck, West Virginia, and approximately 10 miles south of the Chemours Washington Works Facility (see Figure 2.1).

The Dry Run Landfill is a 21.2-acre landfill located on a 535-acre parcel of land. Access to the landfill property is limited by a locked gate and partial coverage of the site with security fencing. The area surrounding this parcel is rural and sparsely populated with private residences. The nearest residents are located approximately 500 feet to the north of the landfill perimeter. Additional residences/farms are located along State Route 68, which runs to the southeast of the landfill (see Figure 2.2).

The surrounding landscape is very hilly and characterized by deep ravines with streams that have highly variable flow depending on recent precipitation. Industrial and commercial development is limited. Recreational activity around the Dry Run Landfill includes hunting, hiking, all-terrain vehicle riding and angling (in the larger stream of the North Fork of Lee Creek and Lee Creek) (Environ, 2012).

2.2 Site Description and History

The Dry Run Landfill was constructed within the drainage basin of Dry Run (see Figure 2.2), a tributary of the North Fork of Lee Creek, which is a tributary of the Ohio River. Placement of waste material in the landfill from the Washington Works Facility began in 1986. The site discontinued accepting waste material in March 2006 when the landfill was closed under the Permit. The landfill cap was completed in 2007.

Material disposed of within this landfill was associated with the nearby Washington Works Facility and consisted predominantly of the following:

- Fly ash and bottom ash from Washington Works power plant
- Filter cakes from wastewater treatment plant
- Inert acrylic polymer sludge
- Inert mixed plastics
- Calcium chloride sludge
- Cafeteria waste
- Asbestos
- Miscellaneous trash

2.3 Landfill Corrective Measures

The upper disposal portion of the Dry Run Landfill was closed and was covered with a soil and vegetative cover. The installation of liner material over older waste and a leachate collection system encompassing the inactive lower half of the landfill was

completed in 1999 (DuPont, 2002; Potesta & Associates 1999a and 1999b). In 2007, the disposal portion of the landfill was closed. Construction of an engineered cap system with a geo-synthetic liner was completed over the entire 18-acre landfill, tying in with the previously lined parts of the landfill. Details regarding the installed engineered cap can be found in the *Dry Run Landfill Closure Plan* (DuPont CRG/URS, 2007). Included in the closure activities was the installation of a leachate collection system and a stormwater collection pond with treatment system (see Figure 2.3 for the site layout and location of landfill related structures).

2.3.1 Leachate Collection System

The Dry Run Landfill leachate collection system is constructed of 8-inch perforated high density polypropylene (HDPE) pipe main and 4 inch HDPE pipe laterals placed on top of a 50 mil HDPE liner and covered with 12 inches of sand. Collected leachate flows into a concrete leachate collection sump and associated overflow tank (see Figure 2.4 for the location of the leachate collection tank). From the sump, the leachate flows to an aboveground storage tank (AST) equipped with secondary containment. Tank trailers are used to transport the stored leachate to the Washington Works treatment plant for final disposal.

2.3.2 Collection Pond and Treatment System

Stormwater that runs off the Dry Run Landfill cap is collected in an equalization pond and then pumped along with groundwater collected from the pond underdrain to the Dry Run Landfill wastewater treatment building. It is then treated and discharged through NPDES Outlet 006. The main components of the treatment system include an equalization collection pond and intake structure, a surface-water pump station, an under-drain pump station, two cartridge filters, two granular activated carbon (GAC) beds, an automated control system, and an effluent holding tank. Details regarding this collection pond and treatment system can be found in the document *Spill Prevention Response Plan* (URS, 2014).

2.3.3 O&M and NPDES Permit Activities

Landfill operation and maintenance (O&M) activities are reported annually and include the following:

- Semi-annual inspection of the landfill vegetative cover
- Monthly site inspection of the landfill cap
- Routine mowing of the landfill cap and monitoring well areas
- Routine O&M of the treatment system, including carbon replacement and backwash of the GAC treatment system
- Monthly monitoring well area inspection
- Annual leachate line cleaning
- Collection and transport of leachate for disposal
- Inspection and certification of the AST (leachate holding tank) per the West Virginia Code Aboveground Storage Tank Act §22-30-2, and associated rules.

In addition to the above identified O&M activities, requirements of the Permit associated with the above systems include sampling 14 groundwater monitoring wells, four outlets,

two surface-water (ditch) locations, stormwater (pre-treatment), and leachate. The stormwater from the landfill cap collected in the equalization pond is sent through a GAC treatment system before being released through Outlet 006. The pre-treated water and the treated water are sampled concurrently for perfluorooctanoic acid (PFOA)¹ on a monthly basis to check the efficiency of the GAC system. The leachate is collected and shipped to the Washington Works treatment plant.

The O&M and monitoring activities are reported annually. The 2017 annual report for the Dry Run Landfill was submitted to the WVDEP via the Electronic Submission System (ESS) on January 31, 2018.

The Dry Run Landfill Monitoring Program is further described in Section 4.0.

¹ Prior to 2018, ammonium perfluorooctanoate (APFO) was analyzed and reported via the ESS per the Permit. However, in 2018, the ESS began displaying perfluorooctanoic acid (PFOA) as the constituent to be reported. Chemours has complied, even though WVDEP has yet to make this modification to the Permit.

3.0 Site Environmental Setting

This section describes the current environmental setting (geology, hydrology, hydrogeology, groundwater flow, and water quality) at and surrounding the Dry Run Landfill. This information was used to identify potential receptors and exposure pathways for the conceptual exposure model presented in Section 5.0.

3.1 Geology

The Dry Run Landfill is situated on a heavily dissected plateau consisting of several steep V-shaped valleys. In general, the soil at the site has been described as residual in nature, consisting primarily of heavy clays derived from the weathering of shale. Very little outcroppings of rock have been observed. A cross-section location map and associated cross sections can be found in the Figures 3.1 through 3.5, and landfill monitoring well construction and groundwater elevation data are located in Table 3.1.

In 1989, a monitoring well installation program, performed by Tetra Tech Richardson Inc., identified a silty clay and weathered shale overburden in the area of the Dry Run Landfill (Tetra Tech Richardson, 1989).

Similar to the 1989 findings, a geotechnical investigation performed in 1996 (DuPont, 1996) determined that the natural residual soil underlying the landfilled materials consisted of stiff to very hard silty clay and clayey silt with occasional rock fragments and a trace of sand. The thickness of this natural soil ranged from 12 to 28 feet in the test borings within the landfilled area.

Currently, there are five monitoring wells that monitor the water-bearing overburden (MW-6A, MW-12A, MW-12B, MW-13A, and MW-21A) at the Dry Run Landfill. Completion depths for these wells range from approximately 12 to 20 feet below ground surface; overburden depth thickness ranges from 0 (absent) to approximately 28 feet thick.

The underlying bedrock at the Dry Run Landfill consists of inter-bedded red and varicolored sandy or calcareous shales, and gray, green, and brown sandstones and/or siltstones of the Permian age Dunkard Group. Based on the geological data associated with the 14 landfill-related monitoring wells, three separate water-bearing siltstones and/or sandstone units have been identified within the bedrock at Dry Run. These zones are shown on the cross-sections when possible. These are labeled the A-Zone, the B-Zone, and the C-Zone, with the A-Zone being the uppermost water-bearing unit (encountered at an elevation of approximately 750 feet) and the C-Zone being the lowest water-bearing unit below ground surface (encountered at an elevation of approximately 550 feet). The A-Zone is laterally continuous under most of the landfill area, while the B-Zone (present at an elevation of approximately 700 feet) is known to be laterally continuous under the toe of the landfill in the northwest. None of the wells were installed deep enough to encounter the C-Zone. The B-Zone was not observed in MW-14, the well located furthest to the southeast. However, no additional sandstone or siltstone units were encountered under the A-Zone at the projected elevation of the B-Zone. The C-Zone was only encountered at the furthest northwest location, MW-21B.

3.2 Hydrogeology

Groundwater in the area of the Dry Run Landfill occurs in the overburden and the underlying bedrock aquifers. The bedrock aquifers are considered the underlying significant aquifer for Permit-required groundwater monitoring (DuPont CRG, 2002).

Twenty-two monitoring wells were installed at the Dry Run Landfill to monitor overburden and bedrock aquifers. Currently, five overburden wells and 10 bedrock wells still exist². The other seven wells were abandoned in 1999 by Potesta & Associates, Inc. as required by the Permit because these wells were not being used for quarterly monitoring (Potesta & Associates, 1999c).

As part of the *C-8 Data Summary Report* (DuPont CRG, 2003), groundwater elevation contour maps were constructed for the A-Zone and the B-Zone using fourth quarter 2002 data. The groundwater elevation map for the A-Zone (see Figure 3.6) showed that overall the direction of groundwater flow is toward the west³. Groundwater elevation in the B-Zone also showed westward flow (see Figure 3.7). The groundwater contour lines in the B-Zone map were dashed because there were limited data for the zone. Groundwater flow directions in the underlying C-Zone could not be determined because there was only one well in the zone (DuPont CRG, 2003). A downward vertical gradient was indicated in the prior investigation from the A-Zone to the B-Zone and to the C-Zone based on groundwater elevations observed in the three zones.

An annual requirement to determine the groundwater flow rate and direction for the B-Zone as described in the Permit Section C.2.d was met for the second half of 2017 and the groundwater contour map was included in the *2017 Dry Run Landfill Annual Report* (see Figure 3.8 and AECOM, 2018). As described in the report, the average linear velocity in 2017 stayed the same as in 2016 and was calculated to be 4.38 feet per year, moving from east to west.

3.3 Hydrology

The Dry Run Landfill is situated on a heavily dissected plateau consisting of several steep V-shaped valleys (see Figure 2.1). An intermittent stream, Dry Run, drains the valley in which the landfill is located. Many small tributaries discharge from the nearby valleys into the Dry Run Creek before it merges with the North Fork of Lee Creek, which ultimately discharges into the Ohio River. Dry Run Creek is relatively shallow, with maximum depths generally less than 3 feet and an average depth of about 1 foot during most times of the year. Portions of North Fork of Lee Creek and Lee Creek are used for sports fishing (Environ, 2012).

² MW-21B is screened in the C-Zone and is not monitored as part of the Permit.

³ MW-14 was not used in the construction of this map because it is an open hole well and water levels measured in this well may be influenced by shallow water bearing zones that are higher in elevation than the A-Zone.

4.0 Summary of Analytical Results

This section describes the landfill monitoring program since the Permit renewal, summarizes the findings of the Permit-required groundwater monitoring statistical analysis, and identifies the parameters that are the focus of this ACM.

4.1 Landfill Monitoring Program

As previously detailed in Section 2.3, the upper portion of the Dry Run Landfill is closed and is covered with a soil and vegetative cover. The lower portion of the landfill is also closed and covered by an engineered landfill cap with a geo-synthetic liner. The leachate collected is pumped to a tanker truck, which is then hauled to the Washington Works Facility for treatment in the wastewater treatment plant.

In December 2015, the Permit for the landfill was reissued with modifications to the monitoring requirements. The frequency of groundwater sampling events changed from quarterly to semi-annual. Three additional parameters (dissolved arsenic, dissolved selenium, and dissolved thallium) were added to the Phase I parameters to be sampled in groundwater. Additional sampling and reporting were also included based upon results of statistical analyses of each sampling event.

Sample locations required for monitoring include 14 monitoring wells, four outlets, two leachate locations, and two surface-water (ditch) locations. Figure 2.4 details the monitoring locations.

Per the Permit, 14 groundwater monitoring wells are sampled semi-annually: MW-6A, MW-12, MW-12A, MW-12B, MW-13, MW-13B, MW-14, MW-15, MW-16B, MW-17B, MW-18B, MW-19B, MW-20B, and MW-21A. Groundwater samples from these locations are submitted for the analysis of Phase I parameters, which include inorganics, perfluorooctanoic acid (PFOA), and groundwater quality parameters, such as pH and total dissolved solids. Table 4.1 presents a list of the Phase I parameters, as well as the West Virginia Groundwater Protection Standard (GWPS)⁴ listed for each parameter.

Leachate is sampled from one location (LM-1), which is influent to the leachate holding tank. Water from the collection pond is sampled from location LM-2, which is influent to the GAC unit. Surface water is sampled from six locations (see Figure 2.4). Two of these six locations are man-made monitoring locations associated with the lower landfill cap (Outlets 003 and 004). One location is the effluent from the wastewater treatment system (Outlet 006). One location is an overflow location on the collection basin (Outlet 007), which is only sampled if the overflow must be used due to the treatment system being unable to keep up with precipitation. Two locations monitor surface water in intermittent drainage ditches located near the toe of the landfill (SS-1 and SS-2). They are located above and below the discharge of Outlet 006. Ultimately, these surface-water (ditch) monitoring points discharge into Dry Run Creek. Table 4.2 summarizes the parameters sampled at each location and their frequency.

Appendix A summarizes the analytical data for each sampling location in the current Permit. Results included in this appendix represent the last five years of sampling.

⁴ As found in Title 47, Series 12, Requirements Governing Groundwater Standards (47CSR12).

4.2 Statistical Analysis

A statistical analysis of the groundwater data is completed and reported concurrently with the sample results in the WVDEP's ESS by the dates August 20th and February 20th of each year. The purpose of the statistical analysis is to determine whether a significant increase over historical levels has occurred in groundwater quality parameters monitored at the monitoring wells.

Historically, an interwell prediction interval method for each groundwater parameter at each POC well has been used for statistical analysis. Guidance for the selection of statistical procedures was taken from Section C.2.f and C.2.g of the Permit and Section 4.11a.7 of the SWMR.

A prediction interval was estimated from a range of values of the past 16 upgradient background sample event results (5 years), which was expected to include future observations from the background population with a specified level of confidence. If a downgradient test sample was outside of the calculated prediction interval, then there was statistical evidence that this downgradient result was different from the upgradient background data at the specified confidence level. If the sample was inside the prediction interval, then there was no evidence for statistical differences from background levels. A one-sided prediction interval [i.e., upper prediction limit (UPL)] was used for the comparison.

Analytical results from two locations (MW-14 and MW-18B) were used to evaluate background to determine an UPL for each monitoring well constituent listed in the Permit. Per Section 3.2.f. of the Permit, the UPL calculated for each constituent based on results from MW-14 was compared to results from MW-12, MW-13, and MW-15 to evaluate the possible statistically significant increases over background. Similarly, results from MW-18B were used to determine a UPL for each constituent to evaluate the results from MW-16B, MW-17B, MW-19B, and MW-20B. A UPL was not established for the three new Phase I parameters (dissolved arsenic, dissolved selenium, and dissolved thallium) due to an insufficient data set.

Based on the interwell analysis, the following parameters indicated that there was a statistically significant increase above the background well result during the monitoring period in one or more locations:

- Antimony, dissolved
- Ammonia Nitrogen
- PFOA
- Boron, dissolved
- Fluoride
- Nitrate Nitrogen
- Sulfate

However, the historical groundwater data collected from the Dry Run Landfill thus far demonstrate substantial spatial differences not related to the site activities. Therefore, alternative methods of statistical analysis consistent with Section C.2.h of the Permit were evaluated. The study of statistical methods has shown that intrawell testing is an appropriate alternative, because all data used in the test is obtained from a single well. It is stated in the 2009 United States Environmental Protection Agency (EPA) Unified

Guidance⁵ that an intrawell statistical approach may be more appropriate for a groundwater detection monitoring program, as follows:

“Intrawell testing is an appropriate and recommended alternative strategy for many constituents. Well-specific backgrounds afford intrawell tests certain advantages over the interwell approach. One key advantage is confounding results due to spatial variability are eliminated, since all data used in an intrawell test are obtained from a single location. If natural background levels change substantially from one well to the next, intrawell background provides the most accurate baseline for use in statistical comparisons. “

In a letter from Chemours to the WVDEP dated April 21, 2016 (see Appendix B), Chemours proposed to begin using an intrawell analysis by the non-parametric Mann-Kendall statistical method at 1% significance level (99% confidence level). The alternate method was found to be analogous with the use of the 99% UPL and met the performance standards of subparagraph 4.11.a.7.E.2 and 4.11.a.9 of the SWMR. Trend testing can be an intrawell alternative to prediction limits or control charts, as such test allows us to identify those groundwater populations whose mean concentrations are increasing (deteriorating) or decreasing (improving) (EPA, 2009). Justification for the alternative methodology was included as Attachment A to the letter (see Appendix B) and was found to be a better approach to the statistical analysis at Dry Run Landfill due to the spatial variances found in the groundwater systems. Both the letter and attachment were placed in the operating record and noted as Chemours' intent to use an alternative statistical methodology.

The intrawell non-parametric Mann-Kendall statistical method was used for the analysis of the first half 2016 monitoring well results and reported in a letter dated August 24, 2016 (see Appendix C) and was attached to the Discharge Monitoring Report (DMR) in the ESS. The result of the intrawell analysis identified upward trends for the following:

- Sulfate (MW-15)
- Boron, dissolved (MW-17B and MW-19B)
- Manganese, dissolved (MW-17B)

The resample of the three monitoring wells with upward statistically significant results and the subsequent statistical analysis were submitted to WVDEP on September 14, 2016 (see Appendix D). The resampling of MW-15 did not confirm a statistically significant trend increase for sulfate. However, the resample results from MW-17B (dissolved boron and dissolved manganese) and MW-19B (dissolved boron) did confirm upward trends. Per the Permit, SWMR, and discussion with a representative of the WVDEP, monitoring wells with confirmed upward trends (MW-15, MW-17B, and MW-19B) were sampled for the Phase I parameters and the full list of Phase II parameters. The results of the Phase II assessment sampling event were submitted to WVDEP on December 12, 2016.

The statistical analysis of Phase I and Phase II parameters showed a statistically significant trend upward for dissolved manganese in MW-17B. However, the other previously trending constituents were no longer trending upward. In accordance with Section C. 2.i(6) of the Permit, this required Chemours to continue to monitor per Phase II requirements (i.e., expanded analyte list).

⁵ U.S. Environmental Protection Agency (EPA). 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance. EPA 530-R-09-007.

Chemours did not receive a reply from the WVDEP concerning the statistical method change notification; therefore, the interwell statistical analysis of the second half 2016 groundwater monitoring data was used to determine which monitoring wells to sample for Phase II parameters during the first half 2017 groundwater monitoring event (1H17). During the 1H17 monitoring event, seven monitoring wells (MW-12, MW-13, MW-15, MW-16B, MW-17B, MW-19B, and MW-20B) and two background monitoring wells (MW-14 and MW-18B) were sampled for both Phase I and Phase II parameters. Phase I parameters were sampled at the other five locations. During the 2H17 monitoring event, five monitoring wells (MW-15, MW-16B, MW-17B, MW-19B, and MW-20B) and two background monitoring wells (MW-14 and MW-18B) were sampled for both Phase I and Phase II parameters. Phase I parameters were sampled at the other seven locations.

Following the 2017 monitoring events, the groundwater monitoring results were statistically analyzed by both the interwell UPL and the intrawell Mann-Kendall statistical test methods. Based on the interwell analysis, the following parameters indicated that there was a statistically significant increase above the background well result during the monitoring period in one or more locations (see Tables 4.3 through 4.6):

- Aluminum, dissolved (MW-16B and MW-20B)
- Antimony, dissolved (MW-12)
- Ammonia Nitrogen (MW-17B and MW-19B)
- PFOA. (MW-12, MW-13, MW-15, MW-17B, and MW-20B)
- Boron, dissolved (MW-16B, MW-17B)
- Fluoride (MW-15, MW-16B, MW-19B, and MW-20B)
- Nitrate Nitrogen (MW-13, MW-15, MW-16B, and MW-17B)
- Nitrite Nitrogen (MW-17B)
- Sulfate (MW-12, MW-13, MW-15, MW-16B, and MW-20B)
- Total organic carbon (MW-12, MW-13, MW-15, MW-16B, and MW-20B)

To achieve a statistical trend testing between historical data and the most recent sample results for the intrawell analysis, groundwater monitoring data were compiled from quarterly or semi-annual samples taken in the last 5 years (16 sample events) for each monitoring well. Groundwater quality values for the current assessment period were based on sample data collected from the first quarter of 2013 through the fourth quarter of 2017. Mann-Kendall trend test results are provided in Appendix E.

As detailed in Appendix E, the result of the intrawell analysis identified upward trends for only three parameters:

- Sulfate (MW-15)
- Ammonia Nitrogen (MW-16B)
- Chloride (MW-18B, which is a background well)

These results further demonstrate that the UPL method only points out the inherent spatial differences between different sampling locations, while the Mann-Kendall test is more conclusive of the actual site trends. In comparing the results from both the interwell and intrawell methods, only two constituents (sulfate and ammonia) appear in both evaluations.

4.3 GWPS Analysis

Section C.2.j(1) of the Permit states that any statistically significant increase above the GWPS requires an ACM. Therefore, a review of the statistically significant increases identified in Section 4.1 (using either the interwell and intrawell analyses) was completed for the following parameters with GWPS values listed in 47CSR12: antimony, fluoride, nitrate nitrogen, and nitrite nitrogen. For those without GWPS values, consistent with SWMR Section 4.11.c.9, alternative health-based levels were identified for the following parameters: aluminum, boron, chloride, sulfate, and PFOA. The comparison is detailed in Table 4.7. The source of the alternative GWPS is indicated for each parameter on the table [i.e., EPA Maximum Contaminant Level (MCL), EPA health advisory level or EPA Regional Screening Level (RSL)]. Total organic carbon and ammonia do not have available health-based levels; therefore, an alternative GWPS was not identified.

As shown in the table, one constituent (PFOA) was detected above the GWPS or alternative GWPS. No other constituents with statistically significant increases were detected above the GWPS or alternative GWPS. PFOA was detected above the alternative GWPS value of 0.070 micrograms per liter ($\mu\text{g/L}$) in four downgradient overburden monitoring wells (MW-6A, MW-12A, MW-13A and MW-21A) and three bedrock monitoring wells (MW-12B, MW-13 and MW-15). PFOA concentrations above the alternative GWPS value range between 0.075 $\mu\text{g/L}$ and 18 $\mu\text{g/L}$.

In addition, to the above listed parameters with statistically significant increases, dissolved arsenic, dissolved selenium, and dissolved thallium results were also compared to the GWPS. As previously noted in Section 4.2, statistical analysis has not been conducted for these parameters due to an insufficient data set. Of these three parameters, only dissolved arsenic was above the GWPS. Arsenic was detected above the GWPS value of 10 $\mu\text{g/L}$ in five downgradient bedrock monitoring wells (MW-13, MW-16B, MW-17B, MW-19B, and MW-20B) and one upgradient bedrock monitoring well MW-14. Arsenic concentrations above the GWPS value in the downgradient monitoring wells range between 10.1 $\mu\text{g/L}$ and 28.7 $\mu\text{g/L}$. Arsenic concentrations above the GWPS value in the upgradient monitoring well range between 10.2 $\mu\text{g/L}$ and 12.2 $\mu\text{g/L}$.

4.4 Phase II Assessment Monitoring Parameters

During the Phase II Assessment Monitoring conducted in November 2016, June 2017 and December 2017, the following Phase II Assessment Monitoring parameters were detected in the monitoring wells (see Table 4.8).

Analyte	November 2016	June 2017	December 2017
1,1,1-Trichloroethane		X	X
Acetone		X ⁶	
Benzene			X ⁷
Ethyl chloride			X
Bis(2-ethylhexyl)phthalate			X
Vanadium, dissolved		X	X
Cresols			X

As shown, only 1,1,1-trichloroethane and dissolved vanadium were detected in more than one sampling event. Background values have not been established for the Phase II detections due to an insufficient data set (i.e., less than four samples per location).

⁶ Also detected in the associated laboratory or field blank.

⁷ Detected in upgradient monitoring well location only

Therefore, statistical analysis for the Phase II detections, as specified in Section C.2.i(5) of the Permit, has not been conducted to identify statistically significant increases above background.

However, a comparison of individual detections to GWPS values was conducted to satisfy the requirements of Section C.2.j(1) of the Permit and the requirements specified in Section 4.11.c.8 of the SWMR. Available GWPS values listed in 47CSR12 are provided for the Phase II parameters in Table 4.8. For those without GWPS values, consistent with SWMR Section 4.11.c.9, alternative health-based levels were identified. The source of the alternative GWPS (i.e., EPA tap water RSL) is indicated for each Phase II parameter on the table. As detailed in Table 4.8, none of the detected Phase II parameters exceeded the GWPS or alternative GWPS values.

5.0 Conceptual Exposure Model

The purpose of the exposure assessment presented in this section is to identify potentially complete exposure pathways by which human or ecological receptors may be exposed to PFOA or dissolved arsenic in groundwater under both current and reasonably anticipated future land- and water use conditions at the Dry Run Landfill.

An exposure pathway consists of the following:

- Source of constituents
- Mechanism of constituent release to the environment
- Transport or exposure medium containing the constituents
- Exposure point where human or ecological receptors can contact the exposure medium
- Exposure route (e.g., inhalation, ingestion, or dermal contact)

All of these elements must be present for an exposure to occur.

Figure 5.1 depicts exposure pathways by which human or ecological receptors may be exposed to PFOA or dissolved arsenic in Dry Run Landfill bedrock groundwater and other associated media (such as leachate and surface water) under both current and future land- and water-use conditions. The purpose of the figure is to identify exposure pathways that can result in human and ecological exposure; to aid in identifying data needs to address significant chemical release and migration pathways; and to aid in identifying effective corrective measures that are targeted at significant contaminant sources and exposure pathways.

As depicted in Figure 5.1, landfill materials are considered the potential source of PFOA in downgradient overburden and bedrock groundwater and arsenic in downgradient bedrock groundwater. The Dry Run Landfill engineered cap system has eliminated infiltration of stormwater through the landfill material. In addition, the separation berm, also prevents stormwater runoff from the capped landfill area to flow towards the drainage ditch leading to Outlet 004 during major storm events. Finally, leachate from the landfill is collected in a leachate collection system and is transported off-site for treatment. As a result, potential migration pathways or release mechanisms are limited to leaching and percolation to underlying groundwater and the migration of groundwater to downgradient locations (such as the surface water of the Dry Run Creek).

Dry Run Creek is the only current "receptor" for groundwater downgradient of the landfill; therefore, the surface-water body is the only exposure point of potential significance associated with off-site groundwater migration. Groundwater is not used currently on-site for drinking water purposes, and deed restrictions prohibit its use as drinking water in the future. Likewise, residential and non-residential users downgradient of the landfill were not considered potential receptors since most residents (roughly 95%) within one-mile radius of the landfill obtain their water from the Lubeck Public Service District (PSD), and those with private wells have GAC treatment systems installed. Furthermore, Dry Run Creek, which is assumed to receive groundwater discharge, and North Fork of Lee Creek, which receives intermittent flow from Dry Run Creek and then flows into Lee Creek, are not used for water-supply purposes at or near the landfill.

Surface water is present in the drainage ditches adjacent to Dry Run and the portion of Dry Run Creek, which receives the ditch flow in this area, only during and after storm

events that is large enough to sustain flow. Therefore, the potential for on-site surface water exposure is limited. Off-site as Dry Run Creek flows into North Fork of Lee Creek and into Lee Creek, the potential for surface-water exposure by potential human receptors may occur during recreational activities conducted within the creeks or along the creek banks.

5.1 PFOA Evaluation

Two locations monitor surface water in intermittent drainage ditches located near the toe of the Dry Run Creek Landfill (SS-1 and SS-2). They are located above and below the discharge of Outlet 006. Ultimately, these surface-water (ditch) monitoring points discharge into Dry Run Creek. PFOA is routinely analyzed in these two locations. As provided on WVDEP's website⁸, an aquatic life advisory level of 1,360 µg/L has been established for PFOA by the C-8 Assessment of Toxicity Team (CATT) (Menzi-Cura & Associates, 2002). However, there are no federal or state (West Virginia) surface-water quality criteria protective of human health for PFOA and EPA's health advisory level is only appropriate for exposure scenarios involving drinking water (EPA, 2016). Therefore, to further evaluate potential PFOA surface water human exposure pathways, PFOA concentrations from these locations were compared to site-specific surface water screening criteria protective of potential recreational uses.

Table 5.1 details the derivation of site-specific surface water screening levels protective of incidental ingestion of PFOA in surface water while swimming or wading. Consistent with EPA recommendations (EPA, 2016), the dermal and fish ingestion pathways were not included in the screening level as reliable dermal exposure factors and bioconcentration factors (BCF)⁹ are not available. The screening level was calculated using EPA's Regional Screening Level calculator available on-line (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search). As shown in the table, exposure assumptions were based on a combination of EPA-recommended values and professional judgment considering site-specific information used during prior evaluations (e.g., an exposure time of 3 hours per day with an exposure frequency of 12 days per year) (Environ, 2012).

Table 5.2 provides a comparison of PFOA concentrations in the most recent monitoring events (last two years) to the screening criteria. As shown in Table 5.2, none of the PFOA concentrations, which ranged between 0.021 µg/L and 1 µg/L, were above the screening criteria. Therefore, exposure to recreational users and ecological receptors of PFOA in creek surface water is not considered significant at this time.

5.2 Arsenic Evaluation

With the exception of outfall data collected from NPDES Outlet 006 (see Table 19 in Appendix A), dissolved arsenic has not been analyzed in other surface-water locations in ditches adjacent to the landfill, which eventually discharge to Dry Run Creek, or within Dry Run Creek. Dissolved arsenic concentrations in the outfall location (1.83 µg/L) were less than the West Virginia surface-water quality criteria protective of human or ecological receptors as found in 47CSR2 [Aquatic Life Category B2 and Human Health Protection Category C (fish consumption)].

⁸ <https://dep.wv.gov/WWE/watershed/wqmonitoring/Pages/C-8.aspx>

⁹ A prior evaluation of fish tissue data did not identify the fish ingestion pathway as a concern (Environ, 2012).

As a result, groundwater sample results from all 12 downgradient landfill monitoring wells were screened for interaction of groundwater with surface water. Screening levels were equivalent to 10 times the West Virginia surface-water quality criteria. The use of a 10 times dilution factor is considered conservative based on the relatively low hydraulic conductivity of the aquifers (0.03 feet/day) and resulting slow velocity of groundwater flow to Dry Run Creek (0.012 feet/day). As shown in Table 5.3, none of the dissolved arsenic concentrations were above the screening criteria. Therefore, exposure to recreational users or ecological receptors of groundwater discharged to surface water in Dry Run Creek is not considered significant at this time.

6.0 Assessment of Corrective Measures and Recommendations

Current corrective measures in place at the Dry Run Landfill include an engineered cap system, leachate collection system, and a stormwater collection pond with treatment system. Based on the exposure assessment presented in Section 5, additional corrective measures are not proposed due to the lack of any significant potentially complete groundwater or surface-water exposure pathways. There is limited to no potential for exposure by human or environmental receptors to dissolved arsenic or PFOA in groundwater or surface water.

The following recommendations related to Permit-required groundwater sampling and statistical analysis are also provided for consideration:

- Consistent with Permit requirements, semi-annual landfill monitoring will continue. However, it is recommended that statistical analysis of the groundwater results after each semi-annual event be conducted using the non-parametric Mann-Kendall test at 1% significance level (99% confidence level), which is analogous to the use of 99% UPL historically used for the Dry Run Landfill statistical analysis. The use of an alternative statistical test is allowed per Section C.2.h of the Permit. In addition, the Mann-Kendall test meets the performance standards of subparagraph 4.11.a.9.D and 4.11.a.9 of the SWMR. As previously discussed in Section 4.1, justification for use of the alternative statistical test is provided as Appendix B to this report.
- Because of the two upward trends observed in the intrawell statistical analysis, Phase II Assessment Monitoring will also continue consistent with Section C.2.i(6) of the Permit.
- However, following an evaluation of the Phase II parameters per SWMR Sections 4.11.c. and 4.11.b.2.B, it is recommended that the list of Phase II parameters provided in Table 6.1 be waived by the Secretary. This recommendation is based on site knowledge of waste disposed in the landfill and three consecutive semi-annual monitoring events without detection.
- An electronic major permit modification was submitted through the WVDEP ESS with justifications for removing constituents from the Phase II list. In addition, the submittal also included justification for use of an alternative statistical analysis.

7.0 References

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Tables

**Table 3.1
Dry Run Landfill Monitoring Well Construction and Groundwater Elevation Data
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Monitoring Wells															
Zone	Overburden					A-Zone					B-Zone			C-Zone	Above A-Zone
Parameters	MW-6A	MW-12A	MW-12B	MW-13A	MW-21A	MW-16B	MW-17B	MW-18B	MW-19B	MW-20B	MW-12	MW-13	MW-15	MW-21B	MW-14
Measuring Point Elevation (feet)	744.46	732.41	732.85	722.57	707.62	792.98	853.56	925.87	881.99	868.79	733.1	722.68	734.28	707.67	938.08
Total Depth (feet)	11.89	17.17	20.24	13.33	19.79	61.61	127.09	202.05	151.76	136.41	37.82	37.54	48.60	177.20	239.91
Well Diameter (inches)	2	4	4	4	2	4	4	4	4	4	4	4	2	4	10
Slot Size (inches)	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	NA
Screen Length (feet)	NA	5	10	5	10	20	20	20	20	20	15	15	20	20	NA
Elevation of Screen Interval (feet)	NA	720.24 - 715.24	722.61 - 712.61	714.24 - 709.24	697.83 - 687.83	751.37 - 731.57	746.47 - 726.47	743.82 - 723.82	750.23 - 730.23	752.38 - 732.38	710.28 - 695.28	700.14 - 685.14	705.68 - 685.68	550.47 - 530.47	NA
Groundwater Elevation (feet)															
December-01	737.81	727.30	728.11	714.35	-	-	-	-	-	-	724.40	711.81	716.10	-	754.09
January-02	738.29	728.50	729.14	716.97	-	-	-	-	-	-	725.25	712.17	716.50	-	757.99
February-02	738.26	727.99	728.70	714.16	-	-	-	-	-	-	725.40	711.46	716.33	-	754.87
March-02	738.75	728.89	729.58	716.68	-	-	-	-	-	-	725.74	712.21	717.02	-	755.45
May-02	738.25	728.97	729.67	716.70	-	-	-	-	-	-	725.99	712.54	716.88	-	755.12
August-02	735.61	725.51	726.24	713.62	-	-	-	-	-	-	723.65	710.65	715.82	-	755.31
October-02	736.92	725.91	726.64	713.97	703.00	736.49	737.19	757.47	750.94	752.95	723.54	711.65	716.02	613.01	755.13
Feb/March-03	739.49	728.99	729.71	717.67	704.97	746.31	751.88	755.11	759.93	757.53	725.87	712.81	716.68	613.19	755.33
May-03	739.02	729.21	729.94	716.69	704.43	747.09	754.37	755.22	757.64	757.75	725.66	712.53	716.64	614.06	755.40
August-03	738.11	727.55	728.32	713.68	702.95	747.48	755.64	754.97	757.74	757.84	725.18	711.45	715.81	614.18	755.61
December-03	738.72	728.86	729.59	716.06	-	-	-	-	-	-	726.16	712.29	716.65	-	755.16
February-04	738.85	728.46	729.15	717.11	704.35	749.52	756.42	764.96	757.87	757.84	725.93	712.09	716.48	614.68	755.29
May-04	739.26	728.89	729.58	716.61	704.80	749.96	757.01	755.40	758.96	757.98	725.27	711.98	716.27	615.35	755.60
August-04	737.71	726.67	727.49	713.62	-	-	-	-	-	-	724.26	711.07	715.75	-	764.33
November-04	738.65	728.16	728.87	714.20	-	-	-	-	-	-	725.39	711.90	716.20	-	755.13
January-05	739.13	725.4	729.67	716.34	697.03	749.58	757.20	-	757.93	757.94	729.65	712.09	716.67	-	755.46
May-05	739.74	729.37	730.11	717.14	705.01	750.23	757.35	755.65	758.21	758.28	725.89	712.25	716.59	-	755.33
July-05	737.72	726.54	727.26	713.66	702.66	748.94	756.42	755.26	757.85	757.99	724.04	710.87	715.69	-	753.57
October-05	734.57	725.93	726.75	713.62	702.80	747.58	755.79	755.17	757.59	757.79	723.82	711.23	715.66	-	755.51
January-06	738.71	728.23	729.00	714.55	703.43	748.11	756.41	755.30	757.27	757.67	725.63	711.86	716.19	-	755.56
April-06	739.10	728.74	729.49	715.06	704.80	748.95	756.24	755.39	757.84	757.97	725.58	711.50	716.08	-	755.52
July-06	738.70	727.65	728.31	714.01	703.12	748.50	756.24	755.29	758.00	758.08	724.78	711.50	715.84	-	755.68
October-06	739.86	728.76	729.51	714.57	703.68	747.96	756.40	755.35	757.9	758.04	725.81	712.23	716.77	614.25	800.57
January-07	739.35	729.20	729.81	716.95	704.93	749.03	756.49	753.13	758.03	758.24	726.15	712.31	716.64	-	755.55
April-07	739.06	728.56	729.28	714.66	704.02	749.62	756.38	755.49	758.17	758.71	725.94	711.57	716.34	-	755.8
July-07	737.76	726.05	726.85	712.87	702.31	748.68	756.20	755.66	755.27	758.08	723.75	710.50	715.19	-	756.02
October-07	736.98	724.65	725.42	713.03	702.67	747.37	755.75	755.45	758.28	758.84	722.91	710.24	715.24	-	755.71
January-08	739.99	728.45	729.2	716.36	704.9	747.93	756.05	755.45	758.21	758.47	725.39	712.23	716.45	-	755.66
April-08	739.61	728.91	729.45	715.23	705.02	749.50	756.61	755.67	758.58	758.64	725.72	711.73	715.65	-	755.88
July-08	738.55	728.09	728.72	713.97	703.28	749.33	756.23	755.77	758.78	758.84	725.42	711.74	716.09	-	755.76
October-08	737.11	725.24	726.03	713.17	702.64	748.30	756.25	755.22	758.14	758.23	723.77	710.77	715.14	-	755.57
January-09	739.91	728.56	729.35	716.82	704.82	747.98	755.96	755.17	757.74	757.59	725.55	712.48	716.43	-	755.93
April-09	739.71	729.23	729.88	717.12	704.97	748.88	756.34	753.73	758.13	757.97	725.69	712.16	716.20	-	755.71
July-09	738.06	727.16	728.34	713.00	702.93	748.65	756.05	755.53	758.21	758.35	724.87	711.06	715.37	-	755.76

**Table 3.1
Dry Run Landfill Monitoring Well Construction and Groundwater Elevation Data
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Monitoring Wells															
Zone	Overburden					A-Zone					B-Zone			C-Zone	Above A-Zone
Parameters	MW-6A	MW-12A	MW-12B	MW-13A	MW-21A	MW-16B	MW-17B	MW-18B	MW-19B	MW-20B	MW-12	MW-13	MW-15	MW-21B	MW-14
Measuring Point Elevation (feet)	744.46	732.41	732.85	722.57	707.62	792.98	853.56	925.87	881.99	868.79	733.1	722.68	734.28	707.67	938.08
Total Depth (feet)	11.89	17.17	20.24	13.33	19.79	61.61	127.09	202.05	151.76	136.41	37.82	37.54	48.60	177.20	239.91
Well Diameter (inches)	2	4	4	4	2	4	4	4	4	4	4	4	2	4	10
Slot Size (inches)	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	NA
Screen Length (feet)	NA	5	10	5	10	20	20	20	20	20	15	15	20	20	NA
Elevation of Screen Interval (feet)	NA	720.24 - 715.24	722.61 - 712.61	714.24 - 709.24	697.83 - 687.83	751.37 - 731.57	746.47 - 726.47	743.82 - 723.82	750.23 - 730.23	752.38 - 732.38	710.28 - 695.28	700.14 - 685.14	705.68 - 685.68	550.47 - 530.47	NA
Groundwater Elevation (feet)															
October-09	737.68	724.31	728.30	713.74	703.09	747.66	756.36	755.45	758.09	758.01	724.67	711.68	715.59	-	755.78
January-10	738.72	727.71	728.47	714.32	703.34	747.76	756.53	755.32	757.91	757.79	725.52	711.48	715.73	-	755.70
April-10	739.16	728.70	729.24	715.66	703.97	748.64	756.11	755.62	758.04	758.04	725.97	711.61	716.08	-	756.03
July-10	739.62	728.51	729.17	714.54	704.82	748.45	756.37	755.86	758.14	758.09	725.10	711.96	715.48	-	755.98
October-10	737.96	726.73	727.44	713.12	703.02	747.60	756.16	755.57	757.94	758.06	724.48	711.08	715.23	-	755.88
January-11	739.95	727.76	728.41	714.17	703.48	747.82	756.03	755.32	757.51	757.51	725.25	711.40	715.68	-	755.63
April-11	739.96	729.31	730.00	718.48	705.17	748.51	755.83	755.75	757.74	757.79	726.18	712.37	716.32	-	755.86
July-11	738.21	728.00	728.73	714.25	703.50	748.48	756.01	755.55	758.04	758.14	725.10	711.46	715.46	-	755.90
October-11	739.36	727.63	728.35	713.41	703.32	747.74	755.88	755.32	757.64	757.84	725.20	711.36	714.43	-	755.72
January-12	739.00	728.44	729.42	715.15	704.97	748.50	756.26	755.74	757.99	757.94	726.08	711.58	715.29	-	755.77
April-12	739.34	728.46	729.04	714.52	703.97	749.31	756.08	755.50	757.88	757.92	725.97	711.38	715.23	-	755.86
July-12	738.29	726.85	727.57	712.75	702.71	748.70	756.00	755.62	757.81	757.93	724.51	710.77	714.53	-	755.93
October-12	738.81	728.25	729.00	716.46	704.55	747.70	756.21	755.57	757.62	757.79	724.79	712.01	715.00	-	755.86
January-13	739.34	728.89	729.39	716.77	704.50	748.48	756.05	752.96	757.55	754.64	726.14	711.90	715.21	-	755.67
April-13	739.24	728.73	728.95	716.52	704.16	749.34	756.14	755.65	757.87	757.74	725.98	711.63	715.55	-	-
July-13	738.73	728.11	728.80	716.92	703.52	748.40	756.28	755.72	757.84	757.89	725.52	711.58	715.35	-	-
October-13	738.46	727.14	727.84	713.47	703.41	747.88	756.21	755.65	757.65	757.89	724.97	711.24	714.86	-	-
February-14	739.21	728.76	729.45	717.57	704.67	748.58	756.51	755.37	757.69	757.54	725.98	711.78	715.68	-	-
April-14	739.55	728.41	729.10	715.92	704.74	748.69	756.11	755.62	756.64	757.84	725.75	711.57	715.28	-	-
July-14	738.46	728.26	729.49	714.62	703.62	748.36	760.81	755.73	757.87	757.89	725.24	711.98	715.48	-	-
October-14	738.42	725.82	726.58	714.63	703.43	747.13	756.31	755.87	757.59	757.79	723.95	710.66	714.78	-	-
Feb/March-15	738.42	725.82	726.58	714.63	703.43	748.15	756.31	755.87	757.59	757.79	723.95	710.66	714.78	-	-
April-15	739.61	728.83	729.51	715.79	704.19	748.04	756.41	729.02	757.59	757.79	725.95	711.59	715.68	-	-
July-15	739.16	729.07	729.72	715.53	704.77	747.53	756.46	755.87	757.84	757.99	725.55	712.12	715.58	-	-
October-15	738.16	728.19	728.87	714.47	703.72	747.23	756.06	755.66	757.61	757.89	725.15	711.98	715.64	-	-
March-16	739.46	729.09	729.75	717.95	704.82	749.32	756.98	755.97	757.99	757.89	726.30	712.18	716.28	-	-
August-16	738.22	727.10	727.71	714.03	703.40	749.03	756.81	-	763.99	757.93	724.58	711.22	715.13	-	-
June-17	738.46	727.36	727.95	713.07	702.77	750.28	756.86	755.95	-	757.91	724.86	710.87	714.87	-	-
December-17	738.26	727.86	728.50	714.62	703.12	749.15	756.81	754.71	757.39	757.47	725.48	-	715.18	-	-

- Groundwater elevation not measured.

Table 4.1
Phase I Parameters
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter	Units	47CSR12 GWPS
Aluminum, Dissolved	MG/L	NS
Ammonia Nitrogen	MG/L	NS
Ammonium Perfluorooctanoate	UG/L	NS
Antimony, Dissolved	MG/L	NS
Arsenic, Dissolved	MG/L	0.01
Boron, Dissolved	MG/L	NS
Cadmium, Dissolved (as CD)	MG/L	0.005
Chemical Oxygen Demand (COD)	MG/L	NS
Chloride (as Cl)	MG/L	NS
Copper, Dissolved (as Cu)	MG/L	1.3
Dissolved Beryllium (as Be)	MG/L	0.004
Fluoride, Total	MG/L	4
Iron, Dissolved (as Fe)	MG/L	NS
Manganese, Dissolved (as Mn)	MG/L	NS
Nitrogen Nitrate	MG/L	10
Nitrogen Nitrite	MG/L	1
pH	SU	NS
Selenium, Dissolved (as Se)	MG/L	0.05
Silver, Dissolved (as Ag)	MG/L	NS
Specific Conductance	UMHO/CM	NS
Sulfate	MG/L	NS
Total Dissolved Solids (TDS)	MG/L	NS
Temperature, C	Deg C	NS
Thallium, Dissolved (as Tl)	MG/L	0.002
Total Organic Carbon (TOC)	MG/L	NS
Total Suspended Solids (TSS)	MG/L	NS

47CSR12 - Requirements Governing Groundwater Standards

GWPS - Groundwater Protection Standard

NS - No standard established

mg/L - milligrams per liter

ug/L - micrograms per liter

SU - standard units

UMHO/CM - microohms per centimeter

Table 4.2
Outlet Monitoring Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter	Outlet 003	Outlet 004	Outlet 006	SS-1	SS-2	LM-1	LM-2
Alkalinity, Total						1/6 months	
Aluminum, Total	1/month	1/month	1/month	1/month	1/month	1/6 months	
Ammonia Nitrogen			1/month	1/month	1/month	1/6 months	
Ammonia, Unionized				1/month	1/month		
Ammonium Perfluorooctanoate	1/month	1/month	1/month	1/month	1/month	1/quarter	1/month
Antimony, Total (as Sb)						1/6 months	
Arsenic, Total (as As)						1/6 months	
Barium, Total (as Ba)						1/6 months	
Benzene				1/month	1/month	1/6 months	
BOD (5-day, 20 degC)			1/month			1/6 months	
Boron, Total			1/month			1/6 months	
Cadmium, Total (as Cd)						1/6 months	
Calcium, Total (as Ca)						1/6 months	
Chemical Oxygen Demand						1/6 months	
Chloride (as Cl)						1/6 months	
Chromium, Total (as Cr)						1/6 months	
Copper, Total (as Cu)						1/6 months	
Cyanide, Total						1/6 months	
Flow	1/month	1/month	1/month	1/month	1/month		
Fluoride, Total	1/month	1/month	1/month	1/month	1/month	1/6 months	
Formaldehyde						1/6 months	
Hardness, Total (as CaCO3)						1/6 months	
Iron, Total	1/month	1/month	1/month	1/month	1/month	1/6 months	
Lead, Total (as Pb)						1/6 months	
Magnesium, Total (as Mg)						1/6 months	
Manganese, Total			1/month	1/month	1/month	1/6 months	
Mercury, Total (as Hg)						1/6 months	
Molybdenum, Total (as Mo)						1/6 months	
Nickel, Total (as Ni)						1/6 months	
Nitrogen Nitrate	1/month	1/month	1/month			1/6 months	
Nitrogen Nitrite						1/6 months	
pH	1/month	1/month	1/month	1/month	1/month	1/6 months	
Phenolics, Total						1/6 months	
Potassium, Total (as K)						1/6 months	
Selenium, Total (as Se)						1/6 months	
Silver, Total (as Ag)						1/6 months	
Sodium, Total (as Na)						1/6 months	
Specific Conductance						1/6 months	
Sulfate			1/month			1/6 months	
TDS			1/month			1/6 months	
Thallium, Total (as Tl)						1/6 months	
Total Organic Carbon (TOC)						1/6 months	
Total Titanium (as Ti)						1/6 months	
Toxicity, Chronic Daphnia			1/6 months				
Toxicity, Chronic Pimephales			1/6 months				
TSS	1/month	1/month	1/month			1/6 months	
Vanadium, Total (as V)						1/6 months	
Zinc, Total	1/month	1/month				1/6 months	

Table 4.3
Prediction Intervals on Dry Run Landfill Groundwater Quality Parameters
(MW-12, MW-13, and MW-15) 1st Half 2017
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Unit	Background Statistics				Upper Prediction Limit			Downgradient Wells		
		No. of Samples	Mean	Standard Deviation	Detection Rate	Shapiro-Wilk W Test p- value	Type ⁽¹⁾	Limit	MW-12	MW-13	MW-15
Total Dissolved Solids	mg/L	16	6139	497	100%	0.104	P	7472	474	430	540
COD	mg/L	16	24.3	13.6	63%	-	N-P	56.8	<10	<10	<10
Total Organic Carbon	mg/L	14	1.20	0.50	71%	-	N-P	2.1	2.49 *	32.3 *	3.68 *
Iron, Dissolved	mg/L	16	0.587	0.181	100%	0.002	N-P	0.763	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L	16	0.152	0.024	100%	0.371	P	0.215	<0.005	<0.005	<0.005
Sulf ate	mg/L	16	7.47	4.15	44%	-	N-P	17.4	32.6 *	33.6 *	61.6 *
Aluminum, Dissolved	mg/L	16	-	-	0%	-	N-P	0.1	<0.1	<0.1	<0.1
Antimony, Dissolved	mg/L	16	-	-	0%	-	N-P	0.0005	0.000605*	<0.0005	<0.0005
Arsenic, Dissolved	mg/L	3	-	-	100%	-	-	-	0.00572	0.0148	0.00435
Beryllium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.002	<0.002	<0.002	<0.002
Boron, Dissolved	mg/L	16	0.218	0.015	100%	0.018	N-P	0.256	0.113	0.0592	0.214
Cadmium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005
Copper, Dissolved	mg/L	16	-	-	0%	-	N-P	0.01	<0.01	<0.01	<0.01
Selenium, Dissolved	mg/L	3	-	-	67%	-	-	-	<0.0005	0.000729	<0.0005
Silver, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005
Thallium, Dissolved	mg/L	15	-	-	0%	-	N-P	0.0001	0.0001	<0.0001	<0.0001
Chloride	mg/L	14	3758	253	100%	0.671	P	4451	8.65	10.8	6.91
Ammonia Nitrogen	mg/L	16	0.541	0.064	100%	0.217	P	0.713	0.08	<0.05	0.193
Nitrate Nitrogen	mg/L	15	0.113	0.077	87%	-	N-P	0.305	0.114	1.52 *	0.678 *
Nitrite Nitrogen	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005
Fluoride	mg/L	16	0.584	0.072	100%	0.665	P	0.778	0.367	0.499	1.48 *
APFO	ug/L	16	0.0355	0.0062	100%	0.041	N-P	0.052	0.062 *	16 *	1.5 *

< Indicates the MDL value is used in comparing with the upper prediction limit.

(1) P designates parametric and N-P designates nonparametric testing.

*Statistically significant

mg/L - milligrams per liter
ug/L - micrograms per liter

Table 4.4
Prediction Intervals on Dry Run Landfill Groundwater Quality Parameters
(MW-16B, MW-17B, MW-19B, and MW-20B) 1st Half 2017
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Unit	Background Statistics				Upper Prediction Limit			Downgradient Wells			
		No. of Samples	Mean	Standard Deviation	Detection Rate	Shapiro-Wilk W Test p-value	Type (1)	Limit	MW-16B	MW-17B	MW-19B	MW-20B
Total Dissolved Solids	mg/L	16	4679	638	100%	0.019	N-P	6550	586	4320	3300	1450
COD	mg/L	16	20.3	12.8	56%	-	N-P	54.2	<10	23	19.5	<10
Total Organic Carbon	mg/L	15	1.97	1.38	87%	-	N-P	5.75	3.16	3.71	3.08	6.79 *
Iron, Dissolved	mg/L	16	0.256	0.133	88%	-	N-P	0.5	<0.05	<0.05	0.124	<0.05
Manganese, Dissolved	mg/L	16	0.163	0.020	100%	0.084	P	0.217	<0.005	0.07	0.0872	0.0164
Sulfate	mg/L	14	9.27	3.19	86%	-	N-P	16.9	20.7 *	<10	12.1	28.8 *
Aluminum, Dissolved	mg/L	16	0.0577	0.0164	13%	-	N-P	0.118	<0.1	<0.1	<0.1	<0.1
Antimony, Dissolved	mg/L	16	-	-	0%	-	N-P	0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arsenic, Dissolved	mg/L	3	-	-	100%	-	-	-	0.0111	0.00987	0.0122	0.0127
Beryllium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.002	<0.002	<0.002	<0.002	<0.002
Boron, Dissolved	mg/L	16	0.227	0.012	100%	0.497	P	0.258	0.303 *	0.244	0.193	0.234
Cadmium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005	<0.005
Copper, Dissolved	mg/L	15	-	-	0%	-	N-P	0.01	<0.01	<0.01	<0.01	<0.01
Selenium, Dissolved	mg/L	3	-	-	67%	-	-	-	0.000693	0.0185	<0.0025	<0.0025
Silver, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005	<0.005
Thallium, Dissolved	mg/L	15	-	-	0%	-	N-P	0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chloride	mg/L	16	2628	243	100%	0.081	P	3280	70.1	2740	1860	474
Ammonia Nitrogen	mg/L	16	0.473	0.104	100%	0.199	P	0.752	0.117	0.422	0.481	0.0926
Nitrate Nitrogen	mg/L	15	0.109	0.076	80%	-	N-P	0.237	0.403 *	0.314 *	<0.025	0.031
Nitrite Nitrogen	mg/L	16	0.00505	0.00012	19%	-	N-P	0.00539	<0.005	0.106 *	<0.005	<0.005
Fluoride	mg/L	16	1.07	0.08	100%	0.174	P	1.27	2.6 *	1.2	1.39 *	2.65 *
APFO	ug/L	16	0.00755	0.00448	69%	-	N-P	0.014	0.011	0.059 *	0.011	0.034 *

< Indicates the MDL value is used in comparing with the upper prediction limit.

(1) P designates parametric and N-P designates nonparametric testing.

*Statistically significant

mg/L - milligrams per liter

ug/L - micrograms per liter

Table 4.5
Prediction Intervals on Dry Run Landfill Groundwater Quality Parameters
(MW-12, MW-13, and MW-15) 2nd Half 2017
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Unit	Background Statistics				Upper Prediction Limit			Downgradient Wells		
		No. of Samples	Mean	Standard Deviation	Detection Rate	Shapiro-Wilk W Test p- value	Type ⁽¹⁾	Limit	MW-12	MW-13	MW-15
Total Dissolved Solids	mg/L	16	6135	501	100%	0.098	P	7480	500	428	544
COD	mg/L	16	23.3	14.0	56%	-	N-P	56.8	<10	<10	26.8
Total Organic Carbon	mg/L	14	1.20	0.50	71%	-	N-P	2.1	1.47	3.84 *	2.31 *
Iron, Dissolved	mg/L	16	0.566	0.181	100%	0.011	N-P	0.763	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L	16	0.149	0.027	100%	0.508	P	0.222	0.0118	<0.005	<0.005
Sulfate	mg/L	16	7.47	4.15	44%	-	N-P	17.4	32 *	33 *	51.8 *
Aluminum, Dissolved	mg/L	16	-	-	0%	-	N-P	0.1	<0.1	<0.1	<0.1
Antimony, Dissolved	mg/L	16	-	-	0%	-	N-P	0.0005	<0.0005	<0.0005	<0.0005
Arsenic, Dissolved	mg/L	4	-	-	100%	-	-	-	0.00735	0.0195	0.00319
Beryllium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.002	<0.002	<0.002	<0.002
Boron, Dissolved	mg/L	16	0.216	0.012	100%	0.115	P	0.247	0.134	0.144	0.244
Cadmium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005
Copper, Dissolved	mg/L	16	-	-	0%	-	N-P	0.01	<0.01	<0.01	<0.01
Selenium, Dissolved	mg/L	4	-	-	75%	-	-	-	<0.0005	0.00154	<0.001
Silver, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005
Thallium, Dissolved	mg/L	15	-	-	0%	-	N-P	0.0001	<0.0001	<0.0001	<0.0001
Chloride	mg/L	14	3766	259	100%	0.854	P	4476	6.9	11.5	9.69
Ammonia Nitrogen	mg/L	15	0.528	0.051	100%	0.574	P	0.665	0.205	0.097	0.0993
Nitrate Nitrogen	mg/L	15	0.111	0.079	80%	-	N-P	0.305	<0.025	1.15 *	0.867 *
Nitrite Nitrogen	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005
Fluoride	mg/L	16	0.574	0.067	100%	0.597	P	0.753	0.284	0.389	1.5 *
APFO	ug/L	16	0.0343	0.0044	100%	0.373	P	0.0460	0.061 *	15 *	1.95 *

< Indicates the MDL value is used in comparing with the upper prediction limit.

(1) P designates parametric and N-P designates nonparametric testing.

*Statistically significant

mg/L - milligrams per liter

ug/L - micrograms per liter

Table 4.6
Prediction Intervals on Dry Run Landfill Groundwater Quality Parameters
(MW-16B, MW-17B, MW-19B, and MW-20B) 2nd Half 2017
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Unit	Background Statistics				Upper Prediction Limit			Downgradient Wells			
		No. of Samples	Mean	Standard Deviation	Detection Rate	Shapiro-Wilk W Test	Type (1)	Limit	MW-16B	MW-17B	MW-19B	MW-20B
Total Dissolved Solids	mg/L	15	4547	408	100%	0.260	P	5653	586	4560	3140	1360
COD	mg/L	16	20.3	12.8	56%	-	N-P	54.2	<10	17.2	<20	<20
Total Organic Carbon	mg/L	15	1.83	1.06	87%	-	N-P	3.7	14.7 *	2.82	3.66	14.7 *
Iron, Dissolved	mg/L	16	0.238	0.138	88%	-	N-P	0.5	<0.05	<0.05	0.142	0.176
Manganese, Dissolved	mg/L	16	0.158	0.022	100%	0.302	P	0.217	<0.005	0.0687	0.0853	0.0232
Sulfate	mg/L	14	9.20	3.24	79%	-	N-P	16.9	20.6 *	<10	11	28.1 *
Aluminum, Dissolved	mg/L	16	0.0594	0.0160	13%	-	N-P	0.118	0.122 *	<0.1	<0.1	0.196 *
Antimony, Dissolved	mg/L	16	-	-	0%	-	N-P	0.0005	<0.0005	<0.0005	<0.0005	<0.0025
Arsenic, Dissolved	mg/L	4	-	-	100%	-	-	-	0.011	0.00934	0.0121	0.0131
Beryllium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.002	<0.002	<0.002	<0.002	<0.002
Boron, Dissolved	mg/L	16	0.229	0.011	100%	0.684	P	0.257	0.329 *	0.268 *	0.21	0.244
Cadmium, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005	<0.005
Copper, Dissolved	mg/L	15	-	-	0%	-	N-P	0.01	<0.01	<0.01	<0.01	<0.01
Selenium, Dissolved	mg/L	4	-	-	75%	-	-	-	<0.0025	0.0206	0.0093	<0.0025
Silver, Dissolved	mg/L	16	-	-	0%	-	N-P	0.005	<0.005	<0.005	<0.005	<0.005
Thallium, Dissolved	mg/L	15	-	-	0%	-	N-P	0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chloride	mg/L	16	2623	241	100%	0.073	P	3270	66.4	2600	1790	480
Ammonia Nitrogen	mg/L	16	0.473	0.104	100%	0.187	P	0.752	0.452	0.773 *	1.02 *	0.455
Nitrate Nitrogen	mg/L	15	0.104	0.077	80%	-	N-P	0.237	0.399 *	0.198	<0.025	0.045
Nitrite Nitrogen	mg/L	15	0.00506	0.00013	20%	-	N-P	0.00539	<0.005	0.113 *	<0.005	<0.005
Fluoride	mg/L	16	1.05	0.08	100%	0.161	P	1.27	2.48 *	1.12	1.32 *	2.46 *
APFO	ug/L	16	0.00890	0.00384	75%	-	N-P	0.015	0.01	0.05 *	0.011	0.031 *

< Indicates the MDL value is used in comparing with the upper prediction limit.

(1) P designates parametric and N-P designates nonparametric testing.

*Statistically significant

mg/L - milligrams per liter

ug/L - micrograms per liter

**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-6A	MW-6A	MW-6A	MW-6A	MW-12	MW-12	MW-12	
							Date Sampled	03/01/2016	08/16/2016	06/07/2017	12/05/2017	03/01/2016	08/22/2016	06/06/2017	
							Purpose	FS	FS	FS	FS	FS	FS	FS	
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result		
SSI															
PFOA		N	UG/L		0.070		0.34	0.63	0.69	0.47	0.056	0.054	0.06		
Aluminum		Y	UG/L		200		<100	<100	<100	<100	<100	<100	<100	<100	<100
Antimony		Y	UG/L	6			0.927 J	<0.500	<0.500	<0.500	<0.500	0.905 J	0.605 J		
Nitrate	14797-55-8	N	UG/L	10000			291 B	283 J	69.0 B	<25.0	279 J	200 J	114		
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Ammonia		N	UG/L	No Value	No Value	No Value	148 B	151 B	165 B	135 B	<50.0	63.8 J	80.0 J		
Boron		Y	UG/L			4000	<50.0	51.9 J	<50.0	<50.0	103	98.2 J	113		
Chloride		N	UG/L		250000		2720	6560	3420	4490 B	7840	7010	8650		
Fluoride	16984-48-8	N	UG/L	4000			<50.0	81.4 J	131	128	204 J	249	367		
Sulfate		N	UG/L		250000		19100	18400	20800	20500	31500	31000	32600		
Carbon		N	UG/L	No Value	No Value	No Value	1970	4270 B	3150 J	2780	2040	10700	2490 J		
<i>Other Parameters</i>															
Arsenic	7440-38-2	Y	UG/L	10			<0.500	<0.500	<1.25	<1.25	5.37	6.76	5.72		
Selenium	7782-49-2	Y	UG/L	50			<0.500	0.790 J	<0.500	<0.500 UJ	0.698 J	0.683 J	<0.500		
Thallium	7440-28-0	Y	UG/L	2			<0.100	0.118 B	<0.100	<0.100	<0.100	0.152 B	0.100 J		

47CSR12 - Requirements Governing Groundwater Standards
 Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
 GWPS - Groundwater Protection Standard
 MCL - Maximum Contaminant Level as listed in EPA 816-F-09-004, MAY 2009
 RSL - EPA Regional Screening Level for tap water (November 2017 update)
 RSLs are based on an excess cancer risk of 1x10⁻⁶ and a hazard quotient of 1

SSI - Statistically Significant Increase Above Background
 UG/L - micrograms per liter
 J - estimated value
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**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-12	MW-12A	MW-12A	MW-12A	MW-12A	MW-12B	MW-12B
							Date Sampled	12/07/2017	03/01/2016	08/22/2016	06/06/2017	12/07/2017	03/01/2016	08/22/2016
							Purpose	FS	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
SSI														
PFOA		N	UG/L		0.070		0.058	0.066	0.075	0.069	0.068	0.1	0.099	
Aluminum		Y	UG/L		200		<100	<100	<100	<100	<100	<100	<100	
Antimony		Y	UG/L	6			<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
Nitrate	14797-55-8	N	UG/L	10000			<25.0	111 J	111 J	33	<25.0	121 J	117 J	
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Ammonia		N	UG/L	No Value	No Value	No Value	205 B	226	80.7 J	85.9 J	156 B	55.9 J	1310 J	
Boron		Y	UG/L			4000	134	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	
Chloride		N	UG/L		250000		6900	9500	8890	10200	10400	5040	5020	
Fluoride	16984-48-8	N	UG/L	4000			284	606 J	130	140	76.6 J	<50.0	106	
Sulfate		N	UG/L		250000		32000	31500	31100	32900	32100	33800	18300	
Carbon		N	UG/L	No Value	No Value	No Value	1470 B	1820	7780 J	2860	2660 B	1850	6360 J	
Other Parameters														
Arsenic	7440-38-2	Y	UG/L	10			7.35	<0.500	0.505 J	<1.25	<1.25	<0.500	<0.500	
Selenium	7782-49-2	Y	UG/L	50			<0.500	0.675 J	1.52	<1.00	<0.500	0.633 J	0.797 J	
Thallium	7440-28-0	Y	UG/L	2			<0.100	<0.100	0.194 B	<0.100	<0.100	<0.100	0.116 B	

47CSR12 - Requirements Governing Groundwater Standards

Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards

GWPS - Groundwater Protection Standard

MCL - Maximum Contaminant Level as listed in EPA 816-F-09-004, MAY 2009

RSL - EPA Regional Screening Level for tap water (November 2017 update)

RSLs are based on an excess cancer risk of 1x10⁻⁶ and a hazard quotient of 1

SSI - Statistically Significant Increase Above Background

UG/L - micrograms per liter

J - estimated value

B - detected in associated laboratory or field blank

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**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-12B	MW-12B	MW-13	MW-13	MW-13	MW-13	MW-13A
							Date Sampled	06/06/2017	12/07/2017	03/01/2016	08/19/2016	06/06/2017	12/07/2017	03/01/2016
							Purpose	FS	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
SSI														
PFOA		N	UG/L		0.070		0.065	0.086	16	18	16	15	0.71	
Aluminum		Y	UG/L		200		<100	<100	<100	<100	<100	<100	<100	
Antimony		Y	UG/L	6			<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
Nitrate	14797-55-8	N	UG/L	10000			<25.0	<25.0	1220 J	1430 J	1520	1150	3620 J	
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Ammonia		N	UG/L	No Value	No Value	No Value	120	<50.0 UJ	86.5 J	400 J	<50.0	97.0 B	106 J	
Boron		Y	UG/L			4000	122	<50.0	133	138	59.2 J	144	<50.0	
Chloride		N	UG/L		250000		9000	10100	12000	10600	10800	11500	2000	
Fluoride	16984-48-8	N	UG/L	4000			106	<50.0	<50.0	363	499	389	394 J	
Sulfate		N	UG/L		250000		34800	33600	32400	32400	33600	33000	28100	
Carbon		N	UG/L	No Value	No Value	No Value	2580	3670 B	2210	8540 J	32300 J	3840 B	3070	
Other Parameters														
Arsenic	7440-38-2	Y	UG/L	10			<1.25	<1.25	17.3	20.9	14.8	19.5	<0.500	
Selenium	7782-49-2	Y	UG/L	50			<0.500	<0.500	3.88	12.5	0.729 J	1.54	<0.500	
Thallium	7440-28-0	Y	UG/L	2			<0.100	<0.100	<0.100	0.204 B	<0.100	<0.100	<0.100	

47CSR12 - Requirements Governing Groundwater Standards
 Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
 GWPS - Groundwater Protection Standard
 MCL - Maximum Contaminant Level as listed in EPA 816-F-09-004, MAY 2009
 RSL - EPA Regional Screening Level for tap water (November 2017 update)
 RSLs are based on an excess cancer risk of 1x10⁻⁶ and a hazard quotient of 1

SSI - Statistically Significant Increase Above Background
 UG/L - micrograms per liter
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**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-13A	MW-13A	MW-13A	MW-14	MW-14	MW-14	MW-14	
							Date Sampled	08/19/2016	06/06/2017	12/07/2017	03/01/2016	08/16/2016	06/07/2017	06/07/2017	
							Purpose	FS	FS	FS	FS	FS	DUP	FS	
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result		
SSI															
PFOA		N	UG/L		0.070		0.88	1.3 J	0.74	0.029	0.034	0.042 J	0.044 J		
Aluminum		Y	UG/L		200		<100	<100	<100	<100	<100		<100		
Antimony		Y	UG/L	6			<0.500	<0.500	<0.500	<0.500	<0.500		<0.500		
Nitrate	14797-55-8	N	UG/L	10000			816 J	1630	1020	102 B	<25.0 UJ		<25.0		
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	<5.00	<5.00		<5.00		
Ammonia		N	UG/L	No Value	No Value	No Value	228 J	73.0 J	74.4 B	552 B	514 J		454 B		
Boron		Y	UG/L			4000	76.2 J	<50.0	62.7 J	210	227		211		
Chloride		N	UG/L		250000		1070 J	2080	1250 J	3860000	4050000		3910000		
Fluoride	16984-48-8	N	UG/L	4000			68.2 J	74.7 J	<50.0	451 J	502		657		
Sulfate		N	UG/L		250000		18400	32100	23500	13000 J	17400 J		<10000		
Carbon		N	UG/L	No Value	No Value	No Value	11900 J	5240 J	3520 B	997 J	31400		18000 J		
Other Parameters															
Arsenic	7440-38-2	Y	UG/L	10			<0.500	<1.25	<1.25	12.2	9.48 J		10.2		
Selenium	7782-49-2	Y	UG/L	50			0.775 J	<0.500	<0.500	42	48.3		<5.00		
Thallium	7440-28-0	Y	UG/L	2			<0.100	<0.100	<0.100	<0.100	0.223 B		<0.100		

47CSR12 - Requirements Governing Groundwater Standards
 Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
 GWPS - Groundwater Protection Standard
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**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15	MW-16B	
							Date Sampled	12/04/2017	03/01/2016	08/17/2016	06/07/2017	12/05/2017	12/05/2017	02/29/2016	
							Purpose	FS	FS	FS	FS	DUP	FS	FS	
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result		
SSI															
PFOA		N	UG/L		0.070		0.032	1.1	2	1.4	1.8	2	0.0075		
Aluminum		Y	UG/L		200		<100	<100	<100	<100		<100	<100		
Antimony		Y	UG/L	6			<0.500	<0.500	<0.500	<0.500		<0.500	1.26		
Nitrate	14797-55-8	N	UG/L	10000			<25.0	301 B	90.0 J	678		867	280		
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	<5.00		<5.00	<5.00		
Ammonia		N	UG/L	No Value	No Value	No Value	510 B	113 B	112 B	193 B		99.3 B	113 B		
Boron		Y	UG/L			4000	225	202	247	214		244	294		
Chloride		N	UG/L		250000		3990000	8230	10900	6910		9690	76300		
Fluoride	16984-48-8	N	UG/L	4000			538	1640 J	2040	1480		1500	2480 J		
Sulfate		N	UG/L		250000		<10000	55700	39200	61600		51800	20300		
Carbon		N	UG/L	No Value	No Value	No Value	1390	3350	7780	3680 J		2310	2870		
Other Parameters															
Arsenic	7440-38-2	Y	UG/L	10			11	2.91	3.5	4.35		3.19	13.4		
Selenium	7782-49-2	Y	UG/L	50			10.3 J	1.4	1.54	<0.500		<1.00 UJ	3.42		
Thallium	7440-28-0	Y	UG/L	2			<0.100	<0.100	0.215 B	<0.100		<0.100	0.505 B		

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Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-16B	MW-16B	MW-16B	MW-17B	MW-17B	MW-17B	MW-17B	
							Date Sampled	08/17/2016	06/05/2017	12/06/2017	02/29/2016	08/17/2016	11/17/2016	06/05/2017	
							Purpose	FS	FS	FS	FS	FS	FS	FS	
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result		
SSI															
PFOA		N	UG/L		0.070		0.0092	0.011	0.009	0.052	0.048	0.06	0.053 J		
Aluminum		Y	UG/L		200		<100	<100	122 J	<100	<100	<100	<100		
Antimony		Y	UG/L	6			<0.500	<0.500	<0.500	<0.500	<0.500	<1.25	<0.500		
Nitrate	14797-55-8	N	UG/L	10000			316 J	403 J	399	275	101 J	77.0 J	314 J		
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	122	116	95.9	106		
Ammonia		N	UG/L	No Value	No Value	No Value	155 B	117 B	452 B	536 J	649 B	719	422 B		
Boron		Y	UG/L			4000	335	303	329	263	285	244	244		
Chloride		N	UG/L		250000		69200	70100	66400	2850000	2810000	2770000	2740000		
Fluoride	16984-48-8	N	UG/L	4000			2460	2600	2480	1150 J	1080		1200		
Sulfate		N	UG/L		250000		19300	20700	20600	14400 J	17400 J	<10000	<10000		
Carbon		N	UG/L	No Value	No Value	No Value	4960 B	3160 J	14700	1350	3140 B	638 J	3710 J		
Other Parameters															
Arsenic	7440-38-2	Y	UG/L	10			13.2	11.1	11	7.67	10.1	9.96	9.87		
Selenium	7782-49-2	Y	UG/L	50			2.04	0.693 J	<2.50 UJ	22	38.9	30.4 J	18.5		
Thallium	7440-28-0	Y	UG/L	2			0.190 B	<0.100	<0.100	0.150 B	0.121 B	<0.250	<0.100		

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**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-17B	MW-18B	MW-18B	MW-18B	MW-18B	MW-19B	MW-19B
							Date Sampled	12/06/2017	02/29/2016	08/17/2016	06/05/2017	12/06/2017	02/29/2016	08/17/2016
							Purpose	FS	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
SSI														
PFOA		N	UG/L		0.070		0.048	0.011	0.0097	0.012	0.015	0.0052	0.0084	
Aluminum		Y	UG/L		200		<100	118 J	<100	<100	<100	<100	<100	
Antimony		Y	UG/L	6			<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
Nitrate	14797-55-8	N	UG/L	10000			198	<25.0	43.0 J	<25.0	45.6 J	<25.0	47.0 J	
Nitrite	14797-65-0	N	UG/L	1000			113	<5.00	<5.00	<5.00	8.37 J	<5.00	<5.00	
Ammonia		N	UG/L	No Value	No Value	No Value	773 B	545 J	411 B	284 B	538 B	433 J	603 B	
Boron		Y	UG/L			4000	268	228	239	219	235	200	209	
Chloride		N	UG/L		250000		2600000	2770000	2930000	2800000	2670000	1990000	1940000	
Fluoride	16984-48-8	N	UG/L	4000			1120	1010 J	1010	1010	948	1420 J	1360	
Sulfate		N	UG/L		250000		<10000	14200 J	16900 J	<10000	<10000	18000 J	12300	
Carbon		N	UG/L	No Value	No Value	No Value	2820 B	1080	2780 B	2990 J	3700	1290	3230 B	
Other Parameters														
Arsenic	7440-38-2	Y	UG/L	10			9.34	6.83	7.24 J	9.23	7.5	14.4	9.39	
Selenium	7782-49-2	Y	UG/L	50			20.6 B	22.2	28.4	<2.50	18.3 B	26.6	23.1	
Thallium	7440-28-0	Y	UG/L	2			<0.100	0.110 B	<0.100	<0.100	<0.100	0.107 B	<0.100	

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Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-19B	MW-19B	MW-19B	MW-20B	MW-20B	MW-20B	MW-20B	
							Date Sampled	11/17/2016	06/05/2017	12/06/2017	02/29/2016	08/19/2016	06/05/2017	12/06/2017	
							Purpose	FS	FS	FS	FS	FS	FS	FS	
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result		
SSI															
PFOA		N	UG/L		0.070		0.011	0.011	0.011	0.03	0.038	0.032 J	0.029		
Aluminum		Y	UG/L		200		<100	<100	<100	<100	<100	<100	196 J		
Antimony		Y	UG/L	6			<1.25	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50		
Nitrate	14797-55-8	N	UG/L	10000			132 J	<25.0	<25.0	<25.0	117 B	31.0 B	45.0 J		
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		
Ammonia		N	UG/L	No Value	No Value	No Value	1240	481 B	1020 B	121 B	240 B	92.6 B	455 B		
Boron		Y	UG/L			4000	196	193	210	228	242	234	244		
Chloride		N	UG/L		250000		1840000	1860000	1790000	469000	479000	474000	480000		
Fluoride	16984-48-8	N	UG/L	4000				1390	1320	2960 J	2470	2650	2460		
Sulfate		N	UG/L		250000		6740 J	12100	11000	25500	23600	28800	28100		
Carbon		N	UG/L	No Value	No Value	No Value	2920	3080 J	3660	3490	25500 J	6790 J	14700		
Other Parameters															
Arsenic	7440-38-2	Y	UG/L	10			28.7	12.2	12.1	16.4	14.7	12.7	13.1		
Selenium	7782-49-2	Y	UG/L	50			<25.0	<2.50	9.30 B	9.04	8.07 J	<2.50	<2.50 UJ		
Thallium	7440-28-0	Y	UG/L	2			<0.250	<0.100	<0.100	0.273 B	0.21	<0.100	<0.100		

47CSR12 - Requirements Governing Groundwater Standards
 Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
 GWPS - Groundwater Protection Standard
 MCL - Maximum Contaminant Level as listed in EPA 816-F-09-004, MAY 2009
 RSL - EPA Regional Screening Level for tap water (November 2017 update)
 RSLs are based on an excess cancer risk of 1x10⁻⁶ and a hazard quotient of 1

SSI - Statistically Significant Increase Above Background
 UG/L - micrograms per liter
 J - estimated value
 B - detected in associated laboratory or field blank

Yellow shading indicates an exceedances of the GWPS

**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-21A	MW-21A	MW-21A	MW-21A	MW-21A	MW-21A	MW-21A	
							Date Sampled	03/01/2016	03/01/2016	08/19/2016	08/19/2016	06/07/2017	06/07/2017	12/07/2017	
							Purpose	DUP	FS	DUP	FS	DUP	FS	DUP	
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result		
SSI															
PFOA		N	UG/L		0.070		0.22	0.22	0.24	0.24		0.22 J			
Aluminum		Y	UG/L		200		<100	<100	<100	<100	<100	<100	<100	<100	<100
Antimony		Y	UG/L	6			<0.500	<0.500	<0.500	<0.500	0.674 J	<0.500	<2.50	<2.50	<2.50
Nitrate	14797-55-8	N	UG/L	10000			106 J	103 J	135 J	123 J	<25.0	<25.0	<25.0	<25.0	<25.0
Nitrite	14797-65-0	N	UG/L	1000			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Ammonia		N	UG/L	No Value	No Value	No Value	109 J	86.9 J	89.9 J	92.1 J	65.3 J	<50.0 UJ	126 B		
Boron		Y	UG/L			4000	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Chloride		N	UG/L		250000		1910 J	2420	1420 J	1550 J	1580 J	1660 J	1660 J	1950 J	1950 J
Fluoride	16984-48-8	N	UG/L	4000			<50.0	<50.0	56.2 J	62.1 J	86.6 J	85.8 J	<50.0	<50.0	<50.0
Sulfate		N	UG/L		250000		30400	30400	27900	27700	28800	28800	28800	28800	27800
Carbon		N	UG/L	No Value	No Value	No Value	2670 J	1560 J	5810 J	6120 J	3610 J	2550 J	2310 B		
<i>Other Parameters</i>															
Arsenic	7440-38-2	Y	UG/L	10			<0.500	<0.500	1.06	0.542 J	<1.25	<1.25	<1.25	<1.25	<1.25
Selenium	7782-49-2	Y	UG/L	50			<0.500	<0.500	3.52 J	0.528 J	<0.500	0.848 J	<0.500	<0.500	<0.500
Thallium	7440-28-0	Y	UG/L	2			<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

47CSR12 - Requirements Governing Groundwater Standards
 Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
 GWPS - Groundwater Protection Standard
 MCL - Maximum Contaminant Level as listed in EPA 816-F-09-004, MAY 2009
 RSL - EPA Regional Screening Level for tap water (November 2017 update)
 RSLs are based on an excess cancer risk of 1x10⁻⁶ and a hazard quotient of 1

SSI - Statistically Significant Increase Above Background
 UG/L - micrograms per liter
 J - estimated value
 B - detected in associated laboratory or field blank

Yellow shading indicates an exceedances of the GWPS

**Table 4.7
Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	47CSR12 GWPS	Federal MCL, Secondary MCL or Health Advisory	EPA RSL Tap Water	Location ID	MW-21A
							Date Sampled	12/07/2017
							Purpose	FS
							Report Result	
SSI/								
PFOA		N	UG/L		0.070			0.24
Aluminum		Y	UG/L		200			<100
Antimony		Y	UG/L	6				3.27 J
Nitrate	14797-55-8	N	UG/L	10000				<25.0
Nitrite	14797-65-0	N	UG/L	1000				<5.00
Ammonia		N	UG/L	No Value	No Value	No Value		52.4 B
Boron		Y	UG/L			4000		<50.0
Chloride		N	UG/L		250000			1490 J
Fluoride	16984-48-8	N	UG/L	4000				<50.0
Sulfate		N	UG/L		250000			28100
Carbon		N	UG/L	No Value	No Value	No Value		2550 B
<i>Other Parameters</i>								
Arsenic	7440-38-2	Y	UG/L	10				<1.25
Selenium	7782-49-2	Y	UG/L	50				<0.500
Thallium	7440-28-0	Y	UG/L	2				<0.100

47CSR12 - Requirements Governing Groundwater Standards
 Comparison of Statistically Significant Increases Above Background to Groundwater Protection Standards
 GWPS - Groundwater Protection Standard
 MCL - Maximum Contaminant Level as listed in EPA 816-F-09-004, MAY 2009
 RSL - EPA Regional Screening Level for tap water (November 2017 update)
 RSLs are based on an excess cancer risk of 1x10⁻⁶ and a hazard quotient of 1

SSI - Statistically Significant Increase Above Background
 UG/L - micrograms per liter
 J - estimated value
 B - detected in associated laboratory or field blank

Yellow shading indicates an exceedance of the GWPS

Table 4.8
Summary of Phase II Assessment Monitoring Detections
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Phase II Parameter	CAS No.	Filtered	Report Units	47CSR12 GWPS	EPA RSL Tap Water	Location ID	MW-12	MW-12	MW-13	MW-13	MW-14	MW-14
						Date Sampled	06/06/2017	12/07/2017	06/06/2017	12/07/2017	06/07/2017	12/04/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
						Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
1,1,1-Trichloroethane	71-55-6	N	UG/L		200		<0.250		<0.250		<0.250	<0.250 UJ
Acetone	67-64-1	N	UG/L		14000		<2.50		<2.50		3.05 B	<2.50 UJ
Benzene	71-43-2	N	UG/L	5			<0.125		<0.125		<0.125	0.180 J
Ethyl Chloride	75-00-3	N	UG/L		21000		<0.500		<0.500		<0.500	<0.500 UJ
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L	6				<2.55		<2.58		<2.55
Vanadium	7440-62-2	N	UG/L		86		<5.00	<5.00	7.95 J	8.83 J	<5.00	<5.00
Cresol	1319-77-3	N	UG/L		1500			<2.55		<2.58		<2.55

47CSR12 - Requirements Governing Groundwater Standards

GWPS - Groundwater Protection Standard

RSL - EPA Regional Screening Level for tap water (November 2017 update)

RSLs are based on an excess cancer risk of 1×10^{-6} and a hazard quotient of 1

UG/L - micrograms per liter

J - estimated value

B - detected in associated laboratory or field blank

Table 4.8
Summary of Phase II Assessment Monitoring Detections
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Phase II Parameter	CAS No.	Filtered	Report Units	47CSR12 GWPS	EPA RSL Tap Water	Location ID	MW-15	MW-15	MW-16B	MW-16B	MW-17B	MW-17B
						Date Sampled	06/07/2017	12/05/2017	06/05/2017	12/06/2017	11/17/2016	06/05/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
						Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
1,1,1-Trichloroethane	71-55-6	N	UG/L		200		<0.250	<0.250 UJ	1.79	0.620 J	<0.250	<0.250
Acetone	67-64-1	N	UG/L		14000		<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Benzene	71-43-2	N	UG/L	5			<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
Ethyl Chloride	75-00-3	N	UG/L		21000		<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L	6				4.54 J		<2.55	<2.58	
Vanadium	7440-62-2	N	UG/L		86		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Cresol	1319-77-3	N	UG/L		1500			<2.55		<2.55	<2.58	

47CSR12 - Requirements Governing Groundwater Standards

GWPS - Groundwater Protection Standard

RSL - EPA Regional Screening Level for tap water (November 2017 update)

RSLs are based on an excess cancer risk of 1×10^{-6} and a hazard quotient of 1

UG/L - micrograms per liter

J - estimated value

B - detected in associated laboratory or field blank

Table 4.8
Summary of Phase II Assessment Monitoring Detections
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Phase II Parameter	CAS No.	Filtered	Report Units	47CSR12 GWPS	EPA RSL Tap Water	Location ID	MW-17B	MW-18B	MW-18B	MW-19B	MW-19B	MW-19B
						Date Sampled	12/06/2017	06/05/2017	12/06/2017	11/17/2016	06/05/2017	12/06/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
						Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
1,1,1-Trichloroethane	71-55-6	N	UG/L		200		<0.250	2.07	0.931 J	<0.250	<0.250	<0.250
Acetone	67-64-1	N	UG/L		14000		<2.50	<2.50	<2.50	<2.50	4.97 B	<2.50
Benzene	71-43-2	N	UG/L	5			<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
Ethyl Chloride	75-00-3	N	UG/L		21000		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L	6			<2.55		<2.55	<2.55		<2.55
Vanadium	7440-62-2	N	UG/L		86		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Cresol	1319-77-3	N	UG/L		1500		<2.55		<2.55	<2.55		<2.55

47CSR12 - Requirements Governing Groundwater Standards

GWPS - Groundwater Protection Standard

RSL - EPA Regional Screening Level for tap water (November 2017 update)

RSLs are based on an excess cancer risk of 1×10^{-6} and a hazard quotient of 1

UG/L - micrograms per liter

J - estimated value

B - detected in associated laboratory or field blank

Table 4.8
Summary of Phase II Assessment Monitoring Detections
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Phase II Parameter	CAS No.	Filtered	Report Units	47CSR12 GWPS	EPA RSL Tap Water	Location ID	MW-20B	MW-20B
						Date Sampled	06/05/2017	12/06/2017
						Sample Purpose	FS	FS
							Report Result	Report Result
1,1,1-Trichloroethane	71-55-6	N	UG/L		200		<0.250	<0.250
Acetone	67-64-1	N	UG/L		14000		<2.50	<2.50
Benzene	71-43-2	N	UG/L	5			<0.125	<0.125
Ethyl Chloride	75-00-3	N	UG/L		21000		<0.500	1.37
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L	6				<2.58
Vanadium	7440-62-2	N	UG/L		86		<5.00	<5.00
Cresol	1319-77-3	N	UG/L		1500			3.47 J

47CSR12 - Requirements Governing Groundwater Standards

GWPS - Groundwater Protection Standard

RSL - EPA Regional Screening Level for tap water (November 2017 update)

RSLs are based on an excess cancer risk of 1×10^{-6} and a hazard quotient of 1

UG/L - micrograms per liter

J - estimated value

B - detected in associated laboratory or field blank

**Table 5.1
Site-Specific Surface Water Screening Level for Recreational Land Use
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

**Site-specific
Recreator Equation Inputs for Surface Water**

* Inputted values different from Recreator defaults are highlighted.

Variable	Value	Notes
BW ₀₋₂ (body weight) kg	15	
BW ₂₋₆ (body weight) kg	15	
BW ₆₋₁₆ (body weight) kg	80	
BW ₁₆₋₃₀ (body weight) kg	80	
BW _a (body weight - adult) kg	80	
BW _{rec-a} (body weight - adult) kg	80	
ED _{rec} (exposure duration - recreator) years	26	
ED ₀₋₂ (exposure duration) years	2	
ED ₂₋₆ (exposure duration) years	4	
ED ₆₋₁₆ (exposure duration) years	10	
ED ₁₆₋₃₀ (exposure duration) years	10	
ED _{rec-a} (exposure duration - adult) years	20	
EF _{rec-w} (exposure frequency) days/year	12	Swimming or wading based on EPA-recommended 95th percentile swimming time (16-64 yr) of 181 min/event, 1 day/mon (EPA, 2011 Table ES-1)
EF ₀₋₂ (exposure frequency) days/year	12	
EF ₂₋₆ (exposure frequency) days/year	12	
EF ₆₋₁₆ (exposure frequency) days/year	12	
EF ₁₆₋₃₀ (exposure frequency) days/year	12	
EF _{rec-a} (adult exposure frequency) days/year	12	
ET ₀₋₂ (exposure time) hours/event	3	
ET ₂₋₆ (exposure time) hours/event	3	
ET ₆₋₁₆ (exposure time) hours/event	3	
ET ₁₆₋₃₀ (exposure time) hours/event	3	
ET _{rec-a} (adult exposure time) hours/event	3	
EV ₀₋₂ (events) events/day	1	
EV ₂₋₆ (events) events/day	1	
EV ₆₋₁₆ (events) events/day	1	
EV ₁₆₋₃₀ (events) events/day	1	
EV _{rec-a} (adult) events/day	1	

**Table 5.1
Site-Specific Surface Water Screening Level for Recreational Land Use
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Site-specific Recreator Equation Inputs for Surface Water

* Inputted values different from Recreator defaults are highlighted.

Variable	Value	Notes
THQ (target hazard quotient) unitless	1	
IRW ₀₋₂ (water intake rate) L/hour	0.12	
IRW ₂₋₆ (water intake rate) L/hour	0.12	
IRW ₆₋₁₆ (water intake rate) L/hour	0.071	
IRW ₁₆₋₃₀ (water intake rate) L/hour	0.071	
IRW _{rec} (water intake rate - adult) L/day	0.071	
IRW _{rec-a} (water intake rate - adult) L/hr	0.071	
LT (lifetime - recreator) years	70	
SA ₀₋₂ (skin surface area) cm ²	6365	
SA ₂₋₆ (skin surface area) cm ²	6365	
SA ₆₋₁₆ (skin surface area) cm ²	19652	
SA ₁₆₋₃₀ (skin surface area) cm ²	19652	
SA _{rec} (skin surface area - adult) cm ²	19652	
SA _{rec-a} (skin surface area - adult) cm ²	19652	
Apparent thickness of stratum corneum (cm)	0.001	
TR (target risk) unitless	0.000001	

Output generated 08MAY2018:12:22:54

Indicates Site-Specific Value, Other Values are EPA Default

**Table 5.1
Site-Specific Surface Water Screening Level for Recreational Land Use
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

**Site-specific
Recreator Screening Levels (RSL) for Surface Water**
Key: D = DWSHA; n = noncancer

Chemical	CAS Number	Mutagen?	Volatile?	Chemical Type	Ingestion SF (mg/kg-day) ⁻¹	SFO Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m ³)	RfC Ref	RAGSe GIABS (unitless)	K _p (cm/hr)	MW	FA (unitless)	In EPD?	DA _{event} (ca)	DA _{event} (nc child)	DA _{event} (nc adult)
Perfluorooctanoic acid (PFOA)	335-67-1	No	No	Organics	7.00E-02	D	2.00E-05	D	-		1	-	414.07	0	No	-	-	-

Output generated 08MAY2018:12:22:54

Chemical	CAS Number	Ingestion SL TR=1E-06 (ug/L)	Dermal SL TR=1E-06 (ug/L)	Carcinogenic SL TR=1E-06 (ug/L)	Ingestion SL (Child) THQ=1 (ug/L)	Dermal SL (Child) THQ=1 (ug/L)	Noncarcinogenic SL (Child) THQ=1 (ug/L)	Ingestion SL (Adult) THQ=1 (ug/L)	Dermal SL (Adult) THQ=1 (ug/L)	Noncarcinogenic SL (Adult) THQ=1 (ug/L)	Screening Level (ug/L)
Perfluorooctanoic acid (PFOA)	335-67-1	1.54E+02	-	1.54E+02	2.53E+01	-	2.53E+01	2.28E+02	-	2.28E+02	2.53E+01 nc

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-1	SS-1	SS-1	SS-1	SS-1	SS-1	SS-1	SS-1	
					Date Sampled	01/27/2016	02/08/2016	03/02/2016	04/12/2016	05/10/2016	06/02/2016	12/07/2016	01/19/2017	02/21/2017
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		0.36	0.4	0.33	0.48	0.63	0.59	0.25	0.27	0.27

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-1	SS-1	SS-1	SS-1	SS-1	SS-1	SS-1	SS-1	SS-1
					Date Sampled	03/28/2017	04/13/2017	06/26/2017	07/11/2017	11/08/2017	12/20/2017	01/30/2018	02/23/2018	03/14/2018
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		0.38	0.41	0.5 J	0.38	0.28	0.22	0.24	0.26	0.25

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	
					Date Sampled	01/15/2013	02/08/2013	03/04/2013	04/03/2013	05/30/2013	06/17/2013	07/02/2013	08/22/2013	09/12/2013
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		0.17	0.33	0.19	0.35	0.25	0.088	0.12	0.091	0.09

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2
					Date Sampled	10/02/2013	11/18/2013	12/09/2013	01/20/2014	02/10/2014	03/24/2014	04/17/2014	05/12/2014	06/30/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		0.091	0.14	1.1	0.37	1.2	0.084	0.30	0.43	0.15

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	
					Date Sampled	07/14/2014	08/19/2014	09/18/2014	10/15/2014	11/06/2014	12/03/2014	01/22/2015	02/24/2015	03/19/2015
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		0.41	0.16	0.59	0.27	0.064	0.38	0.043	0.12	0.12

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	
					Date Sampled	04/16/2015	05/19/2015	06/16/2015	07/23/2015	08/13/2015	09/23/2015	10/20/2015	11/10/2015	12/15/2015	
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		0.52	0.036	0.048	0.05	0.034	0.046	0.048	0.2	0.13	

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2
					Date Sampled	01/27/2016	02/08/2016	03/02/2016	04/12/2016	05/10/2016	06/02/2016	07/12/2016	08/16/2016	09/14/2016
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		0.19	0.15	0.42	0.22	0.11	0.25	0.084	0.061	0.078

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2
					Date Sampled	10/27/2016	11/17/2016	12/07/2016	01/19/2017	02/21/2017	03/28/2017	04/13/2017	05/30/2017	06/26/2017
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		<0.0050	<0.0050	0.14	0.5	0.021	0.41	0.36	0.063	0.061 J

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

Table 5.2
Comparison of Surface Water PFOA Data to Screening Levels
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Analyte	Filtered	Units	Site-Specific Recreational Screening Level	West Virginia Advisory Level Protective of Aquatic Life	Location ID	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2	SS-2
					Date Sampled	07/11/2017	08/02/2017	11/08/2017	12/20/2017	01/30/2018	02/23/2018	03/14/2018
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
					Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
PFOA	N	UG/L	25	1360		1	0.055	0.16	0.2	0.053	0.3	0.19

Bold text indicates a detection

Yellow shading indicates detection above screening criteria

UG/L - micrograms per liter

**Table 5.3
Groundwater-to-Surface-Water Discharge Evaluation
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Analyte	CAS No.	Filtered	Report Units	No. of Samples ¹	No. of Detects	Minimum Detect	Maximum Detect	47CSR2		Screening Criteria (SC) ²	No. of Exceeds Above SC
								Aquatic Life	Human Health		
								Category B2	Category C		
Arsenic	7440-38-2	Y	UG/L	54	31	0.505	28.7	Chronic	Fish Consumption	100	0

Footnotes:

1 - Permit-required monitoring wells (MW-6A, MW-12, MW-12A, MW-12B, MW-13, MW-13B, MW-14, MW-15, MW-16B, MW-17B, MW-18B, MW-19B, MW-20B and MW-21A). Time Period: March 2016 - I

2 - Screening value is 10 times lowest WQS protective of human health and aquatic life

Notes:

47CSR2 - Requirements Governing Water Quality Standards

UG/L - micrograms per liter

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-12	MW-13	MW-15	MW-16B
						Date Sampled	11/17/2016	11/17/2016	06/06/2017	06/06/2017	06/07/2017	06/05/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L	12	0				<0.250	<0.250	<0.250	<0.250
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
1,1,2-Trichloroethane	79-00-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
1,1-Dichloroethane	75-34-3	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
1,1-Dichloroethene	75-35-4	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
1,1-Dichloropropene	563-58-6	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
1,2,3-Trichloropropane	96-18-4	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L	14	0		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
1,2-Dichlorobenzene	95-50-1	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
1,2-Dichloroethane	107-06-2	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
1,2-Dichloropropane	78-87-5	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
1,3-Dichlorobenzene	541-73-1	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
1,3-Dichloropropane	142-28-9	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
1,4-Dichlorobenzene	106-46-7	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
2,2-Dichloropropane	594-20-7	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
2-Hexanone	591-78-6	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Acetone	67-64-1	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Acetonitrile	75-05-8	N	UG/L	14	0		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Acrolein	107-02-8	N	UG/L	14	0		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Acrylonitrile	107-13-1	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Allyl Chloride	107-05-1	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Benzene	71-43-2	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
Bromochloromethane	74-97-5	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
Bromoform	75-25-2	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Carbon Disulfide	75-15-0	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Carbon Tetrachloride	56-23-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Chlorobenzene	108-90-7	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
Chlorodibromomethane	124-48-1	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Chloroform	67-66-3	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
Chloroprene	126-99-8	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
cis-1,2 Dichloroethene	156-59-2	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
cis-1,3-Dichloropropene	10061-01-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Dichlorodifluoromethane	75-71-8	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Ethylbenzene	100-41-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Iodomethane	74-88-4	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Isobutyl Alcohol	78-83-1	N	UG/L	14	0		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Methacrylonitrile	126-98-7	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Methyl Bromide	74-83-9	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Methyl Chloride	74-87-3	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-12	MW-13	MW-15	MW-16B
						Date Sampled	11/17/2016	11/17/2016	06/06/2017	06/06/2017	06/07/2017	06/05/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Methyl Ethyl Ketone	78-93-3	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Methyl Isobutyl Ketone	108-10-1	N	UG/L	7	0		<2.58	<2.55				
Methyl Methacrylate	80-62-6	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Methylene Bromide	74-95-3	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Methylene Chloride	75-09-2	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Naphthalene	91-20-3	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
Propionitrile	107-12-0	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Styrene	100-42-5	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
Tetrachloroethene	127-18-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Toluene	108-88-3	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
trans-1,2-Dichloroethene	156-60-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
trans-1,3-Dichloropropene	10061-02-6	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Trichloroethene	79-01-6	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Trichlorofluoromethane	75-69-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Vinyl Acetate	108-05-4	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	75-01-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
Xylenes	1330-20-7	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L	7	0		<2.58	<2.55				
1,2,4-Trichlorobenzene	120-82-1	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
1,3,5-Trinitrobenzene	99-35-4	N	UG/L	7	0		<2.58	<2.55				
1,3-Dinitrobenzene	99-65-0	N	UG/L	7	0		<2.58	<2.55				
1,4-Naphthoquinone	130-15-4	N	UG/L	7	0		<2.58	<2.55				
1-Naphthylamine	134-32-7	N	UG/L	7	0		<2.58	<2.55				
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L	7	0		<2.58	<2.55				
2,4,5-Trichlorophenol	95-95-4	N	UG/L	7	0		<2.58	<2.55				
2,4,6-Trichlorophenol	88-06-2	N	UG/L	7	0		<2.58	<2.55				
2,4-Dichlorophenol	120-83-2	N	UG/L	7	0		<2.58	<2.55				
2,4-Dimethylphenol	105-67-9	N	UG/L	7	0		<2.58	<2.55				
2,4-Dinitrophenol	51-28-5	N	UG/L	7	0		<12.9	<12.8				
2,4-Dinitrotoluene	121-14-2	N	UG/L	7	0		<2.58	<2.55				
2,6-Dichlorophenol	87-65-0	N	UG/L	7	0		<2.58	<2.55				
2,6-Dinitrotoluene	606-20-2	N	UG/L	7	0		<2.58	<2.55				
2-Acetylaminofluorene	53-96-3	N	UG/L	7	0		<2.58	<2.55				
2-Chloronaphthalene	91-58-7	N	UG/L	7	0		<2.58	<2.55				
2-Chlorophenol	95-57-8	N	UG/L	7	0		<2.58	<2.55				
2-Methylnaphthalene	91-57-6	N	UG/L	7	0		<2.58	<2.55				
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L	7	0		<2.58	<2.55				
2-Naphthylamine	91-59-8	N	UG/L	7	0		<2.58	<2.55				
2-Nitroaniline	88-74-4	N	UG/L	7	0		<12.9	<12.8				

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-12	MW-13	MW-15	MW-16B
						Date Sampled	11/17/2016	11/17/2016	06/06/2017	06/06/2017	06/07/2017	06/05/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
2-Nitrophenol	88-75-5	N	UG/L	7	0		<2.58	<2.55				
3,3'-Dichlorobenzidine	91-94-1	N	UG/L	7	0		<2.58	<2.55				
3,3'-Dimethylbenzidine	119-93-7	N	UG/L	7	0		<10.3	<10.2				
3-Methylcholanthrene	56-49-5	N	UG/L	7	0		<2.58	<2.55				
3-Nitroaniline	99-09-2	N	UG/L	7	0		<12.9	<12.8				
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L	7	0		<12.9	<12.8				
4-Aminobiphenyl	92-67-1	N	UG/L	7	0		<2.58	<2.55				
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L	7	0		<2.58	<2.55				
4-Chloro-3-Methylphenol	59-50-7	N	UG/L	7	0		<2.58	<2.55				
4-Chloroaniline	106-47-8	N	UG/L	7	0		<2.58	<2.55				
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L	7	0		<2.58	<2.55				
4-Dimethylaminoazobenzene	60-11-7	N	UG/L	7	0		<2.58	<2.55				
4-Nitroaniline	100-01-6	N	UG/L	7	0		<12.9	<12.8				
4-Nitrophenol	100-02-7	N	UG/L	7	0		<12.9	<12.8				
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L	7	0		<2.58	<2.55				
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L	7	0		<12.9	<12.8				
Acenaphthene	83-32-9	N	UG/L	7	0		<2.58	<2.55				
Acenaphthylene	208-96-8	N	UG/L	7	0		<2.58	<2.55				
Acetophenone	98-86-2	N	UG/L	7	0		<2.58	<2.55				
Anthracene	120-12-7	N	UG/L	7	0		<2.58	<2.55				
Benzo(A)Anthracene	56-55-3	N	UG/L	7	0		<2.58	<2.55				
Benzo(B)Fluoranthene	205-99-2	N	UG/L	7	0		<2.58	<2.55				
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	7	0		<2.58	<2.55				
Benzo(K)Fluoranthene	207-08-9	N	UG/L	7	0		<2.58	<2.55				
Benzo[A]Pyrene	50-32-8	N	UG/L	7	0		<2.58	<2.55				
Benzyl Alcohol	100-51-6	N	UG/L	7	0		<2.58	<2.55				
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L	7	0		<2.58	<2.55				
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L	7	0		<2.58	<2.55				
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L	7	0		<2.58	<2.55				
Butyl Benzyl Phthalate	85-68-7	N	UG/L	7	0		<2.58	<2.55				
Chlorobenzilate	510-15-6	N	UG/L	7	0		<2.58	<2.55				
Chrysene	218-01-9	N	UG/L	7	0		<2.58	<2.55				
Diallate	2303-16-4	N	UG/L	7	0		<12.9	<12.8				
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	7	0		<2.58	<2.55				
Dibenzofuran	132-64-9	N	UG/L	7	0		<2.58	<2.55				
Diethyl Phthalate	84-66-2	N	UG/L	7	0		<2.58	<2.55				
Dimethyl Phthalate	131-11-3	N	UG/L	7	0		<2.58	<2.55				
Di-N-Butyl Phthalate	84-74-2	N	UG/L	7	0		<2.58	<2.55				
Diphenyl Amine	122-39-4	N	UG/L	7	0		<2.58	<2.55				
Famphur	52-85-7	N	UG/L	2	0		<1.6 UJ	<1.6 UJ				

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-12	MW-13	MW-15	MW-16B
						Date Sampled	11/17/2016	11/17/2016	06/06/2017	06/06/2017	06/07/2017	06/05/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Fluoranthene	206-44-0	N	UG/L	7	0		<2.58	<2.55				
Fluorene	86-73-7	N	UG/L	7	0		<2.58	<2.55				
Hexachlorobenzene	118-74-1	N	UG/L	7	0		<2.58	<2.55				
Hexachlorobutadiene	87-68-3	N	UG/L	7	0		<2.58	<2.55				
Hexachlorocyclopentadiene	77-47-4	N	UG/L	7	0		<5.15	<5.10				
Hexachloroethane	67-72-1	N	UG/L	7	0		<2.58	<2.55				
Hexachloropropylene	1888-71-7	N	UG/L	7	0		<2.58	<2.55				
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	7	0		<2.58	<2.55				
Isodrin	465-73-6	N	UG/L	7	0		<2.58	<2.55				
Isophorone	78-59-1	N	UG/L	7	0		<2.58	<2.55				
Kepone	143-50-0	N	UG/L	7	0		<20.6	<20.4				
Methapyrilene	91-80-5	N	UG/L	7	0		<12.9	<12.8				
Methyl Methanesulfonate	66-27-3	N	UG/L	7	0		<2.58	<2.55				
N-Dioctyl Phthalate	117-84-0	N	UG/L	7	0		<2.58	<2.55				
Nitrobenzene	98-95-3	N	UG/L	7	0		<2.58	<2.55				
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L	7	0		<2.58	<2.55				
N-Nitrosodiethylamine	55-18-5	N	UG/L	7	0		<2.58	<2.55				
N-Nitrosodimethylamine	62-75-9	N	UG/L	7	0		<2.58	<2.55				
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L	7	0		<2.58	<2.55				
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L	7	0		<2.58	<2.55				
N-Nitrosodiphenylamine	86-30-6	N	UG/L	7	0		<2.58	<2.55				
N-Nitrosomorpholine	59-89-2	N	UG/L	7	0		<2.58	<2.55				
N-Nitrosopiperidine	100-75-4	N	UG/L	7	0		<2.58	<2.55				
N-Nitrosopyrrolidine	930-55-2	N	UG/L	7	0		<2.58	<2.55				
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L	7	0		<2.58	<2.55				
O-Toluidine	95-53-4	N	UG/L	7	0		<2.58	<2.55				
para-Phenylenediamine	106-50-3	N	UG/L	7	0		<51.5	<51.0				
Parathion	56-38-2	N	UG/L	2	0		<1.6 UJ	<1.6 UJ				
Pentachlorobenzene	608-93-5	N	UG/L	7	0		<2.58	<2.55				
Pentachloronitrobenzene	82-68-8	N	UG/L	7	0		<2.58	<2.55				
Pentachlorophenol	87-86-5	N	UG/L	7	0		<0.100	<0.100				
Phenacetin	62-44-2	N	UG/L	7	0		<2.58	<2.55				
Phenanthrene	85-01-8	N	UG/L	7	0		<2.58	<2.55				
Phenol	108-95-2	N	UG/L	7	0		<2.58	<2.55				
Pyrene	129-00-0	N	UG/L	7	0		<2.58	<2.55				
Safrole	94-59-7	N	UG/L	7	0		<2.58	<2.55				
Thionazin	297-97-2	N	UG/L	7	0		<2.58	<2.55				
4,4'-DDD	72-54-8	N	UG/L	7	0		<0.0109	<0.0100				
4,4'-DDE	72-55-9	N	UG/L	7	0		<0.0109	<0.0100				
4,4'-DDT	50-29-3	N	UG/L	7	0		<0.0109	<0.0100				

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-12	MW-13	MW-15	MW-16B
						Date Sampled	11/17/2016	11/17/2016	06/06/2017	06/06/2017	06/07/2017	06/05/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Aldrin	309-00-2	N	UG/L	7	0		<0.0109	<0.0100				
Alpha-BHC	319-84-6	N	UG/L	7	0		<0.0109	<0.0100				
beta-BHC	319-85-7	N	UG/L	7	0		<0.0109	<0.0100				
Chlordane	57-74-9	N	UG/L	7	0		<0.326	<0.300				
delta-BHC	319-86-8	N	UG/L	7	0		<0.0109	<0.0100				
Dieldrin	60-57-1	N	UG/L	7	0		<0.0109	<0.0100				
Dimethoate	60-51-5	N	UG/L	7	0		<2.58	<2.55				
Disulfoton	298-04-4	N	UG/L	2	0		<1.6 UJ	<1.6 UJ				
Endosulfan I	959-98-8	N	UG/L	7	0		<0.0109	<0.0100				
Endosulfan II	33213-65-9	N	UG/L	7	0		<0.0109	<0.0100				
Endosulfan Sulfate	1031-07-8	N	UG/L	7	0		<0.0109	<0.0100				
Endrin	72-20-8	N	UG/L	7	0		<0.0109	<0.0100				
Endrin Aldehyde	7421-93-4	N	UG/L	7	0		<0.0109	<0.0100				
Endrin Ketone	53494-70-5	N	UG/L	7	0		<0.0109	<0.0100				
Heptachlor	76-44-8	N	UG/L	7	0		<0.0109	<0.0100				
Heptachlor Epoxide	1024-57-3	N	UG/L	7	0		<0.0109	<0.0100				
Lindane	58-89-9	N	UG/L	7	0		<0.0109	<0.0100				
Methoxychlor	72-43-5	N	UG/L	7	0		<0.0109	<0.0100				
Methyl Parathion	298-00-0	N	UG/L	2	0		<1.6 UJ	<1.6 UJ				
Phorate	298-02-2	N	UG/L	2	0		<1.6 UJ	<1.6 UJ				
Toxaphene	8001-35-2	N	UG/L	7	0		<0.326	<0.300				
PCB 1016	12674-11-2	N	UG/L	7	0		<0.272	<0.250				
PCB 1221	11104-28-2	N	UG/L	7	0		<0.272	<0.250				
PCB 1232	11141-16-5	N	UG/L	7	0		<0.272	<0.250				
PCB 1242	53469-21-9	N	UG/L	7	0		<0.272	<0.250				
PCB 1248	12672-29-6	N	UG/L	7	0		<0.272	<0.250				
PCB 1254	11097-69-1	N	UG/L	7	0		<0.272	<0.250				
PCB 1260	11096-82-5	N	UG/L	7	0		<0.272	<0.250				
2,4,5-T	93-76-5	N	UG/L	7	0		<0.100	<0.100				
2,4-Dichlorophenoxyacetic Acid	94-75-7	N	UG/L	7	0		<1.00	<1.00				
Dinoseb	88-85-7	N	UG/L	7	0		<0.500	<0.500				
Pronamide	23950-58-5	N	UG/L	7	0		<2.58	<2.55				
Silvex	93-72-1	N	UG/L	7	0		<0.100	<0.100				
Chromium	7440-47-3	N	UG/L	14	0		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt	7440-48-4	N	UG/L	14	0		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lead	7439-92-1	N	UG/L	14	0		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Mercury	7439-97-6	N	UG/L	14	0		<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Nickel	7440-02-0	N	UG/L	14	0		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Tin	7440-31-5	N	UG/L	14	0		<250	<250	<250	<250	<250	<250

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-20B	MW-15	MW-16B	MW-17B	MW-19B	MW-20B
						Date Sampled	06/05/2017	06/05/2017	06/05/2017	12/05/2017	12/06/2017	12/06/2017	12/06/2017	12/06/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
							Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L	12	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200 UJ	<0.200	<0.200	<0.200	<0.200
1,1,2-Trichloroethane	79-00-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
1,1-Dichloroethane	75-34-3	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
1,1-Dichloroethene	75-35-4	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
1,1-Dichloropropene	563-58-6	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
1,2,3-Trichloropropane	96-18-4	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L	14	0		<1.00	<1.00	<1.00	<1.00 UJ	<1.00	<1.00	<1.00	<1.00
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
1,2-Dichlorobenzene	95-50-1	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
1,2-Dichloroethane	107-06-2	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
1,2-Dichloropropane	78-87-5	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200 UJ	<0.200	<0.200	<0.200	<0.200
1,3-Dichlorobenzene	541-73-1	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
1,3-Dichloropropane	142-28-9	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200 UJ	<0.200	<0.200	<0.200	<0.200
1,4-Dichlorobenzene	106-46-7	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
2,2-Dichloropropane	594-20-7	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
2-Hexanone	591-78-6	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Acetone	67-64-1	N	UG/L	14	0		<2.50	4.97 B	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Acetonitrile	75-05-8	N	UG/L	14	0		<50.0	<50.0	<50.0	<50.0 UJ	<50.0	<50.0	<50.0	<50.0
Acrolein	107-02-8	N	UG/L	14	0		<20.0	<20.0	<20.0	<20.0 UJ	<20.0	<20.0	<20.0	<20.0
Acrylonitrile	107-13-1	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Allyl Chloride	107-05-1	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Benzene	71-43-2	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
Bromochloromethane	74-97-5	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200 UJ	<0.200	<0.200	<0.200	<0.200
Bromoform	75-25-2	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
Carbon Disulfide	75-15-0	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
Carbon Tetrachloride	56-23-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Chlorobenzene	108-90-7	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
Chlorodibromomethane	124-48-1	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Chloroform	67-66-3	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
Chloroprene	126-99-8	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
cis-1,2 Dichloroethene	156-59-2	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
cis-1,3-Dichloropropene	10061-01-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Dichlorodifluoromethane	75-71-8	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Ethylbenzene	100-41-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Iodomethane	74-88-4	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
Isobutyl Alcohol	78-83-1	N	UG/L	14	0		<50.0	<50.0	<50.0	<50.0 UJ	<50.0	<50.0	<50.0	<50.0
Methacrylonitrile	126-98-7	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Methyl Bromide	74-83-9	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
Methyl Chloride	74-87-3	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-20B	MW-15	MW-16B	MW-17B	MW-19B	MW-20B
						Date Sampled	06/05/2017	06/05/2017	06/05/2017	12/05/2017	12/06/2017	12/06/2017	12/06/2017	12/06/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
Methyl Ethyl Ketone	78-93-3	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Methyl Isobutyl Ketone	108-10-1	N	UG/L	7	0					<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Methyl Methacrylate	80-62-6	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Methylene Bromide	74-95-3	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Methylene Chloride	75-09-2	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Naphthalene	91-20-3	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200 UJ	<0.200	<0.200	<0.200	<0.200
Propionitrile	107-12-0	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Styrene	100-42-5	N	UG/L	14	0		<0.125	<0.125	<0.125	<0.125 UJ	<0.125	<0.125	<0.125	<0.125
Tetrachloroethene	127-18-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Toluene	108-88-3	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
trans-1,2-Dichloroethene	156-60-5	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
trans-1,3-Dichloropropene	10061-02-6	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Trichloroethene	79-01-6	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Trichlorofluoromethane	75-69-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Vinyl Acetate	108-05-4	N	UG/L	14	0		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50	<2.50
Vinyl Chloride	75-01-4	N	UG/L	14	0		<0.250	<0.250	<0.250	<0.250 UJ	<0.250	<0.250	<0.250	<0.250
Xylenes	1330-20-7	N	UG/L	14	0		<0.500	<0.500	<0.500	<0.500 UJ	<0.500	<0.500	<0.500	<0.500
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
1,2,4-Trichlorobenzene	120-82-1	N	UG/L	14	0		<0.200	<0.200	<0.200	<0.200 UJ	<0.200	<0.200	<0.200	<0.200
1,3,5-Trinitrobenzene	99-35-4	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
1,3-Dinitrobenzene	99-65-0	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
1,4-Naphthoquinone	130-15-4	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
1-Naphthylamine	134-32-7	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,4,5-Trichlorophenol	95-95-4	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,4,6-Trichlorophenol	88-06-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,4-Dichlorophenol	120-83-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,4-Dimethylphenol	105-67-9	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,4-Dinitrophenol	51-28-5	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9
2,4-Dinitrotoluene	121-14-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,6-Dichlorophenol	87-65-0	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2,6-Dinitrotoluene	606-20-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2-Acetylaminofluorene	53-96-3	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2-Chloronaphthalene	91-58-7	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2-Chlorophenol	95-57-8	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2-Methylnaphthalene	91-57-6	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2-Naphthylamine	91-59-8	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
2-Nitroaniline	88-74-4	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-20B	MW-15	MW-16B	MW-17B	MW-19B	MW-20B
						Date Sampled	06/05/2017	06/05/2017	06/05/2017	12/05/2017	12/06/2017	12/06/2017	12/06/2017	12/06/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
2-Nitrophenol	88-75-5	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
3,3'-Dichlorobenzidine	91-94-1	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
3,3'-Dimethylbenzidine	119-93-7	N	UG/L	7	0					<10.2 UJ	<10.2 UJ	<10.2 UJ	<10.2 UJ	<10.3 UJ
3-Methylcholanthrene	56-49-5	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
3-Nitroaniline	99-09-2	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9
4-Aminobiphenyl	92-67-1	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
4-Chloro-3-Methylphenol	59-50-7	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
4-Chloroaniline	106-47-8	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
4-Dimethylaminoazobenzene	60-11-7	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
4-Nitroaniline	100-01-6	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9
4-Nitrophenol	100-02-7	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9
Acenaphthene	83-32-9	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Acenaphthylene	208-96-8	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Acetophenone	98-86-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Anthracene	120-12-7	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Benzo(A)Anthracene	56-55-3	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Benzo(B)Fluoranthene	205-99-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Benzo(K)Fluoranthene	207-08-9	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Benzo[A]Pyrene	50-32-8	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Benzyl Alcohol	100-51-6	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Butyl Benzyl Phthalate	85-68-7	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Chlorobenzilate	510-15-6	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Chrysene	218-01-9	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Diallate	2303-16-4	N	UG/L	7	0					<12.8	<12.8	<12.8	<12.8	<12.9
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Dibenzofuran	132-64-9	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Diethyl Phthalate	84-66-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Dimethyl Phthalate	131-11-3	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Di-N-Butyl Phthalate	84-74-2	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Diphenyl Amine	122-39-4	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Famphur	52-85-7	N	UG/L	2	0									

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-20B	MW-15	MW-16B	MW-17B	MW-19B	MW-20B
						Date Sampled	06/05/2017	06/05/2017	06/05/2017	12/05/2017	12/06/2017	12/06/2017	12/06/2017	12/06/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Fluoranthene	206-44-0	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Fluorene	86-73-7	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Hexachlorobenzene	118-74-1	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Hexachlorobutadiene	87-68-3	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Hexachlorocyclopentadiene	77-47-4	N	UG/L	7	0				<5.10	<5.10	<5.10	<5.10	<5.10	<5.15
Hexachloroethane	67-72-1	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Hexachloropropylene	1888-71-7	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Isodrin	465-73-6	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Isophorone	78-59-1	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Kepone	143-50-0	N	UG/L	7	0				<20.4	<20.4	<20.4	<20.4	<20.4	<20.6
Methapyrilene	91-80-5	N	UG/L	7	0				<12.8 UJ	<12.8 UJ	<12.8 UJ	<12.8 UJ	<12.8 UJ	<12.9 UJ
Methyl Methanesulfonate	66-27-3	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Dioctyl Phthalate	117-84-0	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Nitrobenzene	98-95-3	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitrosodiethylamine	55-18-5	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitrosodimethylamine	62-75-9	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitrosodiphenylamine	86-30-6	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitrosomorpholine	59-89-2	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitrosopiperidine	100-75-4	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
N-Nitrosopyrrolidine	930-55-2	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
O-Toluidine	95-53-4	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
para-Phenylenediamine	106-50-3	N	UG/L	7	0				<51.0 UJ	<51.0 UJ	<51.0 UJ	<51.0 UJ	<51.0 UJ	<51.5 UJ
Parathion	56-38-2	N	UG/L	2	0									
Pentachlorobenzene	608-93-5	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Pentachloronitrobenzene	82-68-8	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Pentachlorophenol	87-86-5	N	UG/L	7	0				<0.106	<0.104	<0.108	<0.100	<0.100	<0.104
Phenacetin	62-44-2	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Phenanthrene	85-01-8	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Phenol	108-95-2	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Pyrene	129-00-0	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Safrole	94-59-7	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
Thionazin	297-97-2	N	UG/L	7	0				<2.55	<2.55	<2.55	<2.55	<2.55	<2.58
4,4'-DDD	72-54-8	N	UG/L	7	0				<0.0105	<0.0100	<0.0102	<0.0114	<0.0114	<0.0105
4,4'-DDE	72-55-9	N	UG/L	7	0				<0.0105	<0.0100	<0.0102	<0.0114	<0.0114	<0.0105
4,4'-DDT	50-29-3	N	UG/L	7	0				<0.0105	<0.0100	<0.0102	<0.0114	<0.0114	<0.0105

**Table 6.1
Parameters Requested for Removal of Analyses from Phase II Sampling Requirements
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Parameter Code	Filtered	Report Units	No. of Samples	No. of Detects	Location ID	MW-17B	MW-19B	MW-20B	MW-15	MW-16B	MW-17B	MW-19B	MW-20B
						Date Sampled	06/05/2017	06/05/2017	06/05/2017	12/05/2017	12/06/2017	12/06/2017	12/06/2017	12/06/2017
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	
Aldrin	309-00-2	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Alpha-BHC	319-84-6	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
beta-BHC	319-85-7	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Chlordane	57-74-9	N	UG/L	7	0					<0.316	<0.300	<0.306	<0.341	<0.316
delta-BHC	319-86-8	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Dieldrin	60-57-1	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Dimethoate	60-51-5	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Disulfoton	298-04-4	N	UG/L	2	0									
Endosulfan I	959-98-8	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Endosulfan II	33213-65-9	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Endosulfan Sulfate	1031-07-8	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Endrin	72-20-8	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Endrin Aldehyde	7421-93-4	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Endrin Ketone	53494-70-5	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Heptachlor	76-44-8	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Heptachlor Epoxide	1024-57-3	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Lindane	58-89-9	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Methoxychlor	72-43-5	N	UG/L	7	0					<0.0105	<0.0100	<0.0102	<0.0114	<0.0105
Methyl Parathion	298-00-0	N	UG/L	2	0									
Phorate	298-02-2	N	UG/L	2	0									
Toxaphene	8001-35-2	N	UG/L	7	0					<0.316	<0.300	<0.306	<0.341	<0.316
PCB 1016	12674-11-2	N	UG/L	7	0					<0.263	<0.250	<0.255	<0.284 UJ	<0.263
PCB 1221	11104-28-2	N	UG/L	7	0					<0.263	<0.250	<0.255	<0.284 UJ	<0.263
PCB 1232	11141-16-5	N	UG/L	7	0					<0.263	<0.250	<0.255	<0.284 UJ	<0.263
PCB 1242	53469-21-9	N	UG/L	7	0					<0.263	<0.250	<0.255	<0.284 UJ	<0.263
PCB 1248	12672-29-6	N	UG/L	7	0					<0.263	<0.250	<0.255	<0.284 UJ	<0.263
PCB 1254	11097-69-1	N	UG/L	7	0					<0.263	<0.250	<0.255	<0.284 UJ	<0.263
PCB 1260	11096-82-5	N	UG/L	7	0					<0.263	<0.250	<0.255	<0.284 UJ	<0.263
2,4,5-T	93-76-5	N	UG/L	7	0					<0.106	<0.104	<0.108	<0.100	<0.104
2,4-Dichlorophenoxyacetic Acid	94-75-7	N	UG/L	7	0					<1.06	<1.04	<1.08	<1.00	<1.04
Dinoseb	88-85-7	N	UG/L	7	0					<0.532	<0.521	<0.538	<0.500	<0.521
Pronamide	23950-58-5	N	UG/L	7	0					<2.55	<2.55	<2.55	<2.55	<2.58
Silvex	93-72-1	N	UG/L	7	0					<0.106	<0.104	<0.108	<0.100	<0.104
Chromium	7440-47-3	N	UG/L	14	0		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt	7440-48-4	N	UG/L	14	0		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lead	7439-92-1	N	UG/L	14	0		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Mercury	7439-97-6	N	UG/L	14	0		<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Nickel	7440-02-0	N	UG/L	14	0		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Tin	7440-31-5	N	UG/L	14	0		<250	<250	<250	<250	<250	<250	<250	<250
						B - Detected in associated laboratory or field blank, not considered a detection								

Figures



OHIO

MARIETTA

VIENNA

PARKERSBURG

WASHINGTON WORKS SITE

★ DRY RUN LANDFILL

LONG BOTTOM

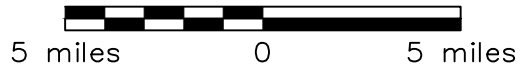
WEST VIRGINIA

SYRACUSE

RAVENSWOOD

OHIO RIVER

S C A L E



FUTURE DATA NEEDS ASSESSMENT REPORT
(DUPONT, 2008) OPPT-2004-0113



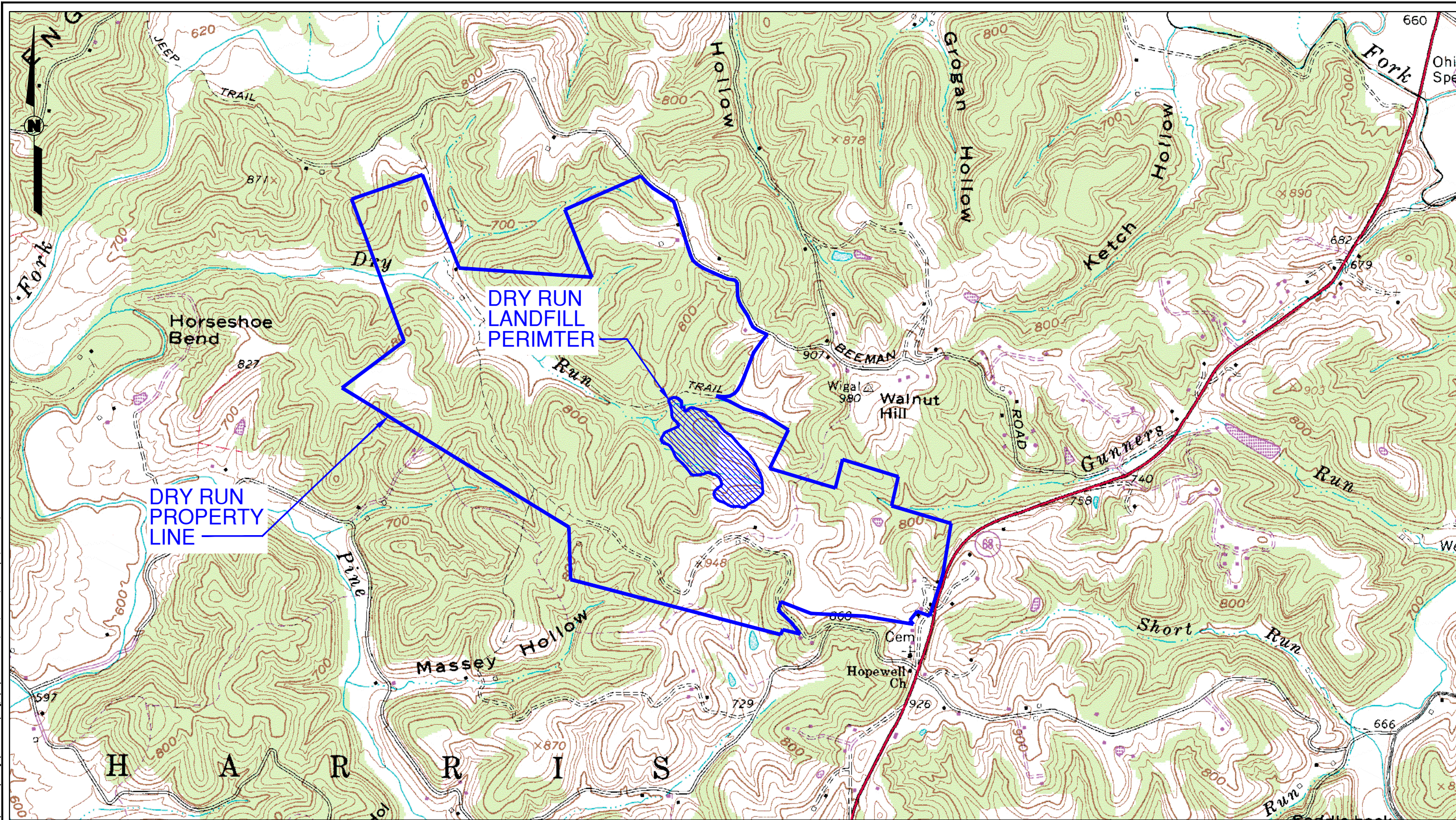
DESIGNED BY: P. CHEN
DRAWN BY: D. LITTEL
DATA QUALITY CHKD: K. DAVIS
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WASHINGTON WORKS SITE AND DRY RUN LANDFILL LOCATION	PROJECT NO. 60541580
	DATE 8/21/17
CHEMOURS WASHINGTON WORKS WASHINGTON, WEST VIRGINIA	FIGURE No. 2.1

I:\Projects\Dupont\Washington Works\60541580\Drawings\Site and DR Landfill Location.dwg, 8/21/2017 4:38 PM, Littel, David E., PDP995.pc3, Letter, 1:1



V:\Projects\Dupont\Washington\Works\60541580\Drawings\Location Map.dwg, 8/21/2017 4:39 PM, Littel, David E., PDP995.pc3, User32767, 1"=0'



Source: MAP TAKEN FROM THE LUBECK, WV USGS QUADRANGLE

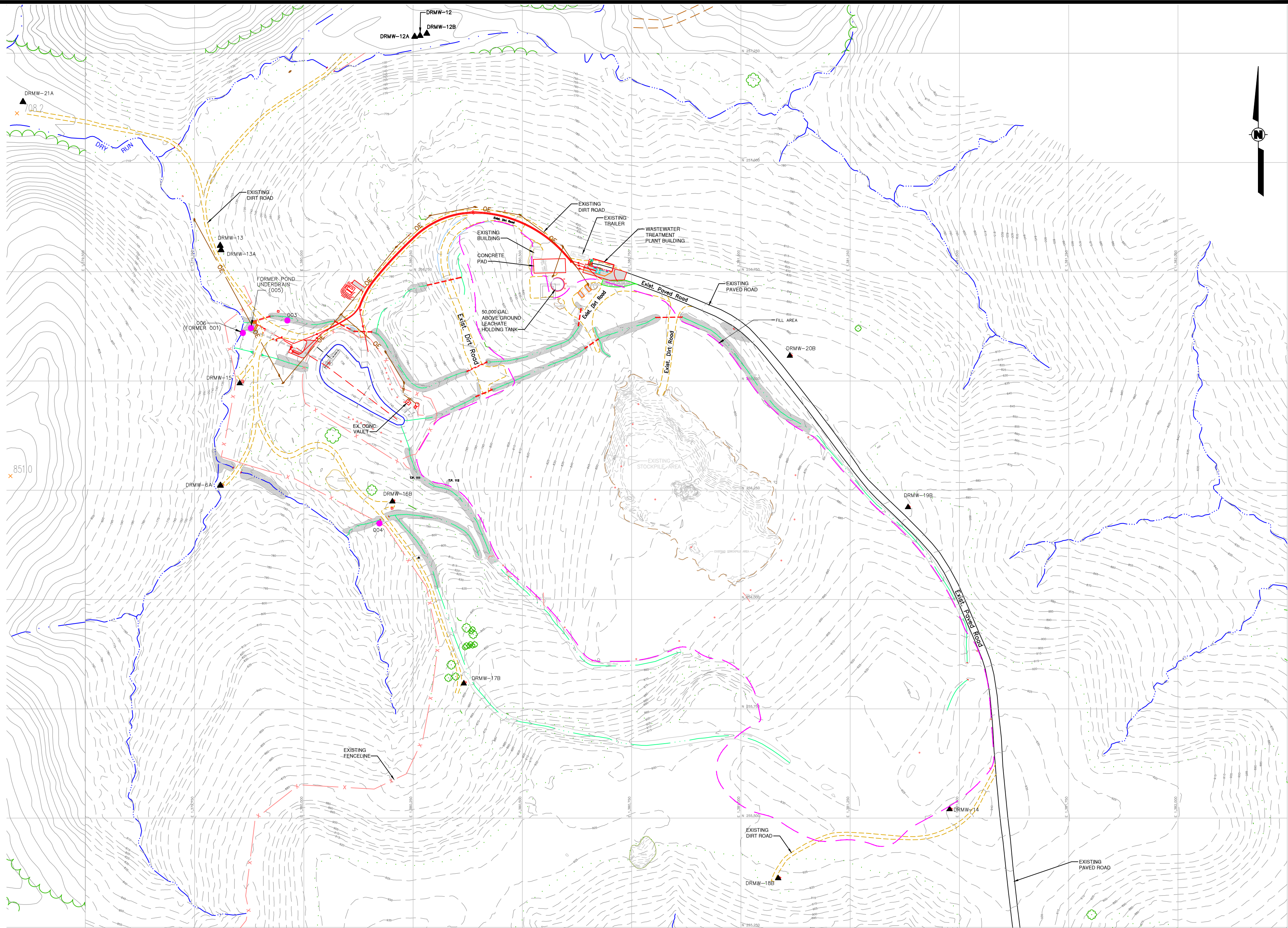


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 K. DAVIS
 DRAWN BY:
 D. LITTEL
 DATA QUALITY CHKD:
 K. DAVIS
 APPROVED BY:

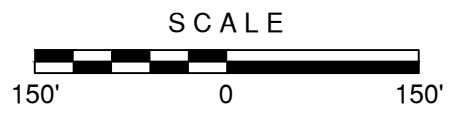
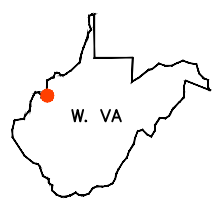
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DRY RUN LANDFILL
 LOCATION MAP
 DRY RUN LANDFILL
 LUBECK, WEST VIRGINIA

PROJECT NO.
 60541580
 DATE
 8/21/17
 FIGURE No:
 2.2



- Legend:**
- DRMW-15 ▲ Monitoring Well
 - 003 ● Outfall Location
 - Fill Area
 - Stormwater Culvert Pipe
 - Stream or Tributary
 - Stream or Tributary
 - Stone Rip-Rap Area



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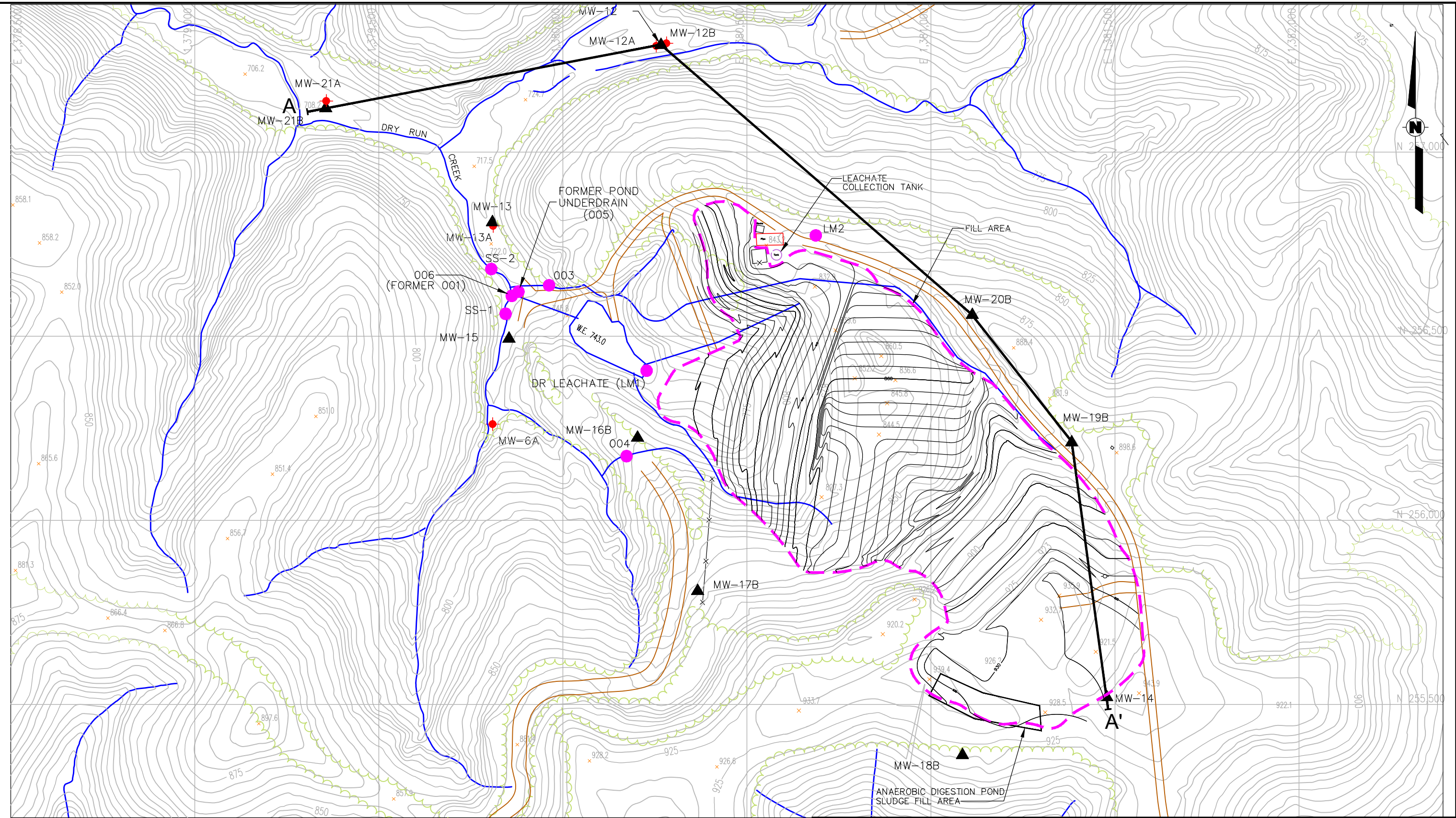
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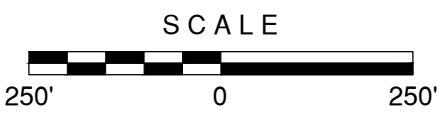
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LEGEND:
▲ OVERBURDEN MONITORING WELL
▲ BEDROCK MONITORING WELL
● SURFACE WATER LOCATION
--- EXTENT OF LANDFILL
--- SURFACE TOPOGRAPHY OF LANDFILL CAP

A—A' CROSS-SECTION LOCATION



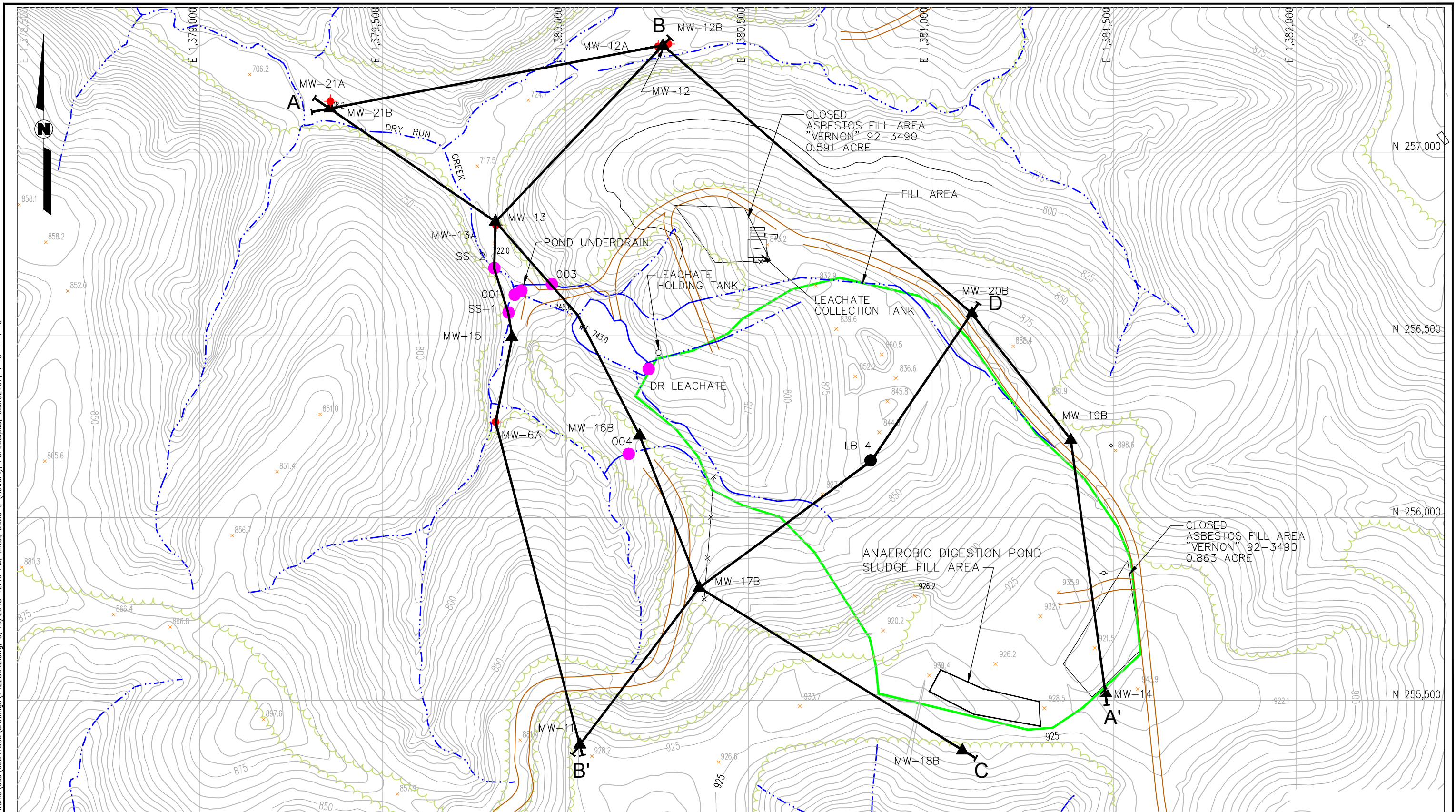
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 DRAWN BY:
D. LITTEL
 DATA QUALITY CHKD:
K. DAVIS
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MONITORING WELL AND SURFACE WATER SAMPLE LOCATION MAP
 DRY RUN LANDFILL
 LUBECK, WEST VIRGINIA

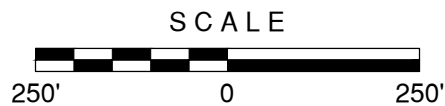
PROJECT NO.
60541580
 DATE
8/21/17
 FIGURE No:
2.4

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- LEGEND:**
- OVER BURDEN MONITOR WELL
 - ▲ BEDROCK MONITOR WELL
 - SURFACE WATER LOCATIONS
 - SOIL BORING LOCATION
 - CREEK
 - CREEK
 - B' — A'** CROSS-SECTION LOCATIONS

DATA ASSESSMENT REPORT (DUPONT, 2008) OPPT-2004-0113



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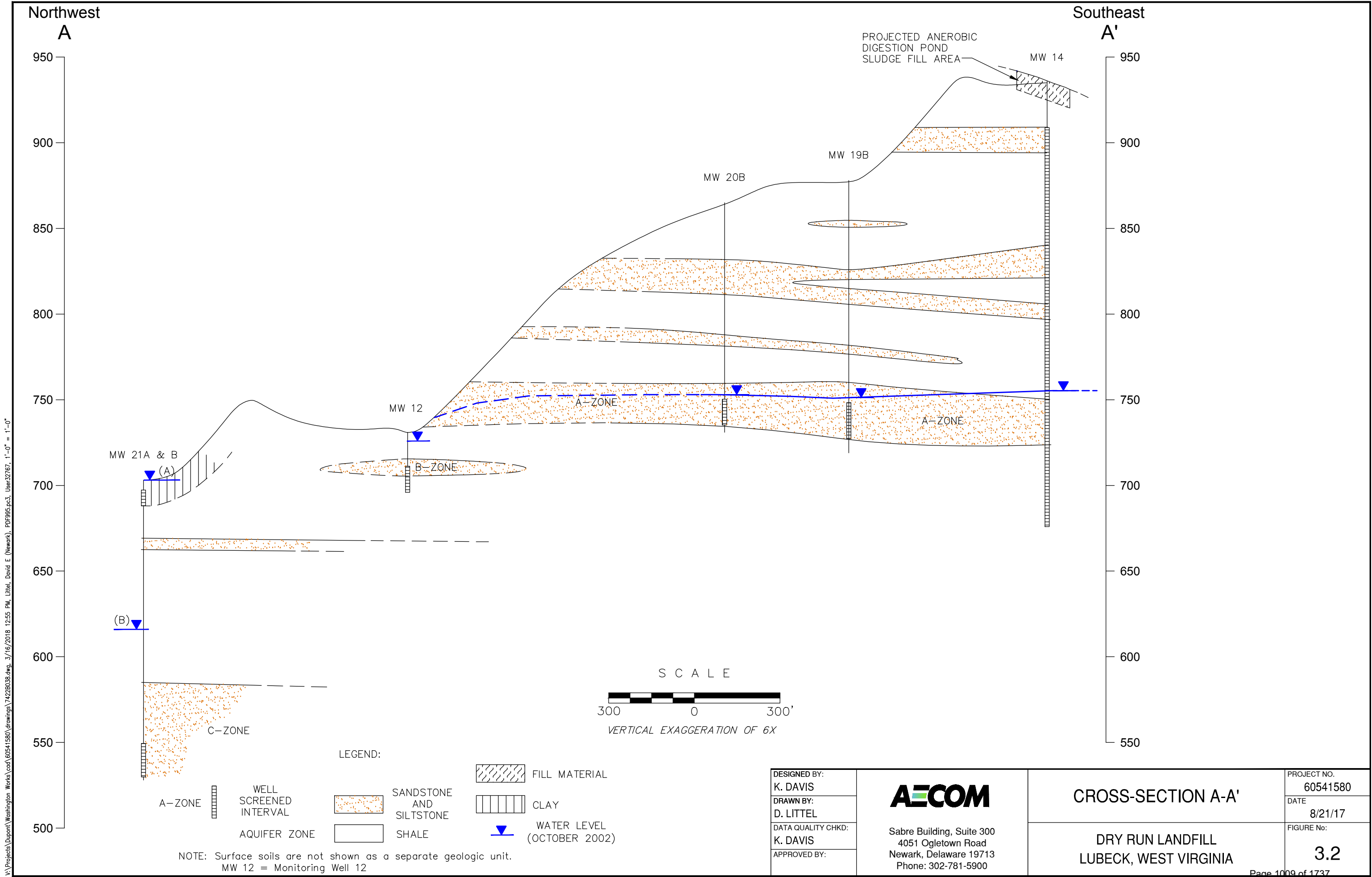
CROSS-SECTION LOCATION MAP

**DRY RUN LANDFILL
LUBECK, WEST VIRGINIA**

PROJECT NO.
60541580

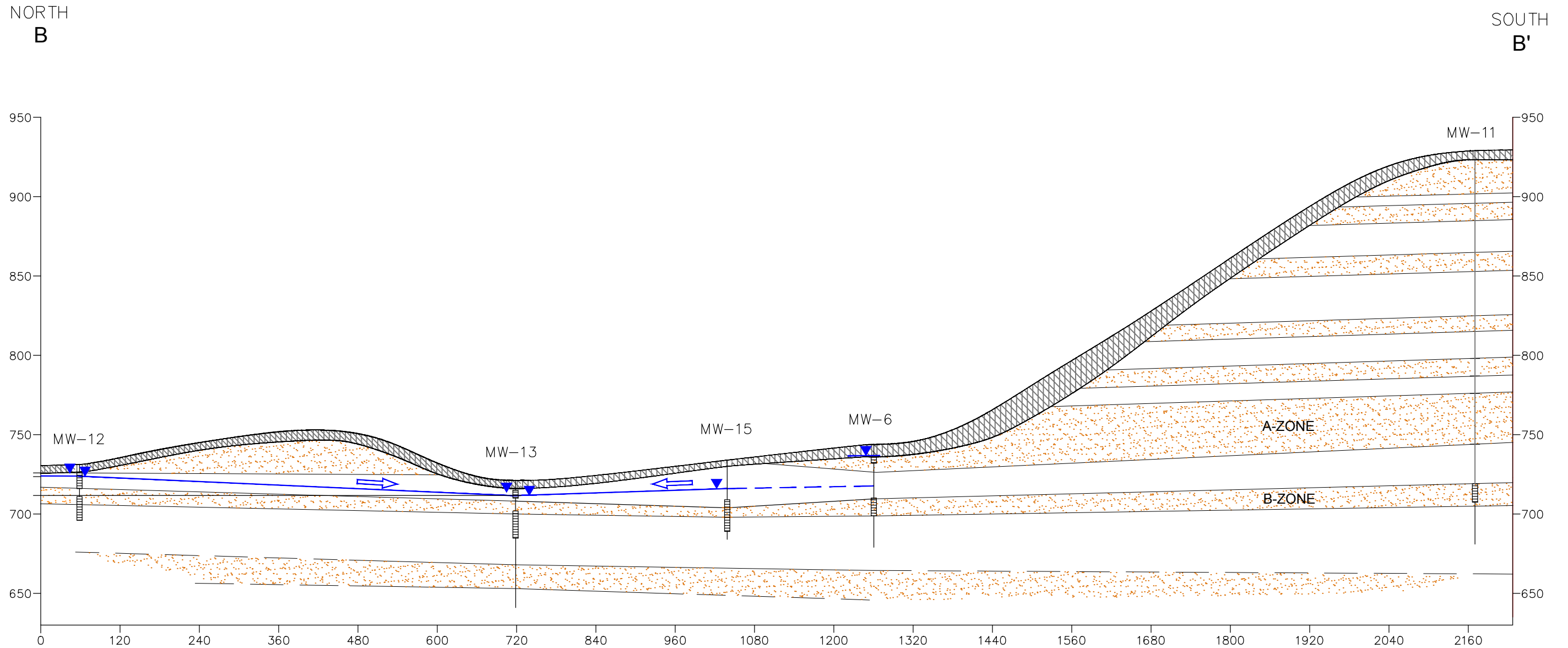
DATE
8/21/17

FIGURE No:
3.1









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DESIGNED BY: K. DAVIS	AECOM	CROSS-SECTION A-A'	PROJECT NO. 60541580	
DRAWN BY: D. LITTEL			DATE 8/21/17	
DATA QUALITY CHKD: K. DAVIS		Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	DRY RUN LANDFILL LUBECK, WEST VIRGINIA	FIGURE No: 3.2
APPROVED BY:				Page 1009 of 1737

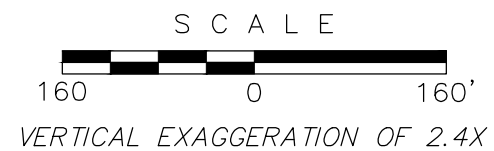



SECTION B-B'

LEGEND:

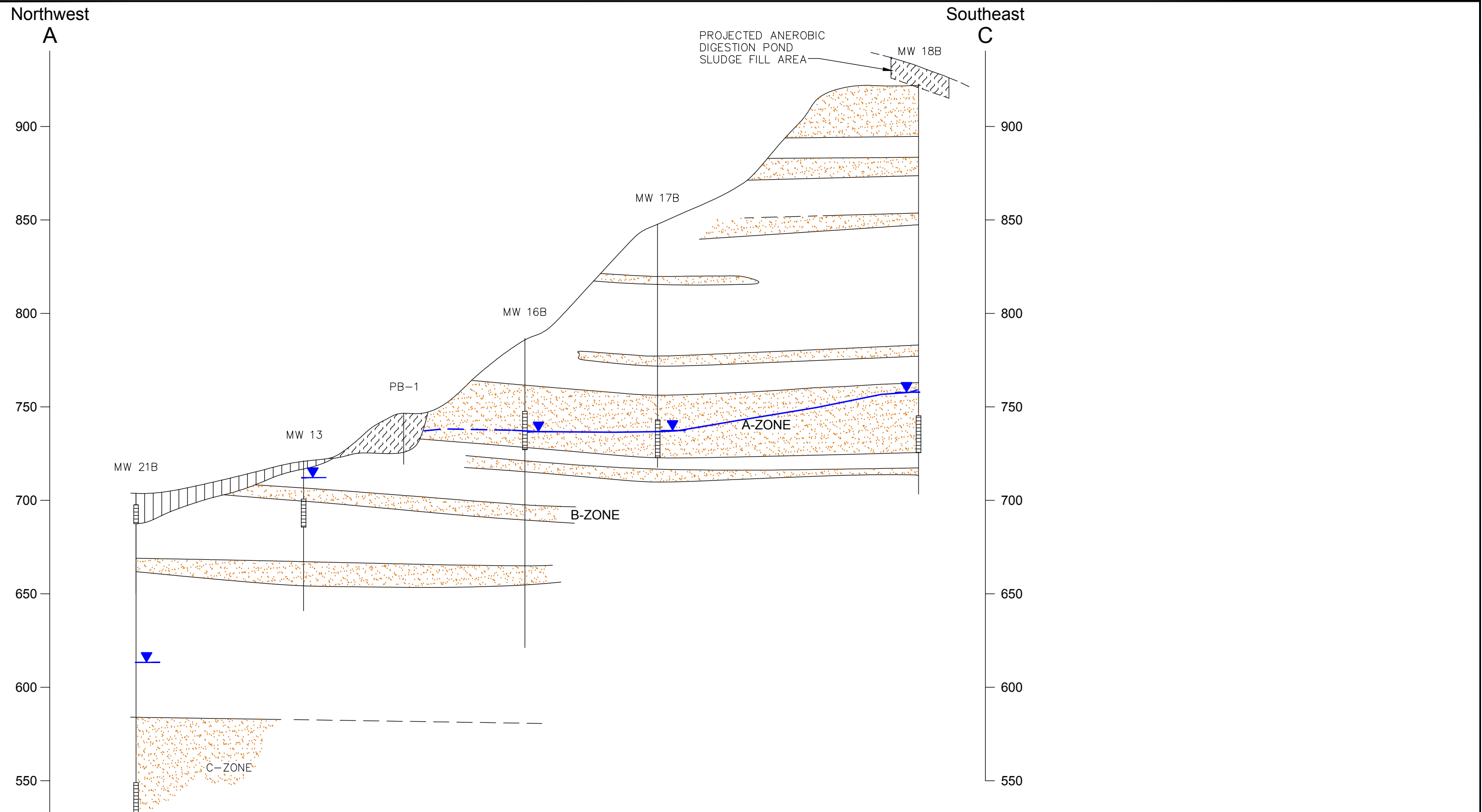
-  SILTY CLAY
-  SANDSTONE AND SILTSTONE
-  SHALE
-  WELL SCREEN INTERVAL
-  GROUNDWATER ELEVATION (Oct. 2002)
-  GROUNDWATER FLOW DIRECTION
- B-ZONE** AQUIFER ZONE

NOTE: MW-13 = MONITORING WELL 13



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DRAWN BY: D. LITTEL			DATE 8/21/17
DATA QUALITY CHKD: K. DAVIS		DRY RUN LANDFILL LUBECK, WEST VIRGINIA	FIGURE No: 3.3
APPROVED BY:			

V:\Projects\Dupont\Washington Works\cad\60541580\Drawings\7422B039.dwg, 3/16/2018 1:06 PM, Littel, David E. (Newark), PDF995.pc3, User:32767, 1'-0" = 1'-0"



LEGEND:

	WELL SCREENED INTERVAL		SANDSTONE AND SILTSTONE		FILL MATERIAL
	WATER LEVEL (OCT. 2002)		SHALE		SILT/CLAY

NOTE: Surface soils are not shown as a separate geologic unit.

MW-13 = MONITORING WELL 13

SCALE

300 0 300'

VERTICAL EXAGGERATION OF 6X

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D. LITTEL

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K. DAVIS

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CROSS-SECTION A-C

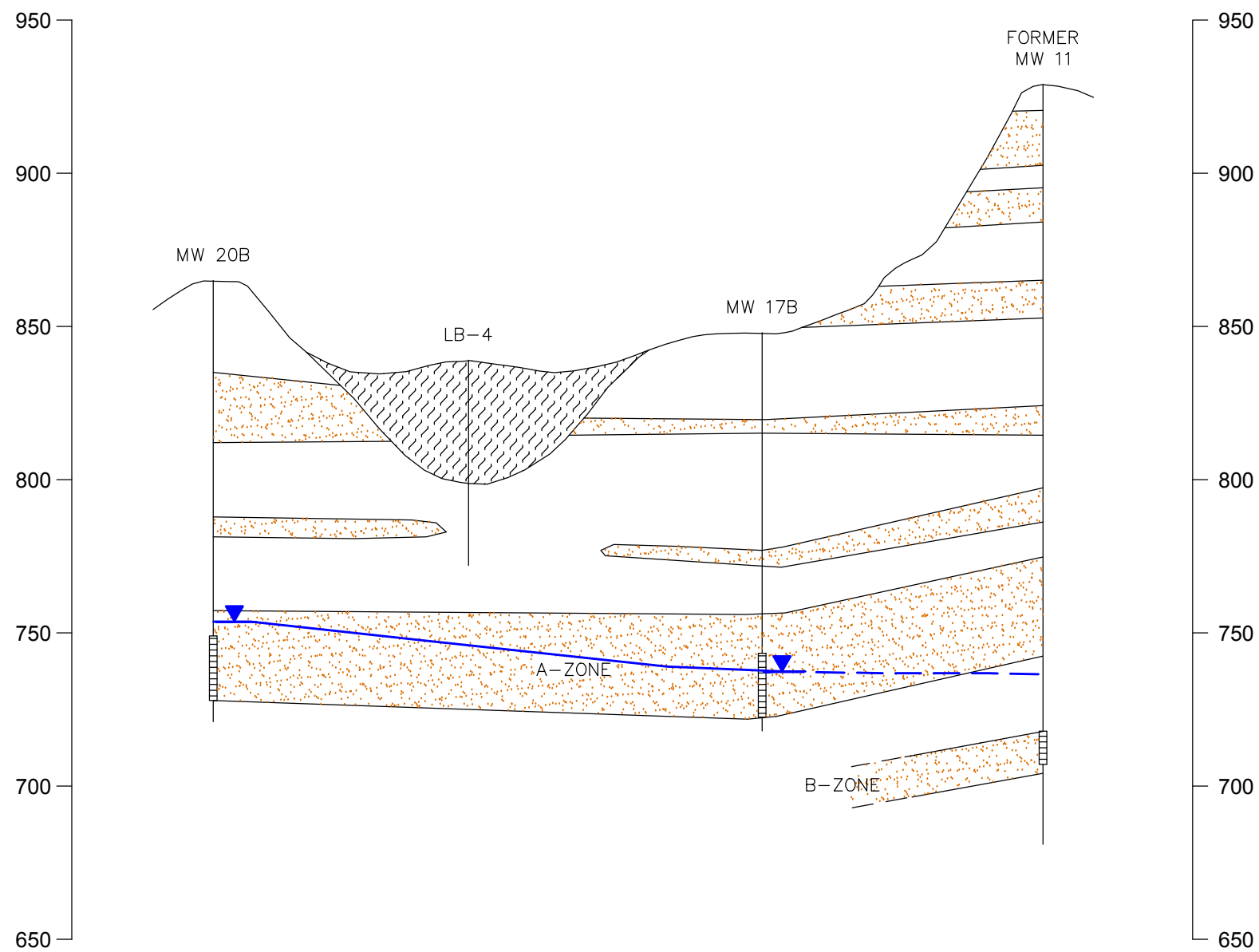
**DRY RUN LANDFILL
LUBECK, WEST VIRGINIA**

PROJECT NO. 60541580
DATE 8/21/17
FIGURE No: 3.4

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North
D

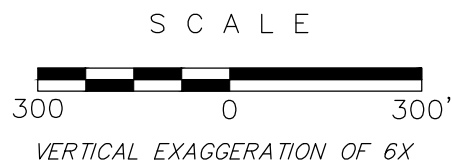
South
B'



LEGEND:

- WELL SCREENED INTERVAL
- WATER LEVEL (OCT. 2002)
- SANDSTONE AND SILTSTONE
- SHALE
- FILL MATERIAL
- A-ZONE AQUIFER ZONE

NOTE: SURFACE SOILS ARE NOT SHOWN AS A SEPERATE GEOLOGIC UNIT.
MW 20B = MONITORING WELL 20B



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D. LITTEL
DATA QUALITY CHKD:
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APPROVED BY:



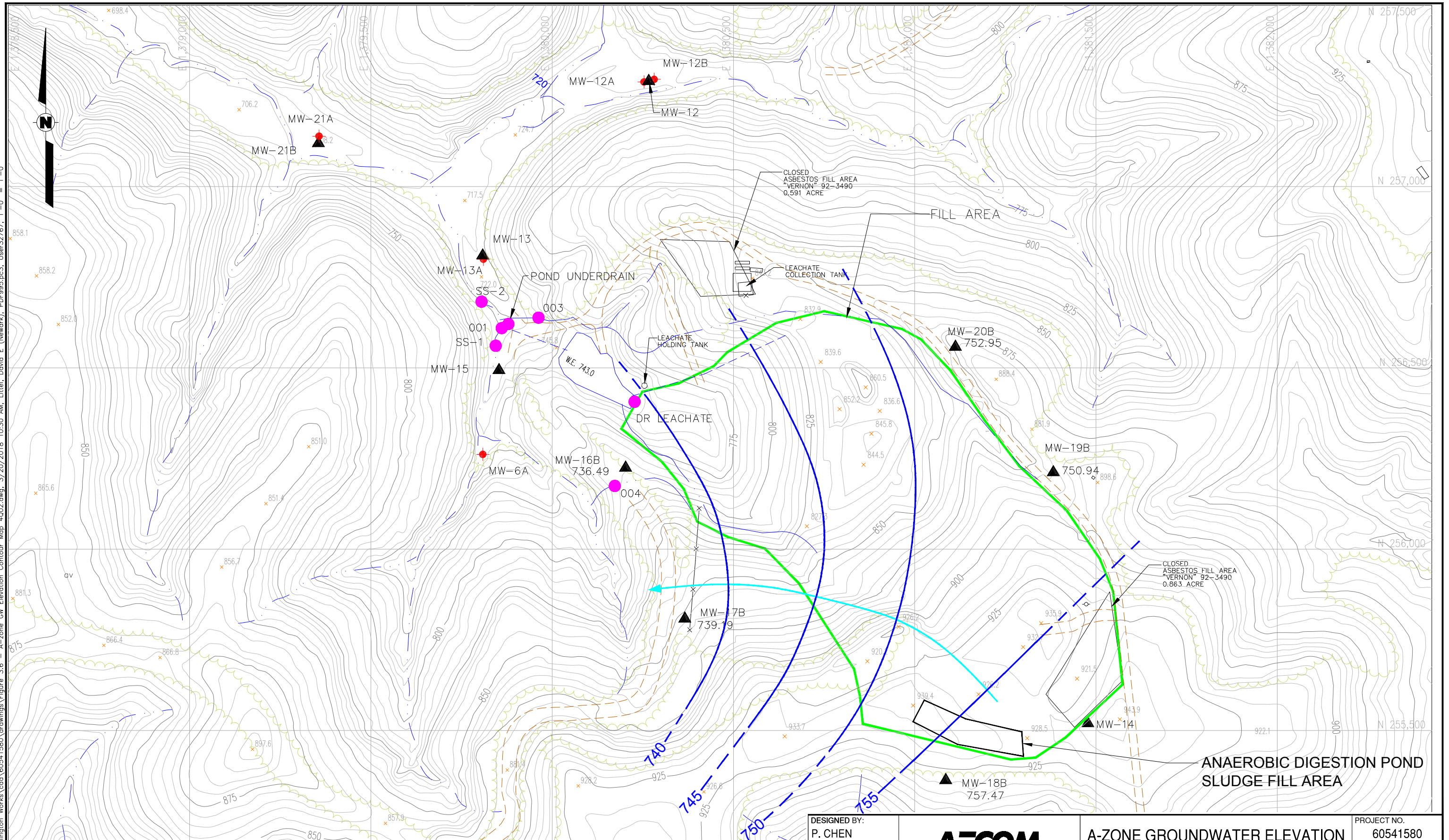
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CROSS-SECTION D-B'

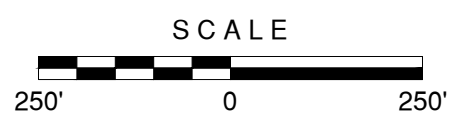
DRY RUN LANDFILL
LUBECK, WEST VIRGINIA

PROJECT NO.
60541580
DATE
8/21/17
FIGURE No:
3.5

V:\Projects\Dupont\Washington Works\cod\60541580\drawings\Figure 3.6 - A-zone GW Elevation Contour Map 4Q02.dwg, 3/20/2018 10:30 AM, Littel, David E (Newark), PDF995.pc3, User32767, 1'-0" = 1'-0"



- LEGEND:**
- OVER BURDEN MONITOR WELL
 - ▲ BEDROCK MONITOR WELL
 - SURFACE WATER LOCATIONS
 - GROUND WATER CONTOUR WITH ELEVATION
 - ← APPROXIMATE BEDROCK GROUND WATER FLOW DIRECTION
 - CREEK



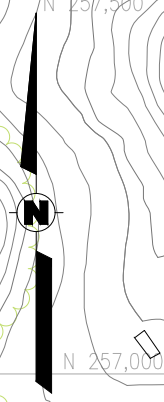
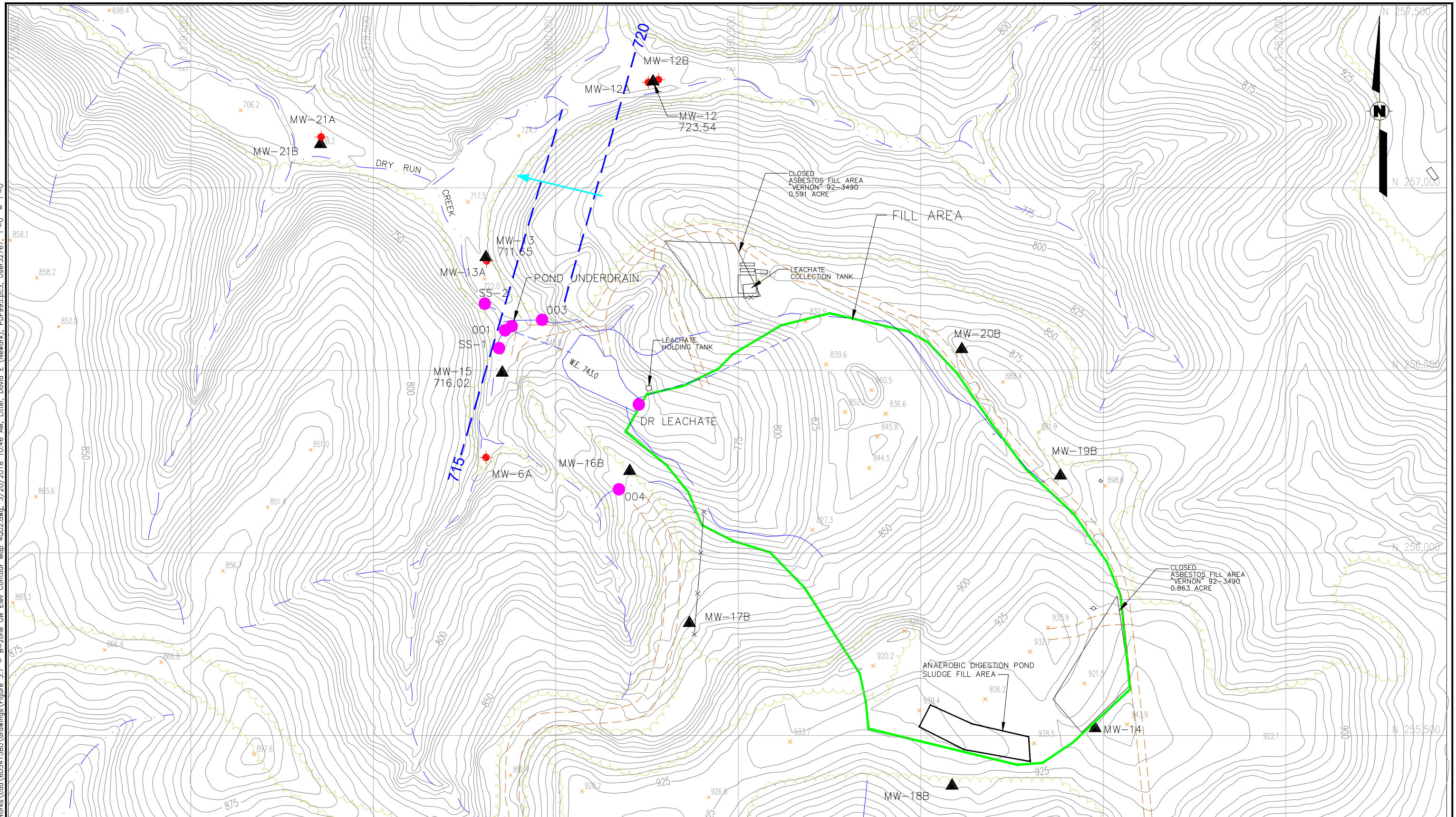
DESIGNED BY:
P. CHEN
DRAWN BY:
D. LITTEL
DATA QUALITY CHKD:
K. DAVIS
APPROVED BY:

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Newark, Delaware 19713
Phone: 302-781-5900

**A-ZONE GROUNDWATER ELEVATION
CONTOUR MAP - 4Q02**
**DRY RUN LANDFILL
WOOD COUNTY, WEST VIRGINIA**

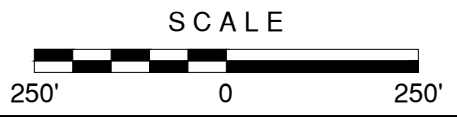
PROJECT NO.
60541580
DATE
8/21/17
FIGURE No:
3.6

V:\Projects\Dupont\Washington Works\cad\60541580\drawings\Figure 3.7 - B-zone GW Elev. Contour Map 4Q02.dwg, 3/20/2018 10:46 AM, Littell, David E (Newark), PDF995.pc3, User32767, 1'-0" = 1'-0"



LEGEND:

- OVER BURDEN MONITOR WELL
- ▲ BEDROCK MONITOR WELL
- SURFACE WATER LOCATIONS
- GROUND WATER CONTOUR WITH ELEVATION
- ← APPROXIMATE BEDROCK GROUND WATER FLOW DIRECTION
- CREEK



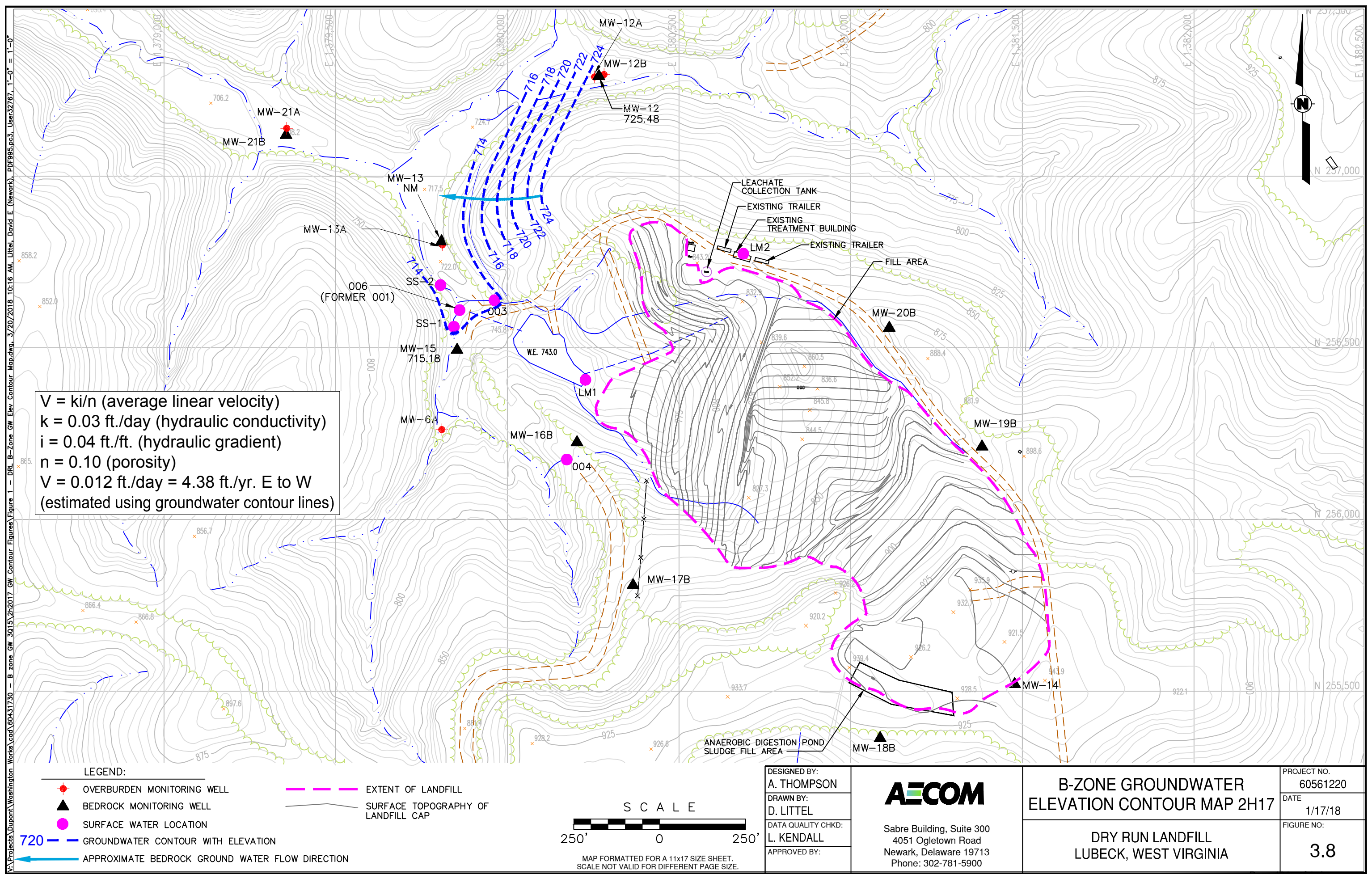
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DRAWN BY:
D. LITTEL
DATA QUALITY CHKD:
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Newark, Delaware 19713
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**B-ZONE GROUNDWATER ELEVATION
CONTOUR MAP - 4Q02**

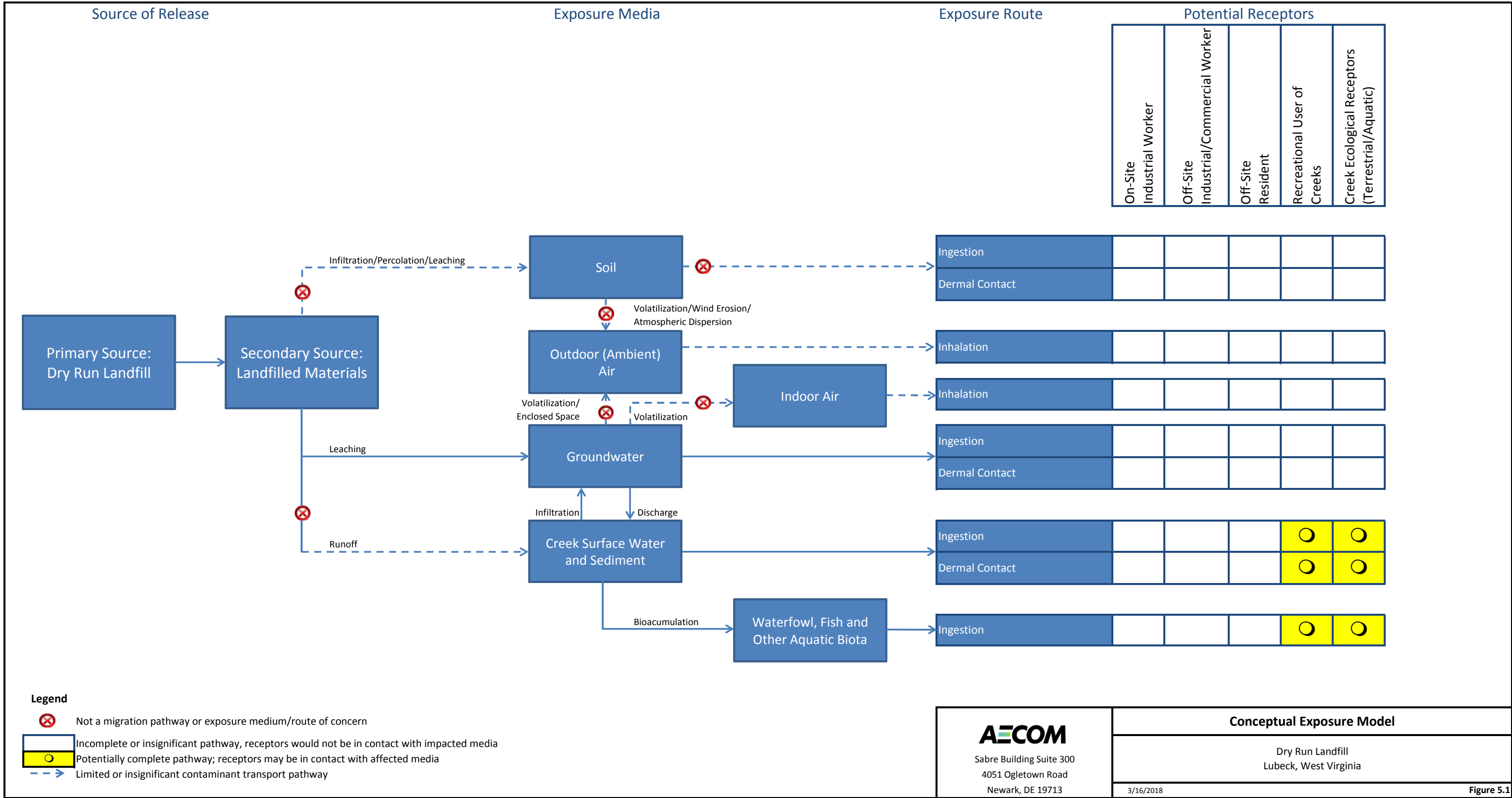
**DRY RUN LANDFILL
WOOD COUNTY, WEST VIRGINIA**

PROJECT NO.
60541580
DATE
8/21/17
FIGURE No:
3.7



$V = ki/n$ (average linear velocity)
 $k = 0.03$ ft./day (hydraulic conductivity)
 $i = 0.04$ ft./ft. (hydraulic gradient)
 $n = 0.10$ (porosity)
 $V = 0.012$ ft./day = 4.38 ft./yr. E to W
 (estimated using groundwater contour lines)

M:\Projects\Dupont\Washington Works\cad\60431730 - B zone GW 3Q15\2h2017 GW Contour Figures\Figure 1 - DRL B-Zone GW Elev. Contour Map.dwg, 3/20/2018 10:16 AM, Littell, David E (Newark), PDF995.pc3, User32767, 1'-0" = 1'-0"



Appendices

Appendix A

Summary of Landfill Monitoring Analytical Results

Appendix A, Table 1
LM1 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Alkalinity, Carbonate			05/30/2013	12/20/2017	8	8	1,800,000	1,280,000
Aluminum			05/30/2013	12/20/2017	8	0		
Ammonia			05/30/2013	12/20/2017	8	8	48,200	23,200
Antimony			05/30/2013	12/20/2017	8	0		
APFO			01/07/2013	12/20/2017	20	20	69	42
Arsenic		X (10)	05/30/2013	12/20/2017	8	8	84	13
Barium			05/30/2013	12/20/2017	8	8	229	155
Benzene		X (5)	05/30/2013	12/20/2017	8	0		
Biochemical Oxygen Demand (BOD) - 5 Day			05/30/2013	12/20/2017	8	8	19,600	8,680
Boron			05/30/2013	12/20/2017	8	8	20,200	14,400
Cadmium		X (5)	05/30/2013	12/20/2017	8	0		
Calcium			05/30/2013	12/20/2017	8	8	224,000	144,000
Chemical Oxygen Demand (COD)			05/30/2013	12/20/2017	8	8	108,000	50,200
Chloride			05/30/2013	12/20/2017	8	8	86,800	68,000
Chromium		X (100)	05/30/2013	12/20/2017	8	0		
Copper		X (1,300)	05/30/2013	12/20/2017	8	5	1,580	26
Cyanide		X (200)	05/30/2013	12/20/2017	8	0		
Fluoride		X (4,000)	05/30/2013	12/20/2017	9	8	244	121
Formaldehyde			05/30/2013	12/20/2017	8	2	99	34.3
Iron			05/30/2013	12/20/2017	8	8	27,900	5,130
Lead		X (15)	05/30/2013	12/20/2017	8	1	1	1
Magnesium			05/30/2013	12/20/2017	8	8	101,000	75,400
Manganese			05/30/2013	12/20/2017	8	8	2,480	1,540
Mercury		X (2)	05/30/2013	12/20/2017	8	0		
Molybdenum			05/30/2013	12/20/2017	8	0		
Nickel			05/30/2013	12/20/2017	8	0		
Nitrate		X (10,000)	05/30/2013	12/20/2017	8	8	13,600	368
Nitrite		X (1,000)	05/30/2013	12/20/2017	8	7	211	11
Nitrogen			05/30/2013	12/20/2017	4	4	4,910	462
PFOA			01/07/2013	12/20/2017	20	20	66	40
Phenol			05/30/2013	12/20/2017	8	0		
Potassium			05/30/2013	12/20/2017	8	8	61,100	43,500
Selenium		X (50)	05/30/2013	12/20/2017	8	8	295	23
Silver			05/30/2013	12/20/2017	8	0		
Sodium			05/30/2013	12/20/2017	8	8	286,000	203,000
Sulfate			05/30/2013	12/20/2017	8	8	18,900	3,250
Thallium		X (2)	05/30/2013	12/20/2017	8	0		
Titanium			05/30/2013	12/20/2017	8	0		
Total Dissolved Solids			05/30/2013	12/20/2017	8	8	1,710,000	1,350,000
Total Hardness As CaCO3			05/30/2013	12/20/2017	8	8	1,060,000	837,000
Total Organic Carbon			05/30/2013	12/20/2017	8	8	103,000	16,700
Total Suspended Solids			05/30/2013	12/20/2017	8	8	72,500	25,500
Vanadium			05/30/2013	12/20/2017	8	1	11	11
Zinc			05/30/2013	12/20/2017	8	7	1,400	27

Yellow cells indicate parameters that exceed groundwater standards

Appendix A, Table 2
LM2 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Total Organic Carbon			07/19/2017	02/14/2018	18	18	9,490	4,110
APFO			01/15/2013	01/30/2018	58	58	14	0.68
PFOA			01/15/2013	01/30/2018	58	58	15	0.71

Appendix A, Table 3
MW12 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/06/2017	06/06/2017	1	0		
1,1,1-Trichloroethane		X (5)	06/06/2017	06/06/2017	1	0		
1,1,2,2-Tetrachloroethane			06/06/2017	06/06/2017	1	0		
1,1,2-Trichloroethane			06/06/2017	06/06/2017	1	0		
1,1-Dichloroethane			06/06/2017	06/06/2017	1	0		
1,1-Dichloroethene		X (7)	06/06/2017	06/06/2017	1	0		
1,1-Dichloropropene			06/06/2017	06/06/2017	1	0		
1,2,3-Trichloropropane			06/06/2017	06/06/2017	1	0		
1,2,4,5-Tetrachlorobenzene			12/07/2017	12/07/2017	1	0		
1,2,4-Trichlorobenzene		X (70)	06/06/2017	06/06/2017	1	0		
1,2-Dibromo-3-Chloropropane		X (0.2)	06/06/2017	06/06/2017	1	0		
1,2-Dibromoethane (EDB)			06/06/2017	06/06/2017	1	0		
1,2-Dichlorobenzene			06/06/2017	06/06/2017	1	0		
1,2-Dichloroethane		X (5)	06/06/2017	06/06/2017	1	0		
1,2-Dichloropropane		X (5)	06/06/2017	06/06/2017	1	0		
1,3,5-Trinitrobenzene			12/07/2017	12/07/2017	1	0		
1,3-Dichlorobenzene			06/06/2017	06/06/2017	1	0		
1,3-Dichloropropane			06/06/2017	06/06/2017	1	0		
1,3-Dinitrobenzene			12/07/2017	12/07/2017	1	0		
1,4-Dichlorobenzene			06/06/2017	06/06/2017	1	0		
1,4-Naphthoquinone			12/07/2017	12/07/2017	1	0		
1-Naphthylamine			12/07/2017	12/07/2017	1	0		
2,2-Dichloropropane			06/06/2017	06/06/2017	1	0		
2,3,4,6-Tetrachlorophenol			12/07/2017	12/07/2017	1	0		
2,4,5-T			12/07/2017	12/07/2017	1	0		
2,4,5-Trichlorophenol			12/07/2017	12/07/2017	1	0		
2,4,6-Trichlorophenol			12/07/2017	12/07/2017	1	0		
2,4-Dichlorophenol			12/07/2017	12/07/2017	1	0		
2,4-Dichlorophenoxyacetic Acid			12/07/2017	12/07/2017	1	0		
2,4-Dimethylphenol			12/07/2017	12/07/2017	1	0		
2,4-Dinitrophenol			12/07/2017	12/07/2017	1	0		
2,4-Dinitrotoluene			12/07/2017	12/07/2017	1	0		
2,6-Dichlorophenol			12/07/2017	12/07/2017	1	0		
2,6-Dinitrotoluene			12/07/2017	12/07/2017	1	0		
2-Acetylaminofluorene			12/07/2017	12/07/2017	1	0		
2-Chloronaphthalene			12/07/2017	12/07/2017	1	0		
2-Chlorophenol			12/07/2017	12/07/2017	1	0		
2-Hexanone			06/06/2017	06/06/2017	1	0		
2-Methylnaphthalene			12/07/2017	12/07/2017	1	0		
2-Methylphenol (O-Cresol)			12/07/2017	12/07/2017	1	0		
2-Naphthylamine			12/07/2017	12/07/2017	1	0		
2-Nitroaniline			12/07/2017	12/07/2017	1	0		
2-Nitrophenol			12/07/2017	12/07/2017	1	0		
3,3'-Dichlorobenzidine			12/07/2017	12/07/2017	1	0		
3,3'-Dimethylbenzidine			12/07/2017	12/07/2017	1	0		
3-Methylcholanthrene			12/07/2017	12/07/2017	1	0		

Appendix A, Table 3
MW12 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			12/07/2017	12/07/2017	1	0		
4,6-Dinitro-2-Methylphenol			12/07/2017	12/07/2017	1	0		
4-Aminobiphenyl			12/07/2017	12/07/2017	1	0		
4-Bromophenyl Phenyl Ether			12/07/2017	12/07/2017	1	0		
4-Chloro-3-Methylphenol			12/07/2017	12/07/2017	1	0		
4-Chloroaniline			12/07/2017	12/07/2017	1	0		
4-Chlorophenyl Phenyl Ether			12/07/2017	12/07/2017	1	0		
4-Dimethylaminoazobenzene			12/07/2017	12/07/2017	1	0		
4-Nitroaniline			12/07/2017	12/07/2017	1	0		
4-Nitrophenol			12/07/2017	12/07/2017	1	0		
5-Nitro-Ortho-Toluidine			12/07/2017	12/07/2017	1	0		
7,12-Dimethylbenz[A]Anthracene			12/07/2017	12/07/2017	1	0		
Acenaphthene			12/07/2017	12/07/2017	1	0		
Acenaphthylene			12/07/2017	12/07/2017	1	0		
Acetone			06/06/2017	06/06/2017	1	0		
Acetonitrile			06/06/2017	06/06/2017	1	0		
Acetophenone			12/07/2017	12/07/2017	1	0		
Acrolein			06/06/2017	06/06/2017	1	0		
Acrylonitrile			06/06/2017	06/06/2017	1	0		
Allyl Chloride			06/06/2017	06/06/2017	1	0		
Aluminum			01/09/2013	12/07/2017	16	0		
Ammonia			01/09/2013	12/07/2017	16	13	300	63.8
Anthracene			12/07/2017	12/07/2017	1	0		
Antimony			01/09/2013	12/07/2017	16	3	0.905	0.605
APFO			01/09/2013	12/07/2017	16	16	0.086	0.056
Arsenic		X (10)	03/01/2016	12/07/2017	4	4	7.35	5.37
Benzene		X (5)	06/06/2017	06/06/2017	1	0		
Benzo(A)Anthracene			12/07/2017	12/07/2017	1	0		
Benzo(B)Fluoranthene			12/07/2017	12/07/2017	1	0		
Benzo(G,H,I)Perylene			12/07/2017	12/07/2017	1	0		
Benzo(K)Fluoranthene			12/07/2017	12/07/2017	1	0		
Benzo[A]Pyrene		X (0.2)	12/07/2017	12/07/2017	1	0		
Benzyl Alcohol			12/07/2017	12/07/2017	1	0		
Beryllium	X (4)	X (4)	01/09/2013	12/07/2017	16	0		
Bis(2-Chloroethoxy)Methane			12/07/2017	12/07/2017	1	0		
Bis(2-Chloroethyl)Ether			12/07/2017	12/07/2017	1	0		
Bis(2-Chloroisopropyl)Ether			12/07/2017	12/07/2017	1	0		
Bis(2-Ethylhexyl)Phthalate			12/07/2017	12/07/2017	1	0		
Boron			01/09/2013	12/07/2017	16	16	134	98
Bromochloromethane			06/06/2017	06/06/2017	1	0		
Bromoform		X (80)	06/06/2017	06/06/2017	1	0		
Butyl Benzyl Phthalate			12/07/2017	12/07/2017	1	0		
Cadmium	X (5)	X (5)	01/09/2013	12/07/2017	16	0		
Carbon Disulfide			06/06/2017	06/06/2017	1	0		
Carbon Tetrachloride		X (5)	06/06/2017	06/06/2017	1	0		
Chemical Oxygen Demand (COD)			01/09/2013	12/07/2017	17	1	21,900	21,900

Appendix A, Table 3
MW12 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Chloride			01/09/2013	12/07/2017	16	16	8,650	5,190
Chlorobenzene			06/06/2017	06/06/2017	1	0		
Chlorobenzilate			12/07/2017	12/07/2017	1	0		
Chlorodibromomethane			06/06/2017	06/06/2017	1	0		
Chloroform		X (80)	06/06/2017	06/06/2017	1	0		
Chloroprene			06/06/2017	06/06/2017	1	0		
Chromium		X (100)	06/06/2017	12/07/2017	2	0		
Chrysene			12/07/2017	12/07/2017	1	0		
cis-1,2 Dichloroethene		X (70)	06/06/2017	06/06/2017	1	0		
cis-1,3-Dichloropropene			06/06/2017	06/06/2017	1	0		
Cobalt			06/06/2017	12/07/2017	2	0		
Copper	X (1,300)	X (1,300)	01/09/2013	12/07/2017	16	0		
Cresol			12/07/2017	12/07/2017	1	0		
Diallate			12/07/2017	12/07/2017	1	0		
Dibenz(A,H)Anthracene			12/07/2017	12/07/2017	1	0		
Dibenzofuran			12/07/2017	12/07/2017	1	0		
Dichlorodifluoromethane			06/06/2017	06/06/2017	1	0		
Diethyl Phthalate			12/07/2017	12/07/2017	1	0		
Dimethoate			12/07/2017	12/07/2017	1	0		
Dimethyl Phthalate			12/07/2017	12/07/2017	1	0		
Di-N-Butyl Phthalate			12/07/2017	12/07/2017	1	0		
Dinoseb			12/07/2017	12/07/2017	1	0		
Diphenyl Amine			12/07/2017	12/07/2017	1	0		
Ethyl Chloride			06/06/2017	06/06/2017	1	0		
Ethylbenzene		X (700)	06/06/2017	06/06/2017	1	0		
Fluoranthene			12/07/2017	12/07/2017	1	0		
Fluorene			12/07/2017	12/07/2017	1	0		
Fluoride	X (4,000)	X (4,000)	01/09/2013	12/07/2017	17	17	8,570	204
Hexachlorobenzene		X (1)	12/07/2017	12/07/2017	1	0		
Hexachlorobutadiene			12/07/2017	12/07/2017	1	0		
Hexachlorocyclopentadiene		X (50)	12/07/2017	12/07/2017	1	0		
Hexachloroethane			12/07/2017	12/07/2017	1	0		
Hexachloropropylene			12/07/2017	12/07/2017	1	0		
Indeno (1,2,3-CD) Pyrene			12/07/2017	12/07/2017	1	0		
Iodomethane			06/06/2017	06/06/2017	1	0		
Iron			01/09/2013	12/07/2017	16	0		
Isobutyl Alcohol			06/06/2017	06/06/2017	1	0		
Isodrin			12/07/2017	12/07/2017	1	0		
Isophorone			12/07/2017	12/07/2017	1	0		
Kepone			12/07/2017	12/07/2017	1	0		
Lead		X (15)	06/06/2017	12/07/2017	2	0		
Manganese			01/09/2013	12/07/2017	16	5	31.2	5.8
Mercury		X (2)	06/06/2017	12/07/2017	2	0		
Methacrylonitrile			06/06/2017	06/06/2017	1	0		
Methapyrilene			12/07/2017	12/07/2017	1	0		
Methyl Bromide			06/06/2017	06/06/2017	1	0		

Appendix A, Table 3
MW12 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Methyl Chloride			06/06/2017	06/06/2017	1	0		
Methyl Ethyl Ketone			06/06/2017	06/06/2017	1	0		
Methyl Methacrylate			06/06/2017	06/06/2017	1	0		
Methyl Methanesulfonate			12/07/2017	12/07/2017	1	0		
Methylene Bromide			06/06/2017	06/06/2017	1	0		
Methylene Chloride			06/06/2017	06/06/2017	1	0		
Naphthalene			06/06/2017	06/06/2017	1	0		
N-Dioctyl Phthalate			12/07/2017	12/07/2017	1	0		
Nickel			06/06/2017	12/07/2017	2	0		
Nitrate	X (10,000)	X (10,000)	01/09/2013	12/07/2017	16	15	458	43
Nitrite	X (1,000)	X (1,000)	01/09/2013	12/07/2017	16	0		
Nitrobenzene			12/07/2017	12/07/2017	1	0		
Nitrogen			04/04/2013	12/07/2017	9	8	458	43
N-Nitroso(Methyl)Ethylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodiethylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodimethylamine			12/07/2017	12/07/2017	1	0		
N-Nitroso-Di-N-Butylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodi-N-Propylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodiphenylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosomorpholine			12/07/2017	12/07/2017	1	0		
N-Nitrosopiperidine			12/07/2017	12/07/2017	1	0		
N-Nitrosopyrrolidine			12/07/2017	12/07/2017	1	0		
O,O,O-Triethylphosphorothioate			12/07/2017	12/07/2017	1	0		
O-Toluidine			12/07/2017	12/07/2017	1	0		
para-Phenylenediamine			12/07/2017	12/07/2017	1	0		
Pentachlorobenzene			12/07/2017	12/07/2017	1	0		
Pentachloronitrobenzene			12/07/2017	12/07/2017	1	0		
Pentachlorophenol		X (1)	12/07/2017	12/07/2017	2	0		
PFOA			01/09/2013	12/07/2017	16	16	0.083	0.054
Phenacetin			12/07/2017	12/07/2017	1	0		
Phenanthrene			12/07/2017	12/07/2017	1	0		
Phenol			12/07/2017	12/07/2017	1	0		
Pronamide			12/07/2017	12/07/2017	1	0		
Propionitrile			06/06/2017	06/06/2017	1	0		
Pyrene			12/07/2017	12/07/2017	1	0		
Safrole			12/07/2017	12/07/2017	1	0		
Selenium		X (50)	03/01/2016	12/07/2017	4	2	0.698	0.683
Silver			01/09/2013	12/07/2017	16	0		
Silvex		X (50)	12/07/2017	12/07/2017	1	0		
Styrene		X (100)	06/06/2017	06/06/2017	1	0		
Sulfate			01/09/2013	12/07/2017	16	16	33,800	30,000
Tetrachloroethene		X (5)	06/06/2017	06/06/2017	1	0		
Thallium	X (2)	X (2)	01/09/2013	12/07/2017	16	3	0.252	0.100
Thionazin			12/07/2017	12/07/2017	1	0		
Tin			06/06/2017	12/07/2017	2	0		
Toluene		X (1,000)	06/06/2017	06/06/2017	1	0		

Appendix A, Table 3
MW12 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Total Dissolved Solids			01/09/2013	12/07/2017	16	16	526,000	436,000
Total Organic Carbon			01/09/2013	12/07/2017	16	16	10,700	585
Total Suspended Solids			01/09/2013	12/07/2017	16	1	4,500	4,500
trans-1,2-Dichloroethene			06/06/2017	06/06/2017	1	0		
trans-1,3-Dichloropropene			06/06/2017	06/06/2017	1	0		
trans-1,4-Dichlorobutene-2			06/06/2017	06/06/2017	1	0		
Trichloroethene			06/06/2017	06/06/2017	1	0		
Trichlorofluoromethane			06/06/2017	06/06/2017	1	0		
Vanadium			06/06/2017	12/07/2017	2	0		
Vinyl Acetate			06/06/2017	06/06/2017	1	0		
Vinyl Chloride		X (2)	06/06/2017	06/06/2017	1	0		
Xylenes		X (10,000)	06/06/2017	06/06/2017	1	0		

Appendix A, Table 4
MW12A Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum			01/09/2013	12/07/2017	16	0		
Ammonia			01/09/2013	12/07/2017	16	14	260	51.7
Antimony			01/09/2013	12/07/2017	16	0		
APFO			01/09/2013	12/07/2017	16	16	0.12	0.065
Arsenic		X (10)	03/01/2016	12/07/2017	4	1	0.505	0.505
Beryllium	X (4)	X (4)	01/09/2013	12/07/2017	16	0		
Boron			01/09/2013	12/07/2017	16	0		
Cadmium	X (5)	X (5)	01/09/2013	12/07/2017	16	0		
Chemical Oxygen Demand (COD)			01/09/2013	12/07/2017	16	4	31,100	10,100
Chloride			01/09/2013	12/07/2017	16	16	10,400	4,650
Copper	X (1,300)	X (1,300)	01/09/2013	12/07/2017	16	0		
Fluoride	X (4,000)	X (4,000)	01/09/2013	12/07/2017	16	16	606	76.6
Iron			01/09/2013	12/07/2017	16	0		
Manganese			01/09/2013	12/07/2017	16	0		
Nitrate	X (10,000)	X (10,000)	01/09/2013	12/07/2017	16	15	1,260	33
Nitrite	X (1,000)	X (1,000)	01/09/2013	12/07/2017	16	0		
Nitrogen			04/04/2013	12/07/2017	9	8	372	33
PFOA			01/09/2013	12/07/2017	16	16	0.12	0.062
Selenium		X (50)	03/01/2016	12/07/2017	4	2	1.52	0.675
Silver			01/09/2013	12/07/2017	16	0		
Sulfate			01/09/2013	12/07/2017	16	16	35,400	30,200
Thallium	X (2)	X (2)	01/09/2013	12/07/2017	16	2	0.194	0.106
Total Dissolved Solids			01/09/2013	12/07/2017	16	16	398,000	316,000
Total Organic Carbon			01/09/2013	12/07/2017	16	15	8,540	931
Total Suspended Solids			01/09/2013	12/07/2017	16	2	5,000	3,000

Appendix A, Table 5
MW12B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum			01/09/2013	12/07/2017	16	0		
Ammonia			01/09/2013	12/07/2017	16	12	1,310	55.9
Antimony			01/09/2013	12/07/2017	16	0		
APFO			01/09/2013	12/07/2017	16	16	0.150	0.068
Arsenic		X (10)	03/01/2016	12/07/2017	4	0		
Beryllium	X (4)	X (4)	01/09/2013	12/07/2017	16	0		
Boron			01/09/2013	12/07/2017	16	1	122	122
Cadmium	X (5)	X (5)	01/09/2013	12/07/2017	16	0		
Chemical Oxygen Demand (COD)			01/09/2013	12/07/2017	16	3	30,500	16,700
Chloride			01/09/2013	12/07/2017	16	15	10,100	3,580
Copper	X (1,300)	X (1,300)	01/09/2013	12/07/2017	16	0		
Fluoride	X (4,000)	X (4,000)	01/09/2013	12/07/2017	16	14	106	53.5
Iron			01/09/2013	12/07/2017	16	7	1,900	128
Manganese			01/09/2013	12/07/2017	16	16	7,260	16.6
Nitrate	X (10,000)	X (10,000)	01/09/2013	12/07/2017	16	13	569	40
Nitrite	X (1,000)	X (1,000)	01/09/2013	12/07/2017	16	1	15.6	15.6
Nitrogen			04/04/2013	12/07/2017	9	7	569	40
PFOA			01/09/2013	12/07/2017	16	16	0.140	0.065
Selenium		X (50)	03/01/2016	12/07/2017	4	2	0.797	0.633
Silver			01/09/2013	12/07/2017	16	0		
Sulfate			01/09/2013	12/07/2017	16	16	35,200	18,300
Thallium	X (2)	X (2)	01/09/2013	12/07/2017	16	1	0.116	0.116
Total Dissolved Solids			01/09/2013	12/07/2017	16	16	390,000	326,000
Total Organic Carbon			01/09/2013	12/07/2017	16	15	9,450	999
Total Suspended Solids			01/09/2013	12/07/2017	16	1	4,000	4,000

Appendix A, Table 6
MW13 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/06/2017	06/06/2017	1	0		
1,1,1-Trichloroethane		X (200)	06/06/2017	06/06/2017	1	0		
1,1,2,2-Tetrachloroethane			06/06/2017	06/06/2017	1	0		
1,1,2-Trichloroethane		X (5)	06/06/2017	06/06/2017	1	0		
1,1-Dichloroethane			06/06/2017	06/06/2017	1	0		
1,1-Dichloroethene		X (7)	06/06/2017	06/06/2017	1	0		
1,1-Dichloropropene			06/06/2017	06/06/2017	1	0		
1,2,3-Trichloropropane			06/06/2017	06/06/2017	1	0		
1,2,4,5-Tetrachlorobenzene			12/07/2017	12/07/2017	1	0		
1,2,4-Trichlorobenzene			06/06/2017	06/06/2017	1	0		
1,2-Dibromo-3-Chloropropane			06/06/2017	06/06/2017	1	0		
1,2-Dibromoethane (EDB)			06/06/2017	06/06/2017	1	0		
1,2-Dichlorobenzene			06/06/2017	06/06/2017	1	0		
1,2-Dichloroethane		X (5)	06/06/2017	06/06/2017	1	0		
1,2-Dichloropropane		X (5)	06/06/2017	06/06/2017	1	0		
1,3,5-Trinitrobenzene			12/07/2017	12/07/2017	1	0		
1,3-Dichlorobenzene			06/06/2017	06/06/2017	1	0		
1,3-Dichloropropane			06/06/2017	06/06/2017	1	0		
1,3-Dinitrobenzene			12/07/2017	12/07/2017	1	0		
1,4-Dichlorobenzene			06/06/2017	06/06/2017	1	0		
1,4-Naphthoquinone			12/07/2017	12/07/2017	1	0		
1-Naphthylamine			12/07/2017	12/07/2017	1	0		
2,2-Dichloropropane			06/06/2017	06/06/2017	1	0		
2,3,4,6-Tetrachlorophenol			12/07/2017	12/07/2017	1	0		
2,4,5-T			12/07/2017	12/07/2017	1	0		
2,4,5-Trichlorophenol			12/07/2017	12/07/2017	1	0		
2,4,6-Trichlorophenol			12/07/2017	12/07/2017	1	0		
2,4-Dichlorophenol			12/07/2017	12/07/2017	1	0		
2,4-Dichlorophenoxyacetic Acid			12/07/2017	12/07/2017	1	0		
2,4-Dimethylphenol			12/07/2017	12/07/2017	1	0		
2,4-Dinitrophenol			12/07/2017	12/07/2017	1	0		
2,4-Dinitrotoluene			12/07/2017	12/07/2017	1	0		
2,6-Dichlorophenol			12/07/2017	12/07/2017	1	0		
2,6-Dinitrotoluene			12/07/2017	12/07/2017	1	0		
2-Acetylaminofluorene			12/07/2017	12/07/2017	1	0		
2-Chloronaphthalene			12/07/2017	12/07/2017	1	0		
2-Chlorophenol			12/07/2017	12/07/2017	1	0		
2-Hexanone			06/06/2017	06/06/2017	1	0		
2-Methylnaphthalene			12/07/2017	12/07/2017	1	0		
2-Methylphenol (O-Cresol)			12/07/2017	12/07/2017	1	0		
2-Naphthylamine			12/07/2017	12/07/2017	1	0		
2-Nitroaniline			12/07/2017	12/07/2017	1	0		
2-Nitrophenol			12/07/2017	12/07/2017	1	0		
3,3'-Dichlorobenzidine			12/07/2017	12/07/2017	1	0		
3,3'-Dimethylbenzidine			12/07/2017	12/07/2017	1	0		
3-Methylcholanthrene			12/07/2017	12/07/2017	1	0		

Appendix A, Table 6
MW13 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

3-Nitroaniline			12/07/2017	12/07/2017	1	0		
4,6-Dinitro-2-Methylphenol			12/07/2017	12/07/2017	1	0		
4-Aminobiphenyl			12/07/2017	12/07/2017	1	0		
4-Bromophenyl Phenyl Ether			12/07/2017	12/07/2017	1	0		
4-Chloro-3-Methylphenol			12/07/2017	12/07/2017	1	0		
4-Chloroaniline			12/07/2017	12/07/2017	1	0		
4-Chlorophenyl Phenyl Ether			12/07/2017	12/07/2017	1	0		
4-Dimethylaminoazobenzene			12/07/2017	12/07/2017	1	0		
4-Nitroaniline			12/07/2017	12/07/2017	1	0		
4-Nitrophenol			12/07/2017	12/07/2017	1	0		
5-Nitro-Ortho-Toluidine			12/07/2017	12/07/2017	1	0		
7,12-Dimethylbenz[A]Anthracene			12/07/2017	12/07/2017	1	0		
Acenaphthene			12/07/2017	12/07/2017	1	0		
Acenaphthylene			12/07/2017	12/07/2017	1	0		
Acetone			06/06/2017	06/06/2017	1	0		
Acetonitrile			06/06/2017	06/06/2017	1	0		
Acetophenone			12/07/2017	12/07/2017	1	0		
Acrolein			06/06/2017	06/06/2017	1	0		
Acrylonitrile			06/06/2017	06/06/2017	1	0		
Allyl Chloride			06/06/2017	06/06/2017	1	0		
Aluminum			01/09/2013	12/07/2017	16	1	50.7	50.7
Ammonia			01/09/2013	12/07/2017	16	13	400	72.1
Anthracene			12/07/2017	12/07/2017	1	0		
Antimony			01/09/2013	12/07/2017	16	0		
APFO			01/09/2013	12/07/2017	16	16	22	15
Arsenic		X (10)	03/01/2016	12/07/2017	4	4	20.9	14.8
Benzene		X (5)	06/06/2017	06/06/2017	1	0		
Benzo(A)Anthracene			12/07/2017	12/07/2017	1	0		
Benzo(B)Fluoranthene			12/07/2017	12/07/2017	1	0		
Benzo(G,H,I)Perylene			12/07/2017	12/07/2017	1	0		
Benzo(K)Fluoranthene			12/07/2017	12/07/2017	1	0		
Benzo[A]Pyrene		X (0.2)	12/07/2017	12/07/2017	1	0		
Benzyl Alcohol			12/07/2017	12/07/2017	1	0		
Beryllium	X (4)	X (4)	01/09/2013	12/07/2017	16	0		
Bis(2-Chloroethoxy)Methane			12/07/2017	12/07/2017	1	0		
Bis(2-Chloroethyl)Ether			12/07/2017	12/07/2017	1	0		
Bis(2-Chloroisopropyl)Ether			12/07/2017	12/07/2017	1	0		
Bis(2-Ethylhexyl)Phthalate			12/07/2017	12/07/2017	1	0		
Boron			01/09/2013	12/07/2017	16	16	163	59.2
Bromochloromethane			06/06/2017	06/06/2017	1	0		
Bromoform		X (80)	06/06/2017	06/06/2017	1	0		
Butyl Benzyl Phthalate			12/07/2017	12/07/2017	1	0		
Cadmium	X (5)	X (5)	01/09/2013	12/07/2017	16	0		
Carbon Disulfide			06/06/2017	06/06/2017	1	0		
Carbon Tetrachloride		X (5)	06/06/2017	06/06/2017	1	0		
Chemical Oxygen Demand (COD)			01/09/2013	12/07/2017	16	0		
Chloride			01/09/2013	12/07/2017	16	16	13,400	10,300
Chlorobenzene			06/06/2017	06/06/2017	1	0		

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Chlorobenzilate			12/07/2017	12/07/2017	1	0		
Chlorodibromomethane			06/06/2017	06/06/2017	1	0		
Chloroform		X (80)	06/06/2017	06/06/2017	1	0		
Chloroprene			06/06/2017	06/06/2017	1	0		
Chromium		X (100)	06/06/2017	12/07/2017	2	0		
Chrysene			12/07/2017	12/07/2017	1	0		
cis-1,2 Dichloroethene		X (70)	06/06/2017	06/06/2017	1	0		
cis-1,3-Dichloropropene			06/06/2017	06/06/2017	1	0		
Cobalt			06/06/2017	12/07/2017	2	0		
Copper	X (1,300)	X (1,300)	01/09/2013	12/07/2017	16	0		
Cresol			12/07/2017	12/07/2017	1	0		
Diallate			12/07/2017	12/07/2017	1	0		
Dibenz(A,H)Anthracene			12/07/2017	12/07/2017	1	0		
Dibenzofuran			12/07/2017	12/07/2017	1	0		
Dichlorodifluoromethane			06/06/2017	06/06/2017	1	0		
Diethyl Phthalate			12/07/2017	12/07/2017	1	0		
Dimethoate			12/07/2017	12/07/2017	1	0		
Dimethyl Phthalate			12/07/2017	12/07/2017	1	0		
Di-N-Butyl Phthalate			12/07/2017	12/07/2017	1	0		
Dinoseb		X (7)	12/07/2017	12/07/2017	1	0		
Diphenyl Amine			12/07/2017	12/07/2017	1	0		
Ethyl Chloride			06/06/2017	06/06/2017	1	0		
Ethylbenzene		X (700)	06/06/2017	06/06/2017	1	0		
Fluoranthene			12/07/2017	12/07/2017	1	0		
Fluorene			12/07/2017	12/07/2017	1	0		
Fluoride	X (4,000)	X (4,000)	01/09/2013	12/07/2017	16	15	505	363
Hexachlorobenzene		X (1)	12/07/2017	12/07/2017	1	0		
Hexachlorobutadiene			12/07/2017	12/07/2017	1	0		
Hexachlorocyclopentadiene		X (50)	12/07/2017	12/07/2017	1	0		
Hexachloroethane			12/07/2017	12/07/2017	1	0		
Hexachloropropylene			12/07/2017	12/07/2017	1	0		
Indeno (1,2,3-CD) Pyrene			12/07/2017	12/07/2017	1	0		
Iodomethane			06/06/2017	06/06/2017	1	0		
Iron			01/09/2013	12/07/2017	16	1	85.6	85.6
Isobutyl Alcohol			06/06/2017	06/06/2017	1	0		
Isodrin			12/07/2017	12/07/2017	1	0		
Isophorone			12/07/2017	12/07/2017	1	0		
Kepone			12/07/2017	12/07/2017	1	0		
Lead		X (15)	06/06/2017	12/07/2017	2	0		
Manganese			01/09/2013	12/07/2017	16	1	16.8	16.8
Mercury		X (0.2)	06/06/2017	12/07/2017	2	0		
Methacrylonitrile			06/06/2017	06/06/2017	1	0		
Methapyrilene			12/07/2017	12/07/2017	1	0		
Methyl Bromide			06/06/2017	06/06/2017	1	0		
Methyl Chloride			06/06/2017	06/06/2017	1	0		
Methyl Ethyl Ketone			06/06/2017	06/06/2017	1	0		
Methyl Methacrylate			06/06/2017	06/06/2017	1	0		
Methyl Methanesulfonate			12/07/2017	12/07/2017	1	0		

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Methylene Bromide			06/06/2017	06/06/2017	1	0		
Methylene Chloride			06/06/2017	06/06/2017	1	0		
Naphthalene			06/06/2017	06/06/2017	1	0		
N-Dioctyl Phthalate			12/07/2017	12/07/2017	1	0		
Nickel			06/06/2017	12/07/2017	2	0		
Nitrate	X (10,000)	X (10,000)	01/09/2013	12/07/2017	16	16	1,620	882
Nitrite	X (1,000)	X (1,000)	01/09/2013	12/07/2017	16	1	5.79	5.79
Nitrobenzene			12/07/2017	12/07/2017	1	0		
Nitrogen			04/04/2013	12/07/2017	9	9	1,610	882
N-Nitroso(Methyl)Ethylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodiethylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodimethylamine			12/07/2017	12/07/2017	1	0		
N-Nitroso-Di-N-Butylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodi-N-Propylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosodiphenylamine			12/07/2017	12/07/2017	1	0		
N-Nitrosomorpholine			12/07/2017	12/07/2017	1	0		
N-Nitrosopiperidine			12/07/2017	12/07/2017	1	0		
N-Nitrosopyrrolidine			12/07/2017	12/07/2017	1	0		
O,O,O-Triethylphosphorothioate			12/07/2017	12/07/2017	1	0		
O-Toluidine			12/07/2017	12/07/2017	1	0		
para-Phenylenediamine			12/07/2017	12/07/2017	1	0		
Pentachlorobenzene			12/07/2017	12/07/2017	1	0		
Pentachloronitrobenzene			12/07/2017	12/07/2017	1	0		
Pentachlorophenol		X (1)	12/07/2017	12/07/2017	2	0		
PFOA			01/09/2013	12/07/2017	16	16	21	14
Phenacetin			12/07/2017	12/07/2017	1	0		
Phenanthrene			12/07/2017	12/07/2017	1	0		
Phenol			12/07/2017	12/07/2017	1	0		
Pronamide			12/07/2017	12/07/2017	1	0		
Propionitrile			06/06/2017	06/06/2017	1	0		
Pyrene			12/07/2017	12/07/2017	1	0		
Safrole			12/07/2017	12/07/2017	1	0		
Selenium		X (50)	03/01/2016	12/07/2017	4	4	12.5	0.729
Silver			01/09/2013	12/07/2017	16	0		
Silvex		X (50)	12/07/2017	12/07/2017	1	0		
Styrene		X (100)	06/06/2017	06/06/2017	1	0		
Sulfate			01/09/2013	12/07/2017	16	16	33,600	30,800
Tetrachloroethene		X (5)	06/06/2017	06/06/2017	1	0		
Thallium	X (2)	X (2)	01/09/2013	12/07/2017	16	2	0.204	0.135
Thionazin			12/07/2017	12/07/2017	1	0		
Tin			06/06/2017	12/07/2017	2	0		
Toluene		X (1,000)	06/06/2017	06/06/2017	1	0		
Total Dissolved Solids			01/09/2013	12/07/2017	16	16	454,000	374,000
Total Organic Carbon			01/09/2013	12/07/2017	16	16	32,300	1,160
Total Suspended Solids			01/09/2013	12/07/2017	16	1	3,500	3,500
trans-1,2-Dichloroethene		X (100)	06/06/2017	06/06/2017	1	0		
trans-1,3-Dichloropropene			06/06/2017	06/06/2017	1	0		
trans-1,4-Dichlorobutene-2			06/06/2017	06/06/2017	1	0		

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Trichloroethene		X (5)	06/06/2017	06/06/2017	1	0		
Trichlorofluoromethane			06/06/2017	06/06/2017	1	0		
Vanadium			06/06/2017	12/07/2017	2	2	8.83	7.95
Vinyl Acetate			06/06/2017	06/06/2017	1	0		
Vinyl Chloride		X (2)	06/06/2017	06/06/2017	1	0		
Xylenes		X (10,000)	06/06/2017	06/06/2017	1	0		

Appendix A, Table 7
MW13A Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum			01/09/2013	12/07/2017	16	0		
Ammonia			01/09/2013	12/07/2017	16	15	260	67.3
Antimony			01/09/2013	12/07/2017	16	1	0.574	0.574
APFO			01/09/2013	12/07/2017	16	16	3.2	0.73
Arsenic		X (10)	03/01/2016	12/07/2017	4	0		
Beryllium	X (4)	X (4)	01/09/2013	12/07/2017	16	0		
Boron			01/09/2013	12/07/2017	16	10	79.4	50.1
Cadmium		X (5)	01/09/2013	12/07/2017	16	0		
Chemical Oxygen Demand (COD)			01/09/2013	12/07/2017	16	2	16,300	11,400
Chloride			01/09/2013	12/07/2017	16	13	3,530	1,070
Copper	X (1,300)	X (1,300)	01/09/2013	12/07/2017	16	0		
Fluoride	X (4,000)	X (4,000)	01/09/2013	12/07/2017	16	12	394	51
Iron			01/09/2013	12/07/2017	16	0		
Manganese			01/09/2013	12/07/2017	16	0		
Nitrate	X (10,000)	X (10,000)	01/09/2013	12/07/2017	16	16	5,010	152
Nitrite	X (1,000)	X (1,000)	01/09/2013	12/07/2017	16	2	52.8	5.44
Nitrogen			04/04/2013	12/07/2017	9	9	3,340	152
PFOA			01/09/2013	12/07/2017	16	16	3.1	0.7
Selenium		X (50)	03/01/2016	12/07/2017	4	1	0.775	0.775
Silver			01/09/2013	12/07/2017	16	0		
Sulfate			01/09/2013	12/07/2017	16	16	33,300	18,400
Thallium	X (2)	X (2)	01/09/2013	12/07/2017	16	1	0.318	0.318
Total Dissolved Solids			01/09/2013	12/07/2017	16	16	324,000	148,000
Total Organic Carbon			01/09/2013	12/07/2017	15	15	11,900	1,980
Total Suspended Solids			01/09/2013	12/07/2017	16	1	4,000	4,000

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MW14 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/07/2017	12/04/2017	2	0		
1,1,1-Trichloroethane		X (200)	06/07/2017	12/04/2017	2	0		
1,1,2,2-Tetrachloroethane			06/07/2017	12/04/2017	2	0		
1,1,2-Trichloroethane		X (5)	06/07/2017	12/04/2017	2	0		
1,1-Dichloroethane			06/07/2017	12/04/2017	2	0		
1,1-Dichloroethene		X (7)	06/07/2017	12/04/2017	2	0		
1,1-Dichloropropene			06/07/2017	12/04/2017	2	0		
1,2,3-Trichloropropane			06/07/2017	12/04/2017	2	0		
1,2,4,5-Tetrachlorobenzene			12/04/2017	12/04/2017	1	0		
1,2,4-Trichlorobenzene		X (70)	06/07/2017	12/04/2017	2	0		
1,2-Dibromo-3-Chloropropane			06/07/2017	12/04/2017	2	0		
1,2-Dibromoethane (EDB)			06/07/2017	12/04/2017	2	0		
1,2-Dichlorobenzene			06/07/2017	12/04/2017	2	0		
1,2-Dichloroethane		X (5)	06/07/2017	12/04/2017	2	0		
1,2-Dichloropropane		X (5)	06/07/2017	12/04/2017	2	0		
1,3,5-Trinitrobenzene			12/04/2017	12/04/2017	1	0		
1,3-Dichlorobenzene			06/07/2017	12/04/2017	2	0		
1,3-Dichloropropane			06/07/2017	12/04/2017	2	0		
1,3-Dinitrobenzene			12/04/2017	12/04/2017	1	0		
1,4-Dichlorobenzene			06/07/2017	12/04/2017	2	0		
1,4-Naphthoquinone			12/04/2017	12/04/2017	1	0		
1-Naphthylamine			12/04/2017	12/04/2017	1	0		
2,2-Dichloropropane			06/07/2017	12/04/2017	2	0		
2,3,4,6-Tetrachlorophenol			12/04/2017	12/04/2017	1	0		
2,4,5-T			12/04/2017	12/04/2017	1	0		
2,4,5-Trichlorophenol			12/04/2017	12/04/2017	1	0		
2,4,6-Trichlorophenol			12/04/2017	12/04/2017	1	0		
2,4-Dichlorophenol			12/04/2017	12/04/2017	1	0		
2,4-Dichlorophenoxyacetic Acid			12/04/2017	12/04/2017	1	0		
2,4-Dimethylphenol			12/04/2017	12/04/2017	1	0		
2,4-Dinitrophenol			12/04/2017	12/04/2017	1	0		
2,4-Dinitrotoluene			12/04/2017	12/04/2017	1	0		
2,6-Dichlorophenol			12/04/2017	12/04/2017	1	0		
2,6-Dinitrotoluene			12/04/2017	12/04/2017	1	0		
2-Acetylaminofluorene			12/04/2017	12/04/2017	1	0		
2-Chloronaphthalene			12/04/2017	12/04/2017	1	0		
2-Chlorophenol			12/04/2017	12/04/2017	1	0		
2-Hexanone			06/07/2017	12/04/2017	2	0		
2-Methylnaphthalene			12/04/2017	12/04/2017	1	0		
2-Methylphenol (O-Cresol)			12/04/2017	12/04/2017	1	0		
2-Naphthylamine			12/04/2017	12/04/2017	1	0		
2-Nitroaniline			12/04/2017	12/04/2017	1	0		
2-Nitrophenol			12/04/2017	12/04/2017	1	0		
3,3'-Dichlorobenzidine			12/04/2017	12/04/2017	1	0		
3,3'-Dimethylbenzidine			12/04/2017	12/04/2017	1	0		
3-Methylcholanthrene			12/04/2017	12/04/2017	1	0		

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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			12/04/2017	12/04/2017	1	0		
4,4'-DDD			12/04/2017	12/04/2017	1	0		
4,4'-DDE			12/04/2017	12/04/2017	1	0		
4,4'-DDT			12/04/2017	12/04/2017	1	0		
4,6-Dinitro-2-Methylphenol			12/04/2017	12/04/2017	1	0		
4-Aminobiphenyl			12/04/2017	12/04/2017	1	0		
4-Bromophenyl Phenyl Ether			12/04/2017	12/04/2017	1	0		
4-Chloro-3-Methylphenol			12/04/2017	12/04/2017	1	0		
4-Chloroaniline			12/04/2017	12/04/2017	1	0		
4-Chlorophenyl Phenyl Ether			12/04/2017	12/04/2017	1	0		
4-Dimethylaminoazobenzene			12/04/2017	12/04/2017	1	0		
4-Nitroaniline			12/04/2017	12/04/2017	1	0		
4-Nitrophenol			12/04/2017	12/04/2017	1	0		
5-Nitro-Ortho-Toluidine			12/04/2017	12/04/2017	1	0		
7,12-Dimethylbenz[A]Anthracene			12/04/2017	12/04/2017	1	0		
Acenaphthene			12/04/2017	12/04/2017	1	0		
Acenaphthylene			12/04/2017	12/04/2017	1	0		
Acetone			06/07/2017	12/04/2017	2	1	3.05	3.05
Acetonitrile			06/07/2017	12/04/2017	2	0		
Acetophenone			12/04/2017	12/04/2017	1	0		
Acrolein			06/07/2017	12/04/2017	2	0		
Acrylonitrile			06/07/2017	12/04/2017	2	0		
Aldrin			12/04/2017	12/04/2017	1	0		
Allyl Chloride			06/07/2017	12/04/2017	2	0		
Alpha-BHC			12/04/2017	12/04/2017	1	0		
Aluminum			01/07/2013	12/04/2017	16	0		
Ammonia			01/07/2013	12/04/2017	16	16	697	434
Anthracene			12/04/2017	12/04/2017	1	0		
Antimony			01/07/2013	12/04/2017	16	0		
APFO			01/07/2013	12/04/2017	18	18	0.045	0.027
Arsenic		X (10)	03/01/2016	12/04/2017	4	4	12.2	9.48
Benzene		X (5)	06/07/2017	12/04/2017	2	1	0.18	0.18
Benzo(A)Anthracene			12/04/2017	12/04/2017	1	0		
Benzo(B)Fluoranthene			12/04/2017	12/04/2017	1	0		
Benzo(G,H,I)Perylene			12/04/2017	12/04/2017	1	0		
Benzo(K)Fluoranthene			12/04/2017	12/04/2017	1	0		
Benzo[A]Pyrene		X (0.2)	12/04/2017	12/04/2017	1	0		
Benzyl Alcohol			12/04/2017	12/04/2017	1	0		
Beryllium		X (4)	01/07/2013	12/04/2017	16	0		
beta-BHC			12/04/2017	12/04/2017	1	0		
Bis(2-Chloroethoxy)Methane			12/04/2017	12/04/2017	1	0		
Bis(2-Chloroethyl)Ether			12/04/2017	12/04/2017	1	0		
Bis(2-Chloroisopropyl)Ether			12/04/2017	12/04/2017	1	0		
Bis(2-Ethylhexyl)Phthalate			12/04/2017	12/04/2017	1	0		
Boron			01/07/2013	12/04/2017	16	16	244	202
Bromochloromethane			06/07/2017	12/04/2017	2	0		

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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Bromoform		X (80)	06/07/2017	12/04/2017	2	0		
Butyl Benzyl Phthalate			12/04/2017	12/04/2017	1	0		
Cadmium		X (5)	01/07/2013	12/04/2017	16	0		
Carbon Disulfide			06/07/2017	12/04/2017	2	0		
Carbon Tetrachloride		X (5)	06/07/2017	12/04/2017	2	0		
Chemical Oxygen Demand (COD)			01/07/2013	12/04/2017	16	9	56,800	20,900
Chlordane		X (2)	12/04/2017	12/04/2017	1	0		
Chloride			01/07/2013	12/04/2017	16	16	4,230,000	11,000
Chlorobenzene			06/07/2017	12/04/2017	2	0		
Chlorobenzilate			12/04/2017	12/04/2017	1	0		
Chlorodibromomethane			06/07/2017	12/04/2017	2	0		
Chloroform		X (80)	06/07/2017	12/04/2017	2	0		
Chloroprene			06/07/2017	12/04/2017	2	0		
Chromium		X (100)	06/07/2017	12/04/2017	2	0		
Chrysene			12/04/2017	12/04/2017	1	0		
cis-1,2 Dichloroethene		X (70)	06/07/2017	12/04/2017	2	0		
cis-1,3-Dichloropropene			06/07/2017	12/04/2017	2	0		
Cobalt			06/07/2017	12/04/2017	2	0		
Copper		X (1,300)	01/07/2013	12/04/2017	16	0		
Cresol			12/04/2017	12/04/2017	1	0		
delta-BHC			12/04/2017	12/04/2017	1	0		
Diallate			12/04/2017	12/04/2017	1	0		
Dibenz(A,H)Anthracene			12/04/2017	12/04/2017	1	0		
Dibenzofuran			12/04/2017	12/04/2017	1	0		
Dichlorodifluoromethane			06/07/2017	12/04/2017	2	0		
Dieldrin			12/04/2017	12/04/2017	1	0		
Diethyl Phthalate			12/04/2017	12/04/2017	1	0		
Dimethoate			12/04/2017	12/04/2017	1	0		
Dimethyl Phthalate			12/04/2017	12/04/2017	1	0		
Di-N-Butyl Phthalate			12/04/2017	12/04/2017	1	0		
Dinoseb		X (7)	12/04/2017	12/04/2017	1	0		
Diphenyl Amine			12/04/2017	12/04/2017	1	0		
Endosulfan I			12/04/2017	12/04/2017	1	0		
Endosulfan II			12/04/2017	12/04/2017	1	0		
Endosulfan Sulfate			12/04/2017	12/04/2017	1	0		
Endrin		X (2)	12/04/2017	12/04/2017	1	0		
Endrin Aldehyde			12/04/2017	12/04/2017	1	0		
Endrin Ketone			12/04/2017	12/04/2017	1	0		
Ethyl Chloride			06/07/2017	12/04/2017	2	0		
Ethylbenzene		X (700)	06/07/2017	12/04/2017	2	0		
Fluoranthene			12/04/2017	12/04/2017	1	0		
Fluorene			12/04/2017	12/04/2017	1	0		
Fluoride		X (4,000)	01/07/2013	12/04/2017	16	16	673	451
Heptachlor		X (0.4)	12/04/2017	12/04/2017	1	0		
Heptachlor Epoxide		X (0.2)	12/04/2017	12/04/2017	1	0		
Hexachlorobenzene		X (1)	12/04/2017	12/04/2017	1	0		

Appendix A, Table 8
MW14 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Hexachlorobutadiene			12/04/2017	12/04/2017	1	0		
Hexachlorocyclopentadiene		X (50)	12/04/2017	12/04/2017	1	0		
Hexachloroethane			12/04/2017	12/04/2017	1	0		
Hexachloropropylene			12/04/2017	12/04/2017	1	0		
Indeno (1,2,3-CD) Pyrene			12/04/2017	12/04/2017	1	0		
Iodomethane			06/07/2017	12/04/2017	2	0		
Iron			01/07/2013	12/04/2017	16	16	763	100
Isobutyl Alcohol			06/07/2017	12/04/2017	2	0		
Isodrin			12/04/2017	12/04/2017	1	0		
Isophorone			12/04/2017	12/04/2017	1	0		
Kepone			12/04/2017	12/04/2017	1	0		
Lead		X (15)	06/07/2017	12/04/2017	2	0		
Lindane		X (0.2)	12/04/2017	12/04/2017	1	0		
Manganese			01/07/2013	12/04/2017	16	16	197	96.1
Mercury		X (2)	06/07/2017	12/04/2017	2	0		
Methacrylonitrile			06/07/2017	12/04/2017	2	0		
Methapyrilene			12/04/2017	12/04/2017	1	0		
Methoxychlor		X (40)	12/04/2017	12/04/2017	1	0		
Methyl Bromide			06/07/2017	12/04/2017	2	0		
Methyl Chloride			06/07/2017	12/04/2017	2	0		
Methyl Ethyl Ketone			06/07/2017	12/04/2017	2	0		
Methyl Isobutyl Ketone			12/04/2017	12/04/2017	1	0		
Methyl Methacrylate			06/07/2017	12/04/2017	2	0		
Methyl Methanesulfonate			12/04/2017	12/04/2017	1	0		
Methylene Bromide			06/07/2017	12/04/2017	2	0		
Methylene Chloride			06/07/2017	12/04/2017	2	0		
Naphthalene			06/07/2017	12/04/2017	2	0		
N-Dioctyl Phthalate			12/04/2017	12/04/2017	1	0		
Nickel			06/07/2017	12/04/2017	2	0		
Nitrate		X (10,000)	01/07/2013	12/04/2017	16	13	608	57
Nitrite		X (1,000)	01/07/2013	12/04/2017	16	0		
Nitrobenzene			12/04/2017	12/04/2017	1	0		
Nitrogen			04/17/2014	12/04/2017	5	3	189	60
N-Nitroso(Methyl)Ethylamine			12/04/2017	12/04/2017	1	0		
N-Nitrosodiethylamine			12/04/2017	12/04/2017	1	0		
N-Nitrosodimethylamine			12/04/2017	12/04/2017	1	0		
N-Nitroso-Di-N-Butylamine			12/04/2017	12/04/2017	1	0		
N-Nitrosodi-N-Propylamine			12/04/2017	12/04/2017	1	0		
N-Nitrosodiphenylamine			12/04/2017	12/04/2017	1	0		
N-Nitrosomorpholine			12/04/2017	12/04/2017	1	0		
N-Nitrosopiperidine			12/04/2017	12/04/2017	1	0		
N-Nitrosopyrrolidine			12/04/2017	12/04/2017	1	0		
O,O,O-Triethylphosphorothioate			12/04/2017	12/04/2017	1	0		
O-Toluidine			12/04/2017	12/04/2017	1	0		
para-Phenylenediamine			12/04/2017	12/04/2017	1	0		
PCB 1016		X (0.5)	12/04/2017	12/04/2017	1	0		

Appendix A, Table 8
MW14 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
PCB 1221		X (0.5)	12/04/2017	12/04/2017	1	0		
PCB 1232		X (0.5)	12/04/2017	12/04/2017	1	0		
PCB 1242		X (0.5)	12/04/2017	12/04/2017	1	0		
PCB 1248		X (0.5)	12/04/2017	12/04/2017	1	0		
PCB 1254		X (0.5)	12/04/2017	12/04/2017	1	0		
PCB 1260		X (0.5)	12/04/2017	12/04/2017	1	0		
Pentachlorobenzene			12/04/2017	12/04/2017	1	0		
Pentachloronitrobenzene			12/04/2017	12/04/2017	1	0		
Pentachlorophenol		X (50)	12/04/2017	12/04/2017	2	0		
PFOA			01/07/2013	12/04/2017	18	18	0.044	0.026
Phenacetin			12/04/2017	12/04/2017	1	0		
Phenanthrene			12/04/2017	12/04/2017	1	0		
Phenol			12/04/2017	12/04/2017	1	0		
Pronamide			12/04/2017	12/04/2017	1	0		
Propionitrile			06/07/2017	12/04/2017	2	0		
Pyrene			12/04/2017	12/04/2017	1	0		
Safrole			12/04/2017	12/04/2017	1	0		
Selenium		X (50)	03/01/2016	12/04/2017	4	3	48.3	10.3
Silver			01/07/2013	12/04/2017	16	0		
Silvex		X (50)	12/04/2017	12/04/2017	1	0		
Styrene		X (100)	06/07/2017	12/04/2017	2	0		
Sulfate			01/07/2013	12/04/2017	16	7	17,400	3,840
Tetrachloroethene		X (5)	06/07/2017	12/04/2017	2	0		
Thallium		X (2)	01/07/2013	12/04/2017	16	1	0.223	0.223
Thionazin			12/04/2017	12/04/2017	1	0		
Tin			06/07/2017	12/04/2017	2	0		
Toluene		X (1,000)	06/07/2017	12/04/2017	2	0		
Total Dissolved Solids			01/07/2013	12/04/2017	16	16	7,180,000	4,910,000
Total Organic Carbon			01/07/2013	12/04/2017	16	12	31,400	997
Total Suspended Solids			01/07/2013	12/04/2017	16	11	8,000	3,500
Toxaphene		X (3)	12/04/2017	12/04/2017	1	0		
trans-1,2-Dichloroethene		X (5)	06/07/2017	12/04/2017	2	0		
trans-1,3-Dichloropropene			06/07/2017	12/04/2017	2	0		
trans-1,4-Dichlorobutene-2			06/07/2017	12/04/2017	2	0		
Trichloroethene		X (5)	06/07/2017	12/04/2017	2	0		
Trichlorofluoromethane			06/07/2017	12/04/2017	2	0		
Vanadium			06/07/2017	12/04/2017	2	0		
Vinyl Acetate			06/07/2017	12/04/2017	2	0		
Vinyl Chloride		X (2)	06/07/2017	12/04/2017	2	0		
Xylenes		X (10,000)	06/07/2017	12/04/2017	2	0		

Yellow cells indicate parameters that exceed groundwater standards

Appendix A, Table 9
MW15 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/07/2017	12/05/2017	2	0		
1,1,1-Trichloroethane		X (200)	06/07/2017	12/05/2017	2	0		
1,1,2,2-Tetrachloroethane			06/07/2017	12/05/2017	2	0		
1,1,2-Trichloroethane		X (5)	06/07/2017	12/05/2017	2	0		
1,1-Dichloroethane			06/07/2017	12/05/2017	2	0		
1,1-Dichloroethene		X (7)	06/07/2017	12/05/2017	2	0		
1,1-Dichloropropene			06/07/2017	12/05/2017	2	0		
1,2,3-Trichloropropane			06/07/2017	12/05/2017	2	0		
1,2,4,5-Tetrachlorobenzene			12/05/2017	12/05/2017	1	0		
1,2,4-Trichlorobenzene		X (70)	06/07/2017	12/05/2017	2	0		
1,2-Dibromo-3-Chloropropane			06/07/2017	12/05/2017	2	0		
1,2-Dibromoethane (EDB)			06/07/2017	12/05/2017	2	0		
1,2-Dichlorobenzene			06/07/2017	12/05/2017	2	0		
1,2-Dichloroethane		X (5)	06/07/2017	12/05/2017	2	0		
1,2-Dichloropropane		X (5)	06/07/2017	12/05/2017	2	0		
1,3,5-Trinitrobenzene			12/05/2017	12/05/2017	1	0		
1,3-Dichlorobenzene			06/07/2017	12/05/2017	2	0		
1,3-Dichloropropane			06/07/2017	12/05/2017	2	0		
1,3-Dinitrobenzene			12/05/2017	12/05/2017	1	0		
1,4-Dichlorobenzene			06/07/2017	12/05/2017	2	0		
1,4-Naphthoquinone			12/05/2017	12/05/2017	1	0		
1-Naphthylamine			12/05/2017	12/05/2017	1	0		
2,2-Dichloropropane			06/07/2017	12/05/2017	2	0		
2,3,4,6-Tetrachlorophenol			12/05/2017	12/05/2017	1	0		
2,4,5-T			12/05/2017	12/05/2017	1	0		
2,4,5-Trichlorophenol			12/05/2017	12/05/2017	1	0		
2,4,6-Trichlorophenol			12/05/2017	12/05/2017	1	0		
2,4-Dichlorophenol			12/05/2017	12/05/2017	1	0		
2,4-Dichlorophenoxyacetic Acid			12/05/2017	12/05/2017	1	0		
2,4-Dimethylphenol			12/05/2017	12/05/2017	1	0		
2,4-Dinitrophenol			12/05/2017	12/05/2017	1	0		
2,4-Dinitrotoluene			12/05/2017	12/05/2017	1	0		
2,6-Dichlorophenol			12/05/2017	12/05/2017	1	0		
2,6-Dinitrotoluene			12/05/2017	12/05/2017	1	0		
2-Acetylaminofluorene			12/05/2017	12/05/2017	1	0		
2-Chloronaphthalene			12/05/2017	12/05/2017	1	0		
2-Chlorophenol			12/05/2017	12/05/2017	1	0		
2-Hexanone			06/07/2017	12/05/2017	2	0		
2-Methylnaphthalene			12/05/2017	12/05/2017	1	0		
2-Methylphenol (O-Cresol)			12/05/2017	12/05/2017	1	0		
2-Naphthylamine			12/05/2017	12/05/2017	1	0		
2-Nitroaniline			12/05/2017	12/05/2017	1	0		
2-Nitrophenol			12/05/2017	12/05/2017	1	0		
3,3'-Dichlorobenzidine			12/05/2017	12/05/2017	1	0		
3,3'-Dimethylbenzidine			12/05/2017	12/05/2017	1	0		
3-Methylcholanthrene			12/05/2017	12/05/2017	1	0		

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MW15 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			12/05/2017	12/05/2017	1	0		
4,4'-DDD			12/05/2017	12/05/2017	1	0		
4,4'-DDE			12/05/2017	12/05/2017	1	0		
4,4'-DDT			12/05/2017	12/05/2017	1	0		
4,6-Dinitro-2-Methylphenol			12/05/2017	12/05/2017	1	0		
4-Aminobiphenyl			12/05/2017	12/05/2017	1	0		
4-Bromophenyl Phenyl Ether			12/05/2017	12/05/2017	1	0		
4-Chloro-3-Methylphenol			12/05/2017	12/05/2017	1	0		
4-Chloroaniline			12/05/2017	12/05/2017	1	0		
4-Chlorophenyl Phenyl Ether			12/05/2017	12/05/2017	1	0		
4-Dimethylaminoazobenzene			12/05/2017	12/05/2017	1	0		
4-Nitroaniline			12/05/2017	12/05/2017	1	0		
4-Nitrophenol			12/05/2017	12/05/2017	1	0		
5-Nitro-Ortho-Toluidine			12/05/2017	12/05/2017	1	0		
7,12-Dimethylbenz[A]Anthracene			12/05/2017	12/05/2017	1	0		
Acenaphthene			12/05/2017	12/05/2017	1	0		
Acenaphthylene			12/05/2017	12/05/2017	1	0		
Acetone			06/07/2017	12/05/2017	2	0		
Acetonitrile			06/07/2017	12/05/2017	2	0		
Acetophenone			12/05/2017	12/05/2017	1	0		
Acrolein			06/07/2017	12/05/2017	2	0		
Acrylonitrile			06/07/2017	12/05/2017	2	0		
Aldrin			12/05/2017	12/05/2017	1	0		
Allyl Chloride			06/07/2017	12/05/2017	2	0		
Alpha-BHC			12/05/2017	12/05/2017	1	0		
Aluminum			01/07/2013	12/05/2017	16	0		
Ammonia			01/07/2013	12/05/2017	16	13	193	78.8
Anthracene			12/05/2017	12/05/2017	1	0		
Antimony			01/07/2013	12/05/2017	16	0		
APFO			01/07/2013	12/05/2017	17	17	3.1	1.1
Arsenic		X (10)	03/01/2016	12/05/2017	4	4	4.35	2.91
Benzene		X (5)	06/07/2017	12/05/2017	2	0		
Benzo(A)Anthracene			12/05/2017	12/05/2017	1	0		
Benzo(B)Fluoranthene			12/05/2017	12/05/2017	1	0		
Benzo(G,H,I)Perylene			12/05/2017	12/05/2017	1	0		
Benzo(K)Fluoranthene			12/05/2017	12/05/2017	1	0		
Benzo[A]Pyrene		X (0.2)	12/05/2017	12/05/2017	1	0		
Benzyl Alcohol			12/05/2017	12/05/2017	1	0		
Beryllium	X (4)	X (4)	01/07/2013	12/05/2017	16	0		
beta-BHC			12/05/2017	12/05/2017	1	0		
Bis(2-Chloroethoxy)Methane			12/05/2017	12/05/2017	1	0		
Bis(2-Chloroethyl)Ether			12/05/2017	12/05/2017	1	0		
Bis(2-Chloroisopropyl)Ether			12/05/2017	12/05/2017	1	0		
Bis(2-Ethylhexyl)Phthalate			12/05/2017	12/05/2017	1	1	4.54	4.54
Boron			01/07/2013	12/05/2017	16	16	247	202
Bromochloromethane			06/07/2017	12/05/2017	2	0		

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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Bromoform		X (80)	06/07/2017	12/05/2017	2	0		
Butyl Benzyl Phthalate			12/05/2017	12/05/2017	1	0		
Cadmium	X (5)	X (5)	01/07/2013	12/05/2017	16	0		
Carbon Disulfide			06/07/2017	12/05/2017	2	0		
Carbon Tetrachloride		X (5)	06/07/2017	12/05/2017	2	0		
Chemical Oxygen Demand (COD)			01/07/2013	12/05/2017	16	3	28,300	14,000
Chlordane		X (2)	12/05/2017	12/05/2017	1	0		
Chloride			01/07/2013	12/05/2017	16	16	3,990,000	6,910
Chlorobenzene			06/07/2017	12/05/2017	2	0		
Chlorobenzilate			12/05/2017	12/05/2017	1	0		
Chlorodibromomethane			06/07/2017	12/05/2017	2	0		
Chloroform		X (80)	06/07/2017	12/05/2017	2	0		
Chloroprene			06/07/2017	12/05/2017	2	0		
Chromium		X (100)	06/07/2017	12/05/2017	2	0		
Chrysene			12/05/2017	12/05/2017	1	0		
cis-1,2 Dichloroethene		X (70)	06/07/2017	12/05/2017	2	0		
cis-1,3-Dichloropropene			06/07/2017	12/05/2017	2	0		
Cobalt			06/07/2017	12/05/2017	2	0		
Copper	X (1,300)	X (1,300)	01/07/2013	12/05/2017	16	0		
Cresol			12/05/2017	12/05/2017	1	0		
delta-BHC			12/05/2017	12/05/2017	1	0		
Diallate			12/05/2017	12/05/2017	1	0		
Dibenz(A,H)Anthracene			12/05/2017	12/05/2017	1	0		
Dibenzofuran			12/05/2017	12/05/2017	1	0		
Dichlorodifluoromethane			06/07/2017	12/05/2017	2	0		
Dieldrin			12/05/2017	12/05/2017	1	0		
Diethyl Phthalate			12/05/2017	12/05/2017	1	0		
Dimethoate			12/05/2017	12/05/2017	1	0		
Dimethyl Phthalate			12/05/2017	12/05/2017	1	0		
Di-N-Butyl Phthalate			12/05/2017	12/05/2017	1	0		
Dinoseb		X (7)	12/05/2017	12/05/2017	1	0		
Diphenyl Amine			12/05/2017	12/05/2017	1	0		
Endosulfan I			12/05/2017	12/05/2017	1	0		
Endosulfan II			12/05/2017	12/05/2017	1	0		
Endosulfan Sulfate			12/05/2017	12/05/2017	1	0		
Endrin		X (2)	12/05/2017	12/05/2017	1	0		
Endrin Aldehyde			12/05/2017	12/05/2017	1	0		
Endrin Ketone			12/05/2017	12/05/2017	1	0		
Ethyl Chloride			06/07/2017	12/05/2017	2	0		
Ethylbenzene		X (700)	06/07/2017	12/05/2017	2	0		
Fluoranthene			12/05/2017	12/05/2017	1	0		
Fluorene			12/05/2017	12/05/2017	1	0		
Fluoride	X (4,000)	X (4,000)	01/07/2013	12/05/2017	16	16	2,450	1,380
Heptachlor		X (0.4)	12/05/2017	12/05/2017	1	0		
Heptachlor Epoxide		X (0.2)	12/05/2017	12/05/2017	1	0		
Hexachlorobenzene		X (1)	12/05/2017	12/05/2017	1	0		

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Assessment of Corrective Measures
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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Hexachlorobutadiene			12/05/2017	12/05/2017	1	0		
Hexachlorocyclopentadiene		X (50)	12/05/2017	12/05/2017	1	0		
Hexachloroethane			12/05/2017	12/05/2017	1	0		
Hexachloropropylene			12/05/2017	12/05/2017	1	0		
Indeno (1,2,3-CD) Pyrene			12/05/2017	12/05/2017	1	0		
Iodomethane			06/07/2017	12/05/2017	2	0		
Iron			01/07/2013	12/05/2017	16	0		
Isobutyl Alcohol			06/07/2017	12/05/2017	2	0		
Isodrin			12/05/2017	12/05/2017	1	0		
Isophorone			12/05/2017	12/05/2017	1	0		
Kepone			12/05/2017	12/05/2017	1	0		
Lead		X (15)	06/07/2017	12/05/2017	2	0		
Lindane		X (0.2)	12/05/2017	12/05/2017	1	0		
Manganese			01/07/2013	12/05/2017	16	2	19.1	5.08
Mercury		X (2)	06/07/2017	12/05/2017	2	0		
Methacrylonitrile			06/07/2017	12/05/2017	2	0		
Methapyrilene			12/05/2017	12/05/2017	1	0		
Methoxychlor		X (40)	12/05/2017	12/05/2017	1	0		
Methyl Bromide			06/07/2017	12/05/2017	2	0		
Methyl Chloride			06/07/2017	12/05/2017	2	0		
Methyl Ethyl Ketone			06/07/2017	12/05/2017	2	0		
Methyl Isobutyl Ketone			12/05/2017	12/05/2017	1	0		
Methyl Methacrylate			06/07/2017	12/05/2017	2	0		
Methyl Methanesulfonate			12/05/2017	12/05/2017	1	0		
Methylene Bromide			06/07/2017	12/05/2017	2	0		
Methylene Chloride			06/07/2017	12/05/2017	2	0		
Naphthalene			06/07/2017	12/05/2017	2	0		
N-Dioctyl Phthalate			12/05/2017	12/05/2017	1	0		
Nickel			06/07/2017	12/05/2017	2	0		
Nitrate	X (10,000)	X (10,000)	01/07/2013	12/05/2017	16	16	1,160	90
Nitrite	X (1,000)	X (1,000)	01/07/2013	12/05/2017	16	0		
Nitrobenzene			12/05/2017	12/05/2017	1	0		
Nitrogen			07/16/2013	12/05/2017	6	6	867	264
N-Nitroso(Methyl)Ethylamine			12/05/2017	12/05/2017	1	0		
N-Nitrosodiethylamine			12/05/2017	12/05/2017	1	0		
N-Nitrosodimethylamine			12/05/2017	12/05/2017	1	0		
N-Nitroso-Di-N-Butylamine			12/05/2017	12/05/2017	1	0		
N-Nitrosodi-N-Propylamine			12/05/2017	12/05/2017	1	0		
N-Nitrosodiphenylamine			12/05/2017	12/05/2017	1	0		
N-Nitrosomorpholine			12/05/2017	12/05/2017	1	0		
N-Nitrosopiperidine			12/05/2017	12/05/2017	1	0		
N-Nitrosopyrrolidine			12/05/2017	12/05/2017	1	0		
O,O,O-Triethylphosphorothioate			12/05/2017	12/05/2017	1	0		
O-Toluidine			12/05/2017	12/05/2017	1	0		
para-Phenylenediamine			12/05/2017	12/05/2017	1	0		
PCB 1016		X (0.5)	12/05/2017	12/05/2017	1	0		

Appendix A, Table 9
MW15 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
PCB 1221		X (0.5)	12/05/2017	12/05/2017	1	0		
PCB 1232		X (0.5)	12/05/2017	12/05/2017	1	0		
PCB 1242		X (0.5)	12/05/2017	12/05/2017	1	0		
PCB 1248		X (0.5)	12/05/2017	12/05/2017	1	0		
PCB 1254		X (0.5)	12/05/2017	12/05/2017	1	0		
PCB 1260		X (0.5)	12/05/2017	12/05/2017	1	0		
Pentachlorobenzene			12/05/2017	12/05/2017	1	0		
Pentachloronitrobenzene			12/05/2017	12/05/2017	1	0		
Pentachlorophenol		X (50)	12/05/2017	12/05/2017	2	0		
PFOA			01/07/2013	12/05/2017	17	17	2.9	1.1
Phenacetin			12/05/2017	12/05/2017	1	0		
Phenanthrene			12/05/2017	12/05/2017	1	0		
Phenol			12/05/2017	12/05/2017	1	0		
Pronamide			12/05/2017	12/05/2017	1	0		
Propionitrile			06/07/2017	12/05/2017	2	0		
Pyrene			12/05/2017	12/05/2017	1	0		
Safrole			12/05/2017	12/05/2017	1	0		
Selenium		X (50)	03/01/2016	12/05/2017	4	2	1.54	1.4
Silver			01/07/2013	12/05/2017	16	0		
Silvex		X (50)	12/05/2017	12/05/2017	1	0		
Styrene		X (100)	06/07/2017	12/05/2017	2	0		
Sulfate			01/07/2013	12/05/2017	17	17	61,600	31,500
Tetrachloroethene		X (5)	06/07/2017	12/05/2017	2	0		
Thallium	X (2)	X (2)	01/07/2013	12/05/2017	16	2	0.215	0.106
Thionazin			12/05/2017	12/05/2017	1	0		
Tin			06/07/2017	12/05/2017	2	0		
Toluene		X (1,000)	06/07/2017	12/05/2017	2	0		
Total Dissolved Solids			01/07/2013	12/05/2017	16	16	610,000	530,000
Total Organic Carbon			01/07/2013	12/05/2017	16	15	36,900	1,260
Total Suspended Solids			01/07/2013	12/05/2017	16	4	72,500	3,500
Toxaphene		X (3)	12/05/2017	12/05/2017	1	0		
trans-1,2-Dichloroethene		X (5)	06/07/2017	12/05/2017	2	0		
trans-1,3-Dichloropropene			06/07/2017	12/05/2017	2	0		
trans-1,4-Dichlorobutene-2			06/07/2017	12/05/2017	2	0		
Trichloroethene		X (5)	06/07/2017	12/05/2017	2	0		
Trichlorofluoromethane			06/07/2017	12/05/2017	2	0		
Vanadium			06/07/2017	12/05/2017	2	0		
Vinyl Acetate			06/07/2017	12/05/2017	2	0		
Vinyl Chloride		X (2)	06/07/2017	12/05/2017	2	0		
Xylenes		X (10,000)	06/07/2017	12/05/2017	2	0		

Appendix A, Table 10
MW16B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,1-Trichloroethane		X (200)	06/05/2017	12/06/2017	2	2	1.79	0.62
1,1,2,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,2-Trichloroethane		X (5)	06/05/2017	12/06/2017	2	0		
1,1-Dichloroethane			06/05/2017	12/06/2017	2	0		
1,1-Dichloroethene		X (7)	06/05/2017	12/06/2017	2	0		
1,1-Dichloropropene			06/05/2017	12/06/2017	2	0		
1,2,3-Trichloropropane			06/05/2017	12/06/2017	2	0		
1,2,4,5-Tetrachlorobenzene			12/06/2017	12/06/2017	1	0		
1,2,4-Trichlorobenzene		X (70)	06/05/2017	12/06/2017	2	0		
1,2-Dibromo-3-Chloropropane			06/05/2017	12/06/2017	2	0		
1,2-Dibromoethane (EDB)			06/05/2017	12/06/2017	2	0		
1,2-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,2-Dichloroethane		X (5)	06/05/2017	12/06/2017	2	0		
1,2-Dichloropropane		X (5)	06/05/2017	12/06/2017	2	0		
1,3,5-Trinitrobenzene			12/06/2017	12/06/2017	1	0		
1,3-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,3-Dichloropropane			06/05/2017	12/06/2017	2	0		
1,3-Dinitrobenzene			12/06/2017	12/06/2017	1	0		
1,4-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,4-Naphthoquinone			12/06/2017	12/06/2017	1	0		
1-Naphthylamine			12/06/2017	12/06/2017	1	0		
2,2-Dichloropropane			06/05/2017	12/06/2017	2	0		
2,3,4,6-Tetrachlorophenol			12/06/2017	12/06/2017	1	0		
2,4,5-T			12/06/2017	12/06/2017	1	0		
2,4,5-Trichlorophenol			12/06/2017	12/06/2017	1	0		
2,4,6-Trichlorophenol			12/06/2017	12/06/2017	1	0		
2,4-Dichlorophenol			12/06/2017	12/06/2017	1	0		
2,4-Dichlorophenoxyacetic Acid			12/06/2017	12/06/2017	1	0		
2,4-Dimethylphenol			12/06/2017	12/06/2017	1	0		
2,4-Dinitrophenol			12/06/2017	12/06/2017	1	0		
2,4-Dinitrotoluene			12/06/2017	12/06/2017	1	0		
2,6-Dichlorophenol			12/06/2017	12/06/2017	1	0		
2,6-Dinitrotoluene			12/06/2017	12/06/2017	1	0		
2-Acetylaminofluorene			12/06/2017	12/06/2017	1	0		
2-Chloronaphthalene			12/06/2017	12/06/2017	1	0		
2-Chlorophenol			12/06/2017	12/06/2017	1	0		
2-Hexanone			06/05/2017	12/06/2017	2	0		
2-Methylnaphthalene			12/06/2017	12/06/2017	1	0		
2-Methylphenol (O-Cresol)			12/06/2017	12/06/2017	1	0		
2-Naphthylamine			12/06/2017	12/06/2017	1	0		
2-Nitroaniline			12/06/2017	12/06/2017	1	0		
2-Nitrophenol			12/06/2017	12/06/2017	1	0		
3,3'-Dichlorobenzidine			12/06/2017	12/06/2017	1	0		
3,3'-Dimethylbenzidine			12/06/2017	12/06/2017	1	0		
3-Methylcholanthrene			12/06/2017	12/06/2017	1	0		

Appendix A, Table 10
MW16B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			12/06/2017	12/06/2017	1	0		
4,4'-DDD			12/06/2017	12/06/2017	1	0		
4,4'-DDE			12/06/2017	12/06/2017	1	0		
4,4'-DDT			12/06/2017	12/06/2017	1	0		
4,6-Dinitro-2-Methylphenol			12/06/2017	12/06/2017	1	0		
4-Aminobiphenyl			12/06/2017	12/06/2017	1	0		
4-Bromophenyl Phenyl Ether			12/06/2017	12/06/2017	1	0		
4-Chloro-3-Methylphenol			12/06/2017	12/06/2017	1	0		
4-Chloroaniline			12/06/2017	12/06/2017	1	0		
4-Chlorophenyl Phenyl Ether			12/06/2017	12/06/2017	1	0		
4-Dimethylaminoazobenzene			12/06/2017	12/06/2017	1	0		
4-Nitroaniline			12/06/2017	12/06/2017	1	0		
4-Nitrophenol			12/06/2017	12/06/2017	1	0		
5-Nitro-Ortho-Toluidine			12/06/2017	12/06/2017	1	0		
7,12-Dimethylbenz[A]Anthracene			12/06/2017	12/06/2017	1	0		
Acenaphthene			12/06/2017	12/06/2017	1	0		
Acenaphthylene			12/06/2017	12/06/2017	1	0		
Acetone			06/05/2017	12/06/2017	2	0		
Acetonitrile			06/05/2017	12/06/2017	2	0		
Acetophenone			12/06/2017	12/06/2017	1	0		
Acrolein			06/05/2017	12/06/2017	2	0		
Acrylonitrile			06/05/2017	12/06/2017	2	0		
Aldrin			12/06/2017	12/06/2017	1	0		
Allyl Chloride			06/05/2017	12/06/2017	2	0		
Alpha-BHC			12/06/2017	12/06/2017	1	0		
Aluminum			01/10/2013	12/06/2017	16	3	142	113
Ammonia			01/10/2013	12/06/2017	16	11	452	73.9
Anthracene			12/06/2017	12/06/2017	1	0		
Antimony			01/10/2013	12/06/2017	16	2	1.26	0.603
APFO			04/03/2013	12/06/2017	15	15	0.015	0.0054
Arsenic		X (10)	02/29/2016	12/06/2017	4	4	13.4	11
Benzene		X (5)	06/05/2017	12/06/2017	2	0		
Benzo(A)Anthracene			12/06/2017	12/06/2017	1	0		
Benzo(B)Fluoranthene			12/06/2017	12/06/2017	1	0		
Benzo(G,H,I)Perylene			12/06/2017	12/06/2017	1	0		
Benzo(K)Fluoranthene			12/06/2017	12/06/2017	1	0		
Benzo[A]Pyrene		X (0.2)	12/06/2017	12/06/2017	1	0		
Benzyl Alcohol			12/06/2017	12/06/2017	1	0		
Beryllium	X (4)	X (4)	01/10/2013	12/06/2017	16	0		
beta-BHC			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroethoxy)Methane			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroethyl)Ether			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroisopropyl)Ether			12/06/2017	12/06/2017	1	0		
Bis(2-Ethylhexyl)Phthalate			12/06/2017	12/06/2017	1	0		
Boron			01/10/2013	12/06/2017	16	16	339	294
Bromochloromethane			06/05/2017	12/06/2017	2	0		

Appendix A, Table 10
MW16B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Bromoform		X (80)	06/05/2017	12/06/2017	2	0		
Butyl Benzyl Phthalate			12/06/2017	12/06/2017	1	0		
Cadmium	X (5)	X (5)	01/10/2013	12/06/2017	16	0		
Carbon Disulfide			06/05/2017	12/06/2017	2	0		
Carbon Tetrachloride		X (5)	06/05/2017	12/06/2017	2	0		
Chemical Oxygen Demand (COD)			01/10/2013	12/06/2017	16	3	26,100	11,400
Chlordane		X (2)	12/06/2017	12/06/2017	1	0		
Chloride			01/10/2013	12/06/2017	16	16	76,300	66,000
Chlorobenzene			06/05/2017	12/06/2017	2	0		
Chlorobenzilate			12/06/2017	12/06/2017	1	0		
Chlorodibromomethane			06/05/2017	12/06/2017	2	0		
Chloroform		X (80)	06/05/2017	12/06/2017	2	0		
Chloroprene			06/05/2017	12/06/2017	2	0		
Chromium		X (100)	06/05/2017	12/06/2017	2	0		
Chrysene			12/06/2017	12/06/2017	1	0		
cis-1,2 Dichloroethene		X (70)	06/05/2017	12/06/2017	2	0		
cis-1,3-Dichloropropene			06/05/2017	12/06/2017	2	0		
Cobalt			06/05/2017	12/06/2017	2	0		
Copper	X (1,300)	X (1,300)	01/10/2013	12/06/2017	16	0		
Cresol			12/06/2017	12/06/2017	1	0		
delta-BHC			12/06/2017	12/06/2017	1	0		
Diallate			12/06/2017	12/06/2017	1	0		
Dibenz(A,H)Anthracene			12/06/2017	12/06/2017	1	0		
Dibenzofuran			12/06/2017	12/06/2017	1	0		
Dichlorodifluoromethane			06/05/2017	12/06/2017	2	0		
Dieldrin			12/06/2017	12/06/2017	1	0		
Diethyl Phthalate			12/06/2017	12/06/2017	1	0		
Dimethoate			12/06/2017	12/06/2017	1	0		
Dimethyl Phthalate			12/06/2017	12/06/2017	1	0		
Di-N-Butyl Phthalate			12/06/2017	12/06/2017	1	0		
Dinoseb		X (7)	12/06/2017	12/06/2017	1	0		
Diphenyl Amine			12/06/2017	12/06/2017	1	0		
Endosulfan I			12/06/2017	12/06/2017	1	0		
Endosulfan II			12/06/2017	12/06/2017	1	0		
Endosulfan Sulfate			12/06/2017	12/06/2017	1	0		
Endrin		X (2)	12/06/2017	12/06/2017	1	0		
Endrin Aldehyde			12/06/2017	12/06/2017	1	0		
Endrin Ketone			12/06/2017	12/06/2017	1	0		
Ethyl Chloride			06/05/2017	12/06/2017	2	0		
Ethylbenzene		X (700)	06/05/2017	12/06/2017	2	0		
Fluoranthene			12/06/2017	12/06/2017	1	0		
Fluorene			12/06/2017	12/06/2017	1	0		
Fluoride	X (4,000)	X (4,000)	01/10/2013	12/06/2017	16	16	3,110	2,460
Heptachlor		X (0.4)	12/06/2017	12/06/2017	1	0		
Heptachlor Epoxide		X (0.2)	12/06/2017	12/06/2017	1	0		
Hexachlorobenzene		X (1)	12/06/2017	12/06/2017	1	0		

Appendix A, Table 10
MW16B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Hexachlorobutadiene			12/06/2017	12/06/2017	1	0		
Hexachlorocyclopentadiene		X (50)	12/06/2017	12/06/2017	1	0		
Hexachloroethane			12/06/2017	12/06/2017	1	0		
Hexachloropropylene			12/06/2017	12/06/2017	1	0		
Indeno (1,2,3-CD) Pyrene			12/06/2017	12/06/2017	1	0		
Iodomethane			06/05/2017	12/06/2017	2	0		
Iron			01/10/2013	12/06/2017	16	3	162	65
Isobutyl Alcohol			06/05/2017	12/06/2017	2	0		
Isodrin			12/06/2017	12/06/2017	1	0		
Isophorone			12/06/2017	12/06/2017	1	0		
Kepone			12/06/2017	12/06/2017	1	0		
Lead		X (15)	06/05/2017	12/06/2017	2	0		
Lindane		X (0.2)	12/06/2017	12/06/2017	1	0		
Manganese			01/10/2013	12/06/2017	16	1	9.23	9.23
Mercury		X (2)	06/05/2017	12/06/2017	2	0		
Methacrylonitrile			06/05/2017	12/06/2017	2	0		
Methapyrilene			12/06/2017	12/06/2017	1	0		
Methoxychlor		X (40)	12/06/2017	12/06/2017	1	0		
Methyl Bromide			06/05/2017	12/06/2017	2	0		
Methyl Chloride			06/05/2017	12/06/2017	2	0		
Methyl Ethyl Ketone			06/05/2017	12/06/2017	2	0		
Methyl Isobutyl Ketone			12/06/2017	12/06/2017	1	0		
Methyl Methacrylate			06/05/2017	12/06/2017	2	0		
Methyl Methanesulfonate			12/06/2017	12/06/2017	1	0		
Methylene Bromide			06/05/2017	12/06/2017	2	0		
Methylene Chloride			06/05/2017	12/06/2017	2	0		
Naphthalene			06/05/2017	12/06/2017	2	0		
N-Dioctyl Phthalate			12/06/2017	12/06/2017	1	0		
Nickel			06/05/2017	12/06/2017	2	0		
Nitrate	X (10,000)	X (10,000)	01/10/2013	12/06/2017	16	16	449	166
Nitrite	X (1,000)	X (1,000)	01/10/2013	12/06/2017	16	0		
Nitrobenzene			12/06/2017	12/06/2017	1	0		
Nitrogen			04/03/2013	12/06/2017	9	9	424	244
N-Nitroso(Methyl)Ethylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodiethylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodimethylamine			12/06/2017	12/06/2017	1	0		
N-Nitroso-Di-N-Butylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodi-N-Propylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodiphenylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosomorpholine			12/06/2017	12/06/2017	1	0		
N-Nitrosopiperidine			12/06/2017	12/06/2017	1	0		
N-Nitrosopyrrolidine			12/06/2017	12/06/2017	1	0		
O,O,O-Triethylphosphorothioate			12/06/2017	12/06/2017	1	0		
O-Toluidine			12/06/2017	12/06/2017	1	0		
para-Phenylenediamine			12/06/2017	12/06/2017	1	0		
PCB 1016		X (0.5)	12/06/2017	12/06/2017	1	0		

Appendix A, Table 10
MW16B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
PCB 1221		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1232		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1242		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1248		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1254		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1260		X (0.5)	12/06/2017	12/06/2017	1	0		
Pentachlorobenzene			12/06/2017	12/06/2017	1	0		
Pentachloronitrobenzene			12/06/2017	12/06/2017	1	0		
Pentachlorophenol		X (50)	12/06/2017	12/06/2017	2	0		
PFOA			04/03/2013	12/06/2017	15	15	0.015	0.0052
Phenacetin			12/06/2017	12/06/2017	1	0		
Phenanthrene			12/06/2017	12/06/2017	1	0		
Phenol			12/06/2017	12/06/2017	1	0		
Pronamide			12/06/2017	12/06/2017	1	0		
Propionitrile			06/05/2017	12/06/2017	2	0		
Pyrene			12/06/2017	12/06/2017	1	0		
Safrole			12/06/2017	12/06/2017	1	0		
Selenium		X (50)	02/29/2016	12/06/2017	4	3	3.42	0.693
Silver			01/10/2013	12/06/2017	16	0		
Silvex		X (50)	12/06/2017	12/06/2017	1	0		
Styrene		X (100)	06/05/2017	12/06/2017	2	0		
Sulfate			01/10/2013	12/06/2017	16	16	21,800	18,700
Tetrachloroethene		X (5)	06/05/2017	12/06/2017	2	0		
Thallium	X (2)	X (2)	01/10/2013	12/06/2017	16	5	0.505	0.145
Thionazin			12/06/2017	12/06/2017	1	0		
Tin			06/05/2017	12/06/2017	2	0		
Toluene		X (1,000)	06/05/2017	12/06/2017	2	0		
Total Dissolved Solids			01/10/2013	12/06/2017	16	16	1,220,000	586,000
Total Organic Carbon			01/10/2013	12/06/2017	16	15	16,600	1,170
Total Suspended Solids			01/10/2013	12/06/2017	16	3	18,500	3,000
Toxaphene		X (3)	12/06/2017	12/06/2017	1	0		
trans-1,2-Dichloroethene		X (5)	06/05/2017	12/06/2017	2	0		
trans-1,3-Dichloropropene			06/05/2017	12/06/2017	2	0		
trans-1,4-Dichlorobutene-2			06/05/2017	12/06/2017	2	0		
Trichloroethene		X (5)	06/05/2017	12/06/2017	2	0		
Trichlorofluoromethane			06/05/2017	12/06/2017	2	0		
Vanadium			06/05/2017	12/06/2017	2	0		
Vinyl Acetate			06/05/2017	12/06/2017	2	0		
Vinyl Chloride		X (2)	06/05/2017	12/06/2017	2	0		
Xylenes		X (10,000)	06/05/2017	12/06/2017	2	0		

Yellow cells indicate parameters that exceed groundwater standards

Appendix A, Table 11
MW17B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,1-Trichloroethane		X (200)	11/17/2016	12/06/2017	3	0		
1,1,2,2-Tetrachloroethane			11/17/2016	12/06/2017	3	0		
1,1,2-Trichloroethane		X (5)	11/17/2016	12/06/2017	3	0		
1,1-Dichloroethane			11/17/2016	12/06/2017	3	0		
1,1-Dichloroethene		X (7)	11/17/2016	12/06/2017	3	0		
1,1-Dichloropropene			11/17/2016	12/06/2017	3	0		
1,2,3-Trichloropropane			11/17/2016	12/06/2017	3	0		
1,2,4,5-Tetrachlorobenzene			11/17/2016	12/06/2017	2	0		
1,2,4-Trichlorobenzene		X (70)	11/17/2016	12/06/2017	3	0		
1,2-Dibromo-3-Chloropropane			11/17/2016	12/06/2017	3	0		
1,2-Dibromoethane (EDB)			11/17/2016	12/06/2017	3	0		
1,2-Dichlorobenzene			11/17/2016	12/06/2017	3	0		
1,2-Dichloroethane		X (5)	11/17/2016	12/06/2017	3	0		
1,2-Dichloropropane		X (5)	11/17/2016	12/06/2017	3	0		
1,3,5-Trinitrobenzene			11/17/2016	12/06/2017	2	0		
1,3-Dichlorobenzene			11/17/2016	12/06/2017	3	0		
1,3-Dichloropropane			11/17/2016	12/06/2017	3	0		
1,3-Dinitrobenzene			11/17/2016	12/06/2017	2	0		
1,4-Dichlorobenzene			11/17/2016	12/06/2017	3	0		
1,4-Naphthoquinone			11/17/2016	12/06/2017	2	0		
1-Naphthylamine			11/17/2016	12/06/2017	2	0		
2,2-Dichloropropane			11/17/2016	12/06/2017	3	0		
2,3,4,6-Tetrachlorophenol			11/17/2016	12/06/2017	2	0		
2,4,5-T			11/17/2016	12/06/2017	2	0		
2,4,5-Trichlorophenol			11/17/2016	12/06/2017	2	0		
2,4,6-Trichlorophenol			11/17/2016	12/06/2017	2	0		
2,4-Dichlorophenol			11/17/2016	12/06/2017	2	0		
2,4-Dichlorophenoxyacetic Acid			11/17/2016	12/06/2017	2	0		
2,4-Dimethylphenol			11/17/2016	12/06/2017	2	0		
2,4-Dinitrophenol			11/17/2016	12/06/2017	2	0		
2,4-Dinitrotoluene			11/17/2016	12/06/2017	2	0		
2,6-Dichlorophenol			11/17/2016	12/06/2017	2	0		
2,6-Dinitrotoluene			11/17/2016	12/06/2017	2	0		
2-Acetylaminofluorene			11/17/2016	12/06/2017	2	0		
2-Chloronaphthalene			11/17/2016	12/06/2017	2	0		
2-Chlorophenol			11/17/2016	12/06/2017	2	0		
2-Hexanone			11/17/2016	12/06/2017	3	0		
2-Methylnaphthalene			11/17/2016	12/06/2017	2	0		
2-Methylphenol (O-Cresol)			11/17/2016	12/06/2017	2	0		
2-Naphthylamine			11/17/2016	12/06/2017	2	0		
2-Nitroaniline			11/17/2016	12/06/2017	2	0		
2-Nitrophenol			11/17/2016	12/06/2017	2	0		
3,3'-Dichlorobenzidine			11/17/2016	12/06/2017	2	0		
3,3'-Dimethylbenzidine			11/17/2016	12/06/2017	2	0		
3-Methylcholanthrene			11/17/2016	12/06/2017	2	0		

Appendix A, Table 11
MW17B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			11/17/2016	12/06/2017	2	0		
4,4'-DDD			11/17/2016	12/06/2017	2	0		
4,4'-DDE			11/17/2016	12/06/2017	2	0		
4,4'-DDT			11/17/2016	12/06/2017	2	0		
4,6-Dinitro-2-Methylphenol			11/17/2016	12/06/2017	2	0		
4-Aminobiphenyl			11/17/2016	12/06/2017	2	0		
4-Bromophenyl Phenyl Ether			11/17/2016	12/06/2017	2	0		
4-Chloro-3-Methylphenol			11/17/2016	12/06/2017	2	0		
4-Chloroaniline			11/17/2016	12/06/2017	2	0		
4-Chlorophenyl Phenyl Ether			11/17/2016	12/06/2017	2	0		
4-Dimethylaminoazobenzene			11/17/2016	12/06/2017	2	0		
4-Nitroaniline			11/17/2016	12/06/2017	2	0		
4-Nitrophenol			11/17/2016	12/06/2017	2	0		
5-Nitro-Ortho-Toluidine			11/17/2016	12/06/2017	2	0		
7,12-Dimethylbenz[A]Anthracene			11/17/2016	12/06/2017	2	0		
Acenaphthene			11/17/2016	12/06/2017	2	0		
Acenaphthylene			11/17/2016	12/06/2017	2	0		
Acetone			11/17/2016	12/06/2017	3	0		
Acetonitrile			11/17/2016	12/06/2017	3	0		
Acetophenone			11/17/2016	12/06/2017	2	0		
Acrolein			11/17/2016	12/06/2017	3	0		
Acrylonitrile			11/17/2016	12/06/2017	3	0		
Aldrin			11/17/2016	12/06/2017	2	0		
Allyl Chloride			11/17/2016	12/06/2017	3	0		
Alpha-BHC			11/17/2016	12/06/2017	2	0		
Aluminum			41284	43075	17	1	58.8	58.8
Ammonia			01/10/2013	12/06/2017	17	16	773	390
Anthracene			11/17/2016	12/06/2017	2	0		
Antimony			01/10/2013	12/06/2017	17	0		
APFO			01/10/2013	12/06/2017	17	17	0.075	0.044
Arsenic		X (10)	02/29/2016	12/06/2017	5	5	10.1	7.67
Benzene		X (5)	11/17/2016	12/06/2017	3	0		
Benzo(A)Anthracene			11/17/2016	12/06/2017	2	0		
Benzo(B)Fluoranthene			11/17/2016	12/06/2017	2	0		
Benzo(G,H,I)Perylene			11/17/2016	12/06/2017	2	0		
Benzo(K)Fluoranthene			11/17/2016	12/06/2017	2	0		
Benzo[A]Pyrene		X (0.2)	11/17/2016	12/06/2017	2	0		
Benzyl Alcohol			11/17/2016	12/06/2017	2	0		
Beryllium	X (4)	X (4)	01/10/2013	12/06/2017	17	0		
beta-BHC			11/17/2016	12/06/2017	2	0		
Bis(2-Chloroethoxy)Methane			11/17/2016	12/06/2017	2	0		
Bis(2-Chloroethyl)Ether			11/17/2016	12/06/2017	2	0		
Bis(2-Chloroisopropyl)Ether			11/17/2016	12/06/2017	2	0		
Bis(2-Ethylhexyl)Phthalate			11/17/2016	12/06/2017	2	0		
Boron			01/10/2013	12/06/2017	18	18	293	240
Bromochloromethane			11/17/2016	12/06/2017	3	0		

Appendix A, Table 11
MW17B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Bromoform		X (80)	11/17/2016	12/06/2017	3	0		
Butyl Benzyl Phthalate			11/17/2016	12/06/2017	2	0		
Cadmium	X (5)	X (5)	01/10/2013	12/06/2017	17	0		
Carbon Disulfide			11/17/2016	12/06/2017	3	0		
Carbon Tetrachloride		X (5)	11/17/2016	12/06/2017	3	0		
Chemical Oxygen Demand (COD)			01/10/2013	12/06/2017	17	9	47,200	10,200
Chlordane		X (2)	11/17/2016	12/06/2017	2	0		
Chloride			01/10/2013	12/06/2017	17	17	2,910,000	1,780,000
Chlorobenzene			11/17/2016	12/06/2017	3	0		
Chlorobenzilate			11/17/2016	12/06/2017	2	0		
Chlorodibromomethane			11/17/2016	12/06/2017	3	0		
Chloroform		X (80)	11/17/2016	12/06/2017	3	0		
Chloroprene			11/17/2016	12/06/2017	3	0		
Chromium		X (100)	11/17/2016	12/06/2017	3	0		
Chrysene			11/17/2016	12/06/2017	2	0		
cis-1,2 Dichloroethene		X (70)	11/17/2016	12/06/2017	3	0		
cis-1,3-Dichloropropene			11/17/2016	12/06/2017	3	0		
Cobalt			11/17/2016	12/06/2017	3	0		
Copper	X (1,300)	X (1,300)	01/10/2013	12/06/2017	17	0		
Cresol			11/17/2016	12/06/2017	2	0		
delta-BHC			11/17/2016	12/06/2017	2	0		
Diallate			11/17/2016	12/06/2017	2	0		
Dibenz(A,H)Anthracene			11/17/2016	12/06/2017	2	0		
Dibenzofuran			11/17/2016	12/06/2017	2	0		
Dichlorodifluoromethane			11/17/2016	12/06/2017	3	0		
Dieldrin			11/17/2016	12/06/2017	2	0		
Diethyl Phthalate			11/17/2016	12/06/2017	2	0		
Dimethoate			11/17/2016	12/06/2017	2	0		
Dimethyl Phthalate			11/17/2016	12/06/2017	2	0		
Di-N-Butyl Phthalate			11/17/2016	12/06/2017	2	0		
Dinoseb		X (7)	11/17/2016	12/06/2017	2	0		
Diphenyl Amine			11/17/2016	12/06/2017	2	0		
Disulfoton			11/17/2016	11/17/2016	1	0		
Endosulfan I			11/17/2016	12/06/2017	2	0		
Endosulfan II			11/17/2016	12/06/2017	2	0		
Endosulfan Sulfate			11/17/2016	12/06/2017	2	0		
Endrin		X (2)	11/17/2016	12/06/2017	2	0		
Endrin Aldehyde			11/17/2016	12/06/2017	2	0		
Endrin Ketone			11/17/2016	12/06/2017	2	0		
Ethyl Chloride			11/17/2016	12/06/2017	3	0		
Ethylbenzene		X (700)	11/17/2016	12/06/2017	3	0		
Famphur			11/17/2016	11/17/2016	1	0		
Fluoranthene			11/17/2016	12/06/2017	2	0		
Fluorene			11/17/2016	12/06/2017	2	0		
Fluoride	X (4,000)	X (4,000)	01/10/2013	12/06/2017	17	17	2,340	1,080
Heptachlor		X (0.4)	11/17/2016	12/06/2017	2	0		

Appendix A, Table 11
MW17B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Heptachlor Epoxide			11/17/2016	12/06/2017	2	0		
Hexachlorobenzene		X (1)	11/17/2016	12/06/2017	2	0		
Hexachlorobutadiene			11/17/2016	12/06/2017	2	0		
Hexachlorocyclopentadiene		X (50)	11/17/2016	12/06/2017	2	0		
Hexachloroethane			11/17/2016	12/06/2017	2	0		
Hexachloropropylene			11/17/2016	12/06/2017	2	0		
Indeno (1,2,3-CD) Pyrene			11/17/2016	12/06/2017	2	0		
Iodomethane			42691	43075	3	0		
Iron			41284	43075	17	4	83.7	62.8
Isobutyl Alcohol			11/17/2016	12/06/2017	3	0		
Isodrin			11/17/2016	12/06/2017	2	0		
Isophorone			11/17/2016	12/06/2017	2	0		
Kepone			11/17/2016	12/06/2017	2	0		
Lead		X (15)	11/17/2016	12/06/2017	3	0		
Lindane		X (0.2)	11/17/2016	12/06/2017	2	0		
Manganese			01/10/2013	12/06/2017	18	18	75.6	60.3
Mercury		X (2)	11/17/2016	12/06/2017	3	0		
Methacrylonitrile			11/17/2016	12/06/2017	3	0		
Methapyrilene			11/17/2016	12/06/2017	2	0		
Methoxychlor		X (40)	11/17/2016	12/06/2017	2	0		
Methyl Bromide			11/17/2016	12/06/2017	3	0		
Methyl Chloride			42691	43075	3	0		
Methyl Ethyl Ketone			11/17/2016	12/06/2017	3	0		
Methyl Isobutyl Ketone			11/17/2016	12/06/2017	2	0		
Methyl Methacrylate			11/17/2016	12/06/2017	3	0		
Methyl Methanesulfonate			11/17/2016	12/06/2017	2	0		
Methyl Parathion			11/17/2016	11/17/2016	1	0		
Methylene Bromide			42691	43075	3	0		
Methylene Chloride			11/17/2016	12/06/2017	3	0		
Naphthalene			11/17/2016	12/06/2017	3	0		
N-Dioctyl Phthalate			11/17/2016	12/06/2017	2	0		
Nickel			11/17/2016	12/06/2017	3	0		
Nitrate	X (10,000)	X (10,000)	01/10/2013	12/06/2017	17	17	451	77
Nitrite	X (1,000)	X (1,000)	01/10/2013	12/06/2017	17	17	148	54.3
Nitrobenzene			11/17/2016	12/06/2017	2	0		
Nitrogen			04/03/2013	12/06/2017	9	9	548	201
N-Nitroso(Methyl)Ethylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodiethylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodimethylamine			11/17/2016	12/06/2017	2	0		
N-Nitroso-Di-N-Butylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodi-N-Propylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodiphenylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosomorpholine			11/17/2016	12/06/2017	2	0		
N-Nitrosopiperidine			11/17/2016	12/06/2017	2	0		
N-Nitrosopyrrolidine			11/17/2016	12/06/2017	2	0		
O,O,O-Triethylphosphorothioate			11/17/2016	12/06/2017	2	0		

Appendix A, Table 11
MW17B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
O-Toluidine			11/17/2016	12/06/2017	2	0		
para-Phenylenediamine			11/17/2016	12/06/2017	2	0		
Parathion			11/17/2016	11/17/2016	1	0		
PCB 1016		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1221		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1232		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1242		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1248		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1254		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1260		X (0.5)	11/17/2016	12/06/2017	2	0		
Pentachlorobenzene			11/17/2016	12/06/2017	2	0		
Pentachloronitrobenzene			11/17/2016	12/06/2017	2	0		
Pentachlorophenol		X (1)	11/17/2016	12/06/2017	4	0		
PFOA			01/10/2013	12/06/2017	17	17	0.072	0.043
Phenacetin			11/17/2016	12/06/2017	2	0		
Phenanthrene			11/17/2016	12/06/2017	2	0		
Phenol			11/17/2016	12/06/2017	2	0		
Phorate			11/17/2016	11/17/2016	1	0		
Pronamide			11/17/2016	12/06/2017	2	0		
Propionitrile			11/17/2016	12/06/2017	3	0		
Pyrene			11/17/2016	12/06/2017	2	0		
Safrole			11/17/2016	12/06/2017	2	0		
Selenium		X (50)	02/29/2016	12/06/2017	5	5	38.9	18.5
Silver			01/10/2013	12/06/2017	17	0		
Silvex		X (50)	11/17/2016	12/06/2017	2	0		
Styrene		X (100)	11/17/2016	12/06/2017	3	0		
Sulfate			01/10/2013	12/06/2017	17	14	48,600	5,970
Tetrachloroethene		X (5)	11/17/2016	12/06/2017	3	0		
Thallium	X (2)	X (2)	01/10/2013	12/06/2017	17	2	0.15	0.121
Thionazin			11/17/2016	12/06/2017	2	0		
Tin			11/17/2016	12/06/2017	3	0		
Toluene		X (1,000)	11/17/2016	12/06/2017	3	0		
Total Dissolved Solids			01/10/2013	12/06/2017	16	16	4,760,000	4,000,000
Total Organic Carbon			01/10/2013	12/06/2017	17	15	4,910	638
Total Suspended Solids			01/10/2013	12/06/2017	17	8	35,500	3,500
Toxaphene		X (3)	11/17/2016	12/06/2017	2	0		
trans-1,2-Dichloroethene		X (100)	11/17/2016	12/06/2017	3	0		
trans-1,3-Dichloropropene			11/17/2016	12/06/2017	3	0		
trans-1,4-Dichlorobutene-2			11/17/2016	12/06/2017	3	0		
Trichloroethene		X (5)	11/17/2016	12/06/2017	3	0		
Trichlorofluoromethane			11/17/2016	12/06/2017	3	0		
Vanadium			11/17/2016	12/06/2017	3	0		
Vinyl Acetate			11/17/2016	12/06/2017	3	0		
Vinyl Chloride		X (2)	11/17/2016	12/06/2017	3	0		
Xylenes		X (10,000)	11/17/2016	12/06/2017	3	0		

Appendix A, Table 12
MW18B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,1-Trichloroethane		X (200)	06/05/2017	12/06/2017	2	2	2.07	0.931
1,1,2,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,2-Trichloroethane		X (5)	06/05/2017	12/06/2017	2	0		
1,1-Dichloroethane			06/05/2017	12/06/2017	2	0		
1,1-Dichloroethene		X (7)	06/05/2017	12/06/2017	2	0		
1,1-Dichloropropene			06/05/2017	12/06/2017	2	0		
1,2,3-Trichloropropane			06/05/2017	12/06/2017	2	0		
1,2,4,5-Tetrachlorobenzene			12/06/2017	12/06/2017	1	0		
1,2,4-Trichlorobenzene		X (70)	06/05/2017	12/06/2017	2	0		
1,2-Dibromo-3-Chloropropane			06/05/2017	12/06/2017	2	0		
1,2-Dibromoethane (EDB)			06/05/2017	12/06/2017	2	0		
1,2-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,2-Dichloroethane		X (5)	06/05/2017	12/06/2017	2	0		
1,2-Dichloropropane		X (5)	06/05/2017	12/06/2017	2	0		
1,3,5-Trinitrobenzene			12/06/2017	12/06/2017	1	0		
1,3-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,3-Dichloropropane			06/05/2017	12/06/2017	2	0		
1,3-Dinitrobenzene			12/06/2017	12/06/2017	1	0		
1,4-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,4-Naphthoquinone			12/06/2017	12/06/2017	1	0		
1-Naphthylamine			12/06/2017	12/06/2017	1	0		
2,2-Dichloropropane			06/05/2017	12/06/2017	2	0		
2,3,4,6-Tetrachlorophenol			12/06/2017	12/06/2017	1	0		
2,4,5-T			12/06/2017	12/06/2017	1	0		
2,4,5-Trichlorophenol			12/06/2017	12/06/2017	1	0		
2,4,6-Trichlorophenol			12/06/2017	12/06/2017	1	0		
2,4-Dichlorophenol			12/06/2017	12/06/2017	1	0		
2,4-Dichlorophenoxyacetic Acid			12/06/2017	12/06/2017	1	0		
2,4-Dimethylphenol			12/06/2017	12/06/2017	1	0		
2,4-Dinitrophenol			12/06/2017	12/06/2017	1	0		
2,4-Dinitrotoluene			12/06/2017	12/06/2017	1	0		
2,6-Dichlorophenol			12/06/2017	12/06/2017	1	0		
2,6-Dinitrotoluene			12/06/2017	12/06/2017	1	0		
2-Acetylaminofluorene			12/06/2017	12/06/2017	1	0		
2-Chloronaphthalene			12/06/2017	12/06/2017	1	0		
2-Chlorophenol			12/06/2017	12/06/2017	1	0		
2-Hexanone			06/05/2017	12/06/2017	2	0		
2-Methylnaphthalene			12/06/2017	12/06/2017	1	0		
2-Methylphenol (O-Cresol)			12/06/2017	12/06/2017	1	0		
2-Naphthylamine			12/06/2017	12/06/2017	1	0		
2-Nitroaniline			12/06/2017	12/06/2017	1	0		
2-Nitrophenol			12/06/2017	12/06/2017	1	0		
3,3'-Dichlorobenzidine			12/06/2017	12/06/2017	1	0		
3,3'-Dimethylbenzidine			12/06/2017	12/06/2017	1	0		
3-Methylcholanthrene			12/06/2017	12/06/2017	1	0		

Appendix A, Table 12
MW18B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			12/06/2017	12/06/2017	1	0		
4,4'-DDD			12/06/2017	12/06/2017	1	0		
4,4'-DDE			12/06/2017	12/06/2017	1	0		
4,4'-DDT			12/06/2017	12/06/2017	1	0		
4,6-Dinitro-2-Methylphenol			12/06/2017	12/06/2017	1	0		
4-Aminobiphenyl			12/06/2017	12/06/2017	1	0		
4-Bromophenyl Phenyl Ether			12/06/2017	12/06/2017	1	0		
4-Chloro-3-Methylphenol			12/06/2017	12/06/2017	1	0		
4-Chloroaniline			12/06/2017	12/06/2017	1	0		
4-Chlorophenyl Phenyl Ether			12/06/2017	12/06/2017	1	0		
4-Dimethylaminoazobenzene			12/06/2017	12/06/2017	1	0		
4-Nitroaniline			12/06/2017	12/06/2017	1	0		
4-Nitrophenol			12/06/2017	12/06/2017	1	0		
5-Nitro-Ortho-Toluidine			12/06/2017	12/06/2017	1	0		
7,12-Dimethylbenz[A]Anthracene			12/06/2017	12/06/2017	1	0		
Acenaphthene			12/06/2017	12/06/2017	1	0		
Acenaphthylene			12/06/2017	12/06/2017	1	0		
Acetone			06/05/2017	12/06/2017	2	0		
Acetonitrile			06/05/2017	12/06/2017	2	0		
Acetophenone			12/06/2017	12/06/2017	1	0		
Acrolein			06/05/2017	12/06/2017	2	0		
Acrylonitrile			06/05/2017	12/06/2017	2	0		
Aldrin			12/06/2017	12/06/2017	1	0		
Allyl Chloride			06/05/2017	12/06/2017	2	0		
Alpha-BHC			12/06/2017	12/06/2017	1	0		
Aluminum			01/10/2013	12/06/2017	16	2	118	61
Ammonia			01/10/2013	12/06/2017	16	16	626	249
Anthracene			12/06/2017	12/06/2017	1	0		
Antimony			01/10/2013	12/06/2017	16	0		
APFO			04/03/2013	12/06/2017	15	12	0.015	0.0055
Arsenic		X (10)	02/29/2016	12/06/2017	4	4	9.23	6.83
Benzene		X (5)	06/05/2017	12/06/2017	2	0		
Benzo(A)Anthracene			12/06/2017	12/06/2017	1	0		
Benzo(B)Fluoranthene			12/06/2017	12/06/2017	1	0		
Benzo(G,H,I)Perylene			12/06/2017	12/06/2017	1	0		
Benzo(K)Fluoranthene			12/06/2017	12/06/2017	1	0		
Benzo[A]Pyrene		X (0.2)	12/06/2017	12/06/2017	1	0		
Benzyl Alcohol			12/06/2017	12/06/2017	1	0		
Beryllium		X (4)	01/10/2013	12/06/2017	16	0		
beta-BHC			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroethoxy)Methane			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroethyl)Ether			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroisopropyl)Ether			12/06/2017	12/06/2017	1	0		
Bis(2-Ethylhexyl)Phthalate			12/06/2017	12/06/2017	1	0		
Boron			01/10/2013	12/06/2017	16	16	243	208
Bromochloromethane			06/05/2017	12/06/2017	2	0		

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MW18B Summary of Analytical Results
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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Bromoform		X (80)	06/05/2017	12/06/2017	2	0		
Butyl Benzyl Phthalate			12/06/2017	12/06/2017	1	0		
Cadmium		X (5)	01/10/2013	12/06/2017	16	0		
Carbon Disulfide			06/05/2017	12/06/2017	2	0		
Carbon Tetrachloride		X (5)	06/05/2017	12/06/2017	2	0		
Chemical Oxygen Demand (COD)			01/10/2013	12/06/2017	16	9	54,200	12,300
Chlordane		X (2)	12/06/2017	12/06/2017	1	0		
Chloride			01/10/2013	12/06/2017	16	16	3,020,000	2,040,000
Chlorobenzene			06/05/2017	12/06/2017	2	0		
Chlorobenzilate			12/06/2017	12/06/2017	1	0		
Chlorodibromomethane			06/05/2017	12/06/2017	2	0		
Chloroform		X (80)	06/05/2017	12/06/2017	2	0		
Chloroprene			06/05/2017	12/06/2017	2	0		
Chromium		X (100)	06/05/2017	12/06/2017	2	0		
Chrysene			12/06/2017	12/06/2017	1	0		
cis-1,2 Dichloroethene		X (70)	06/05/2017	12/06/2017	2	0		
cis-1,3-Dichloropropene			06/05/2017	12/06/2017	2	0		
Cobalt			06/05/2017	12/06/2017	2	0		
Copper		X (1,300)	01/10/2013	12/06/2017	16	1	39.5	39.5
Cresol			12/06/2017	12/06/2017	1	0		
delta-BHC			12/06/2017	12/06/2017	1	0		
Diallate			12/06/2017	12/06/2017	1	0		
Dibenz(A,H)Anthracene			12/06/2017	12/06/2017	1	0		
Dibenzofuran			12/06/2017	12/06/2017	1	0		
Dichlorodifluoromethane			06/05/2017	12/06/2017	2	0		
Dieldrin			12/06/2017	12/06/2017	1	0		
Diethyl Phthalate			12/06/2017	12/06/2017	1	0		
Dimethoate			12/06/2017	12/06/2017	1	0		
Dimethyl Phthalate			12/06/2017	12/06/2017	1	0		
Di-N-Butyl Phthalate			12/06/2017	12/06/2017	1	0		
Dinoseb		X (7)	12/06/2017	12/06/2017	1	0		
Diphenyl Amine			12/06/2017	12/06/2017	1	0		
Endosulfan I			12/06/2017	12/06/2017	1	0		
Endosulfan II			12/06/2017	12/06/2017	1	0		
Endosulfan Sulfate			12/06/2017	12/06/2017	1	0		
Endrin		X (2)	12/06/2017	12/06/2017	1	0		
Endrin Aldehyde			12/06/2017	12/06/2017	1	0		
Endrin Ketone			12/06/2017	12/06/2017	1	0		
Ethyl Chloride			06/05/2017	12/06/2017	2	0		
Ethylbenzene		X (700)	06/05/2017	12/06/2017	2	0		
Fluoranthene			12/06/2017	12/06/2017	1	0		
Fluorene			12/06/2017	12/06/2017	1	0		
Fluoride		X (4,000)	01/10/2013	12/06/2017	16	16	1,260	948
Heptachlor		X (0.4)	12/06/2017	12/06/2017	1	0		
Heptachlor Epoxide		X (0.2)	12/06/2017	12/06/2017	1	0		
Hexachlorobenzene		X (1)	12/06/2017	12/06/2017	1	0		

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Assessment of Corrective Measures
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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Hexachlorobutadiene			12/06/2017	12/06/2017	1	0		
Hexachlorocyclopentadiene		X (50)	12/06/2017	12/06/2017	1	0		
Hexachloroethane			12/06/2017	12/06/2017	1	0		
Hexachloropropylene			12/06/2017	12/06/2017	1	0		
Indeno (1,2,3-CD) Pyrene			12/06/2017	12/06/2017	1	0		
Iodomethane			06/05/2017	12/06/2017	2	0		
Iron			01/10/2013	12/06/2017	16	14	500	65
Isobutyl Alcohol			06/05/2017	12/06/2017	2	0		
Isodrin			12/06/2017	12/06/2017	1	0		
Isophorone			12/06/2017	12/06/2017	1	0		
Kepone			12/06/2017	12/06/2017	1	0		
Lead		X (15)	06/05/2017	12/06/2017	2	0		
Lindane		X (0.2)	12/06/2017	12/06/2017	1	0		
Manganese			01/10/2013	12/06/2017	16	16	189	116
Mercury		X (2)	06/05/2017	12/06/2017	2	0		
Methacrylonitrile			06/05/2017	12/06/2017	2	0		
Methapyrilene			12/06/2017	12/06/2017	1	0		
Methoxychlor		X (40)	12/06/2017	12/06/2017	1	0		
Methyl Bromide			06/05/2017	12/06/2017	2	0		
Methyl Chloride			06/05/2017	12/06/2017	2	0		
Methyl Ethyl Ketone			06/05/2017	12/06/2017	2	0		
Methyl Isobutyl Ketone			12/06/2017	12/06/2017	1	0		
Methyl Methacrylate			06/05/2017	12/06/2017	2	0		
Methyl Methanesulfonate			12/06/2017	12/06/2017	1	0		
Methylene Bromide			06/05/2017	12/06/2017	2	0		
Methylene Chloride			06/05/2017	12/06/2017	2	0		
Naphthalene			06/05/2017	12/06/2017	2	0		
N-Dioctyl Phthalate			12/06/2017	12/06/2017	1	0		
Nickel			06/05/2017	12/06/2017	2	0		
Nitrate		X (10,000)	01/10/2013	12/06/2017	16	12	237	43
Nitrite		X (1,000)	01/10/2013	12/06/2017	16	4	8.37	5.13
Nitrobenzene			12/06/2017	12/06/2017	1	0		
Nitrogen			04/03/2013	12/06/2017	9	6	223	54
N-Nitroso(Methyl)Ethylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodiethylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodimethylamine			12/06/2017	12/06/2017	1	0		
N-Nitroso-Di-N-Butylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodi-N-Propylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodiphenylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosomorpholine			12/06/2017	12/06/2017	1	0		
N-Nitrosopiperidine			12/06/2017	12/06/2017	1	0		
N-Nitrosopyrrolidine			12/06/2017	12/06/2017	1	0		
O,O,O-Triethylphosphorothioate			12/06/2017	12/06/2017	1	0		
O-Toluidine			12/06/2017	12/06/2017	1	0		
para-Phenylenediamine			12/06/2017	12/06/2017	1	0		
PCB 1016		X (0.5)	12/06/2017	12/06/2017	1	0		

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Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
PCB 1221		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1232		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1242		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1248		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1254		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1260		X (0.5)	12/06/2017	12/06/2017	1	0		
Pentachlorobenzene			12/06/2017	12/06/2017	1	0		
Pentachloronitrobenzene			12/06/2017	12/06/2017	1	0		
Pentachlorophenol		X (50)	12/06/2017	12/06/2017	2	0		
PFOA			04/03/2013	12/06/2017	15	12	0.015	0.0053
Phenacetin			12/06/2017	12/06/2017	1	0		
Phenanthrene			12/06/2017	12/06/2017	1	0		
Phenol			12/06/2017	12/06/2017	1	0		
Pronamide			12/06/2017	12/06/2017	1	0		
Propionitrile			06/05/2017	12/06/2017	2	0		
Pyrene			12/06/2017	12/06/2017	1	0		
Safrole			12/06/2017	12/06/2017	1	0		
Selenium		X (50)	02/29/2016	12/06/2017	4	3	28.4	18.3
Silver			01/10/2013	12/06/2017	16	0		
Silvex		X (50)	12/06/2017	12/06/2017	1	0		
Styrene		X (100)	06/05/2017	12/06/2017	2	0		
Sulfate			01/10/2013	12/06/2017	16	13	49,800	5,820
Tetrachloroethene		X (5)	06/05/2017	12/06/2017	2	0		
Thallium		X (2)	01/10/2013	12/06/2017	16	1	0.11	0.11
Thionazin			12/06/2017	12/06/2017	1	0		
Tin			06/05/2017	12/06/2017	2	0		
Toluene		X (1,000)	06/05/2017	12/06/2017	2	0		
Total Dissolved Solids			01/10/2013	12/06/2017	15	15	6,550,000	3,600,000
Total Organic Carbon			01/10/2013	12/06/2017	16	14	11,100	518
Total Suspended Solids			01/10/2013	12/06/2017	16	11	49,000	3,000
Toxaphene		X (3)	12/06/2017	12/06/2017	1	0		
trans-1,2-Dichloroethene		X (5)	06/05/2017	12/06/2017	2	0		
trans-1,3-Dichloropropene			06/05/2017	12/06/2017	2	0		
trans-1,4-Dichlorobutene-2			06/05/2017	12/06/2017	2	0		
Trichloroethene		X (5)	06/05/2017	12/06/2017	2	0		
Trichlorofluoromethane			06/05/2017	12/06/2017	2	0		
Vanadium			06/05/2017	12/06/2017	2	0		
Vinyl Acetate			06/05/2017	12/06/2017	2	0		
Vinyl Chloride		X (2)	06/05/2017	12/06/2017	2	0		
Xylenes		X (10,000)	06/05/2017	12/06/2017	2	0		

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MW19B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,1-Trichloroethane		X (200)	11/17/2016	12/06/2017	3	0		
1,1,2,2-Tetrachloroethane			11/17/2016	12/06/2017	3	0		
1,1,2-Trichloroethane		X (5)	11/17/2016	12/06/2017	3	0		
1,1-Dichloroethane			11/17/2016	12/06/2017	3	0		
1,1-Dichloroethene		X (7)	11/17/2016	12/06/2017	3	0		
1,1-Dichloropropene			11/17/2016	12/06/2017	3	0		
1,2,3-Trichloropropane			11/17/2016	12/06/2017	3	0		
1,2,4,5-Tetrachlorobenzene			11/17/2016	12/06/2017	2	0		
1,2,4-Trichlorobenzene		X (70)	11/17/2016	12/06/2017	3	0		
1,2-Dibromo-3-Chloropropane			11/17/2016	12/06/2017	3	0		
1,2-Dibromoethane (EDB)			11/17/2016	12/06/2017	3	0		
1,2-Dichlorobenzene			11/17/2016	12/06/2017	3	0		
1,2-Dichloroethane		X (5)	11/17/2016	12/06/2017	3	0		
1,2-Dichloropropane		X (5)	11/17/2016	12/06/2017	3	0		
1,3,5-Trinitrobenzene			11/17/2016	12/06/2017	2	0		
1,3-Dichlorobenzene			11/17/2016	12/06/2017	3	0		
1,3-Dichloropropane			11/17/2016	12/06/2017	3	0		
1,3-Dinitrobenzene			11/17/2016	12/06/2017	2	0		
1,4-Dichlorobenzene			11/17/2016	12/06/2017	3	0		
1,4-Naphthoquinone			11/17/2016	12/06/2017	2	0		
1-Naphthylamine			11/17/2016	12/06/2017	2	0		
2,2-Dichloropropane			11/17/2016	12/06/2017	3	0		
2,3,4,6-Tetrachlorophenol			11/17/2016	12/06/2017	2	0		
2,4,5-T			11/17/2016	12/06/2017	2	0		
2,4,5-Trichlorophenol			11/17/2016	12/06/2017	2	0		
2,4,6-Trichlorophenol			11/17/2016	12/06/2017	2	0		
2,4-Dichlorophenol			11/17/2016	12/06/2017	2	0		
2,4-Dichlorophenoxyacetic Acid			11/17/2016	12/06/2017	2	0		
2,4-Dimethylphenol			11/17/2016	12/06/2017	2	0		
2,4-Dinitrophenol			11/17/2016	12/06/2017	2	0		
2,4-Dinitrotoluene			11/17/2016	12/06/2017	2	0		
2,6-Dichlorophenol			11/17/2016	12/06/2017	2	0		
2,6-Dinitrotoluene			11/17/2016	12/06/2017	2	0		
2-Acetylaminofluorene			11/17/2016	12/06/2017	2	0		
2-Chloronaphthalene			11/17/2016	12/06/2017	2	0		
2-Chlorophenol			11/17/2016	12/06/2017	2	0		
2-Hexanone			11/17/2016	12/06/2017	3	0		
2-Methylnaphthalene			11/17/2016	12/06/2017	2	0		
2-Methylphenol (O-Cresol)			11/17/2016	12/06/2017	2	0		
2-Naphthylamine			11/17/2016	12/06/2017	2	0		
2-Nitroaniline			11/17/2016	12/06/2017	2	0		
2-Nitrophenol			11/17/2016	12/06/2017	2	0		
3,3'-Dichlorobenzidine			11/17/2016	12/06/2017	2	0		
3,3'-Dimethylbenzidine			11/17/2016	12/06/2017	2	0		
3-Methylcholanthrene			11/17/2016	12/06/2017	2	0		

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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			11/17/2016	12/06/2017	2	0		
4,4'-DDD			11/17/2016	12/06/2017	2	0		
4,4'-DDE			11/17/2016	12/06/2017	2	0		
4,4'-DDT			11/17/2016	12/06/2017	2	0		
4,6-Dinitro-2-Methylphenol			11/17/2016	12/06/2017	2	0		
4-Aminobiphenyl			11/17/2016	12/06/2017	2	0		
4-Bromophenyl Phenyl Ether			11/17/2016	12/06/2017	2	0		
4-Chloro-3-Methylphenol			11/17/2016	12/06/2017	2	0		
4-Chloroaniline			11/17/2016	12/06/2017	2	0		
4-Chlorophenyl Phenyl Ether			11/17/2016	12/06/2017	2	0		
4-Dimethylaminoazobenzene			11/17/2016	12/06/2017	2	0		
4-Nitroaniline			11/17/2016	12/06/2017	2	0		
4-Nitrophenol			11/17/2016	12/06/2017	2	0		
5-Nitro-Ortho-Toluidine			11/17/2016	12/06/2017	2	0		
7,12-Dimethylbenz[A]Anthracene			11/17/2016	12/06/2017	2	0		
Acenaphthene			11/17/2016	12/06/2017	2	0		
Acenaphthylene			11/17/2016	12/06/2017	2	0		
Acetone			11/17/2016	12/06/2017	3	1	4.97	4.97
Acetonitrile			11/17/2016	12/06/2017	3	0		
Acetophenone			11/17/2016	12/06/2017	2	0		
Acrolein			11/17/2016	12/06/2017	3	0		
Acrylonitrile			11/17/2016	12/06/2017	3	0		
Aldrin			11/17/2016	12/06/2017	2	0		
Allyl Chloride			11/17/2016	12/06/2017	3	0		
Alpha-BHC			11/17/2016	12/06/2017	2	0		
Aluminum			01/10/2013	12/06/2017	17	1	61.1	61.1
Ammonia			01/10/2013	12/06/2017	17	17	1,240	377
Anthracene			11/17/2016	12/06/2017	2	0		
Antimony			01/10/2013	12/06/2017	17	0		
APFO			04/03/2013	12/06/2017	16	16	0.019	0.0054
Arsenic		X (10)	02/29/2016	12/06/2017	5	5	28.7	9.39
Benzene		X (5)	11/17/2016	12/06/2017	3	0		
Benzo(A)Anthracene			11/17/2016	12/06/2017	2	0		
Benzo(B)Fluoranthene			11/17/2016	12/06/2017	2	0		
Benzo(G,H,I)Perylene			11/17/2016	12/06/2017	2	0		
Benzo(K)Fluoranthene			11/17/2016	12/06/2017	2	0		
Benzo[A]Pyrene		X (0.2)	11/17/2016	12/06/2017	2	0		
Benzyl Alcohol			11/17/2016	12/06/2017	2	0		
Beryllium	X (4)	X (4)	01/10/2013	12/06/2017	17	0		
beta-BHC			11/17/2016	12/06/2017	2	0		
Bis(2-Chloroethoxy)Methane			11/17/2016	12/06/2017	2	0		
Bis(2-Chloroethyl)Ether			11/17/2016	12/06/2017	2	0		
Bis(2-Chloroisopropyl)Ether			11/17/2016	12/06/2017	2	0		
Bis(2-Ethylhexyl)Phthalate			11/17/2016	12/06/2017	2	0		
Boron			01/10/2013	12/06/2017	18	18	220	190
Bromochloromethane			11/17/2016	12/06/2017	3	0		

Appendix A, Table 13
MW19B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Bromoform		X (80)	11/17/2016	12/06/2017	3	0		
Butyl Benzyl Phthalate			11/17/2016	12/06/2017	2	0		
Cadmium	X (5)	X (5)	01/10/2013	12/06/2017	17	0		
Carbon Disulfide			11/17/2016	12/06/2017	3	0		
Carbon Tetrachloride		X (5)	11/17/2016	12/06/2017	3	0		
Chemical Oxygen Demand (COD)			01/10/2013	12/06/2017	17	7	30,500	12,900
Chlordane		X (2)	11/17/2016	12/06/2017	2	0		
Chloride			01/10/2013	12/06/2017	17	17	1,990,000	1,410,000
Chlorobenzene			11/17/2016	12/06/2017	3	0		
Chlorobenzilate			11/17/2016	12/06/2017	2	0		
Chlorodibromomethane			11/17/2016	12/06/2017	3	0		
Chloroform		X (80)	11/17/2016	12/06/2017	3	0		
Chloroprene			11/17/2016	12/06/2017	3	0		
Chromium		X (100)	11/17/2016	12/06/2017	3	0		
Chrysene			11/17/2016	12/06/2017	2	0		
cis-1,2 Dichloroethene		X (70)	11/17/2016	12/06/2017	3	0		
cis-1,3-Dichloropropene			11/17/2016	12/06/2017	3	0		
Cobalt			11/17/2016	12/06/2017	3	0		
Copper	X (1,300)	X (1,300)	01/10/2013	12/06/2017	17	0		
Cresol			11/17/2016	12/06/2017	2	0		
delta-BHC			11/17/2016	12/06/2017	2	0		
Diallate			11/17/2016	12/06/2017	2	0		
Dibenz(A,H)Anthracene			11/17/2016	12/06/2017	2	0		
Dibenzofuran			11/17/2016	12/06/2017	2	0		
Dichlorodifluoromethane			11/17/2016	12/06/2017	3	0		
Dieldrin			11/17/2016	12/06/2017	2	0		
Diethyl Phthalate			11/17/2016	12/06/2017	2	0		
Dimethoate			11/17/2016	12/06/2017	2	0		
Dimethyl Phthalate			11/17/2016	12/06/2017	2	0		
Di-N-Butyl Phthalate			11/17/2016	12/06/2017	2	0		
Dinoseb		X (7)	11/17/2016	12/06/2017	2	0		
Diphenyl Amine			11/17/2016	12/06/2017	2	0		
Disulfoton			11/17/2016	11/17/2016	1	0		
Endosulfan I			11/17/2016	12/06/2017	2	0		
Endosulfan II			11/17/2016	12/06/2017	2	0		
Endosulfan Sulfate			11/17/2016	12/06/2017	2	0		
Endrin		X (2)	11/17/2016	12/06/2017	2	0		
Endrin Aldehyde			11/17/2016	12/06/2017	2	0		
Endrin Ketone			11/17/2016	12/06/2017	2	0		
Ethyl Chloride			11/17/2016	12/06/2017	3	0		
Ethylbenzene		X (700)	11/17/2016	12/06/2017	3	0		
Famphur			11/17/2016	11/17/2016	1	0		
Fluoranthene			11/17/2016	12/06/2017	2	0		
Fluorene			11/17/2016	12/06/2017	2	0		
Fluoride	X (4,000)	X (4,000)	01/10/2013	12/06/2017	17	17	1,720	1,320
Heptachlor		X (0.4)	11/17/2016	12/06/2017	2	0		

Appendix A, Table 13
MW19B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Heptachlor Epoxide			11/17/2016	12/06/2017	2	0		
Hexachlorobenzene		X (1)	11/17/2016	12/06/2017	2	0		
Hexachlorobutadiene			11/17/2016	12/06/2017	2	0		
Hexachlorocyclopentadiene		X (50)	11/17/2016	12/06/2017	2	0		
Hexachloroethane			11/17/2016	12/06/2017	2	0		
Hexachloropropylene			11/17/2016	12/06/2017	2	0		
Indeno (1,2,3-CD) Pyrene			11/17/2016	12/06/2017	2	0		
Iodomethane			11/17/2016	12/06/2017	3	0		
Iron			01/10/2013	12/06/2017	17	17	183	80.5
Isobutyl Alcohol			11/17/2016	12/06/2017	3	0		
Isodrin			11/17/2016	12/06/2017	2	0		
Isophorone			11/17/2016	12/06/2017	2	0		
Kepone			11/17/2016	12/06/2017	2	0		
Lead		X (15)	11/17/2016	12/06/2017	3	0		
Lindane		X (0.2)	11/17/2016	12/06/2017	2	0		
Manganese			01/10/2013	12/06/2017	17	17	103	73.2
Mercury		X (2)	11/17/2016	12/06/2017	3	0		
Methacrylonitrile			11/17/2016	12/06/2017	3	0		
Methapyrilene			11/17/2016	12/06/2017	2	0		
Methoxychlor		X (40)	11/17/2016	12/06/2017	2	0		
Methyl Bromide			11/17/2016	12/06/2017	3	0		
Methyl Chloride			11/17/2016	12/06/2017	3	0		
Methyl Ethyl Ketone			11/17/2016	12/06/2017	3	0		
Methyl Isobutyl Ketone			11/17/2016	12/06/2017	2	0		
Methyl Methacrylate			11/17/2016	12/06/2017	3	0		
Methyl Methanesulfonate			11/17/2016	12/06/2017	2	0		
Methyl Parathion			11/17/2016	11/17/2016	1	0		
Methylene Bromide			11/17/2016	12/06/2017	3	0		
Methylene Chloride			11/17/2016	12/06/2017	3	0		
Naphthalene			11/17/2016	12/06/2017	3	0		
N-Dioctyl Phthalate			11/17/2016	12/06/2017	2	0		
Nickel			11/17/2016	12/06/2017	3	0		
Nitrate	X (10,000)	X (10,000)	01/10/2013	12/06/2017	17	13	764	31
Nitrite	X (1,000)	X (1,000)	01/10/2013	12/06/2017	17	0		
Nitrobenzene			11/17/2016	12/06/2017	2	0		
Nitrogen			04/03/2013	12/06/2017	9	6	284	31
N-Nitroso(Methyl)Ethylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodiethylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodimethylamine			11/17/2016	12/06/2017	2	0		
N-Nitroso-Di-N-Butylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodi-N-Propylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosodiphenylamine			11/17/2016	12/06/2017	2	0		
N-Nitrosomorpholine			11/17/2016	12/06/2017	2	0		
N-Nitrosopiperidine			11/17/2016	12/06/2017	2	0		
N-Nitrosopyrrolidine			11/17/2016	12/06/2017	2	0		
O,O,O-Triethylphosphorothioate			11/17/2016	12/06/2017	2	0		

Appendix A, Table 13
MW19B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
O-Toluidine			11/17/2016	12/06/2017	2	0		
para-Phenylenediamine			11/17/2016	12/06/2017	2	0		
Parathion			11/17/2016	11/17/2016	1	0		
PCB 1016		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1221		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1232		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1242		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1248		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1254		X (0.5)	11/17/2016	12/06/2017	2	0		
PCB 1260		X (0.5)	11/17/2016	12/06/2017	2	0		
Pentachlorobenzene			11/17/2016	12/06/2017	2	0		
Pentachloronitrobenzene			11/17/2016	12/06/2017	2	0		
Pentachlorophenol		X (1)	11/17/2016	12/06/2017	4	0		
PFOA			04/03/2013	12/06/2017	16	16	0.018	0.0052
Phenacetin			11/17/2016	12/06/2017	2	0		
Phenanthrene			11/17/2016	12/06/2017	2	0		
Phenol			11/17/2016	12/06/2017	2	0		
Phorate			11/17/2016	11/17/2016	1	0		
Pronamide			11/17/2016	12/06/2017	2	0		
Propionitrile			11/17/2016	12/06/2017	3	0		
Pyrene			11/17/2016	12/06/2017	2	0		
Safrole			11/17/2016	12/06/2017	2	0		
Selenium		X (50)	02/29/2016	12/06/2017	5	3	26.6	9.3
Silver			01/10/2013	12/06/2017	17	0		
Silvex		X (50)	11/17/2016	12/06/2017	2	0		
Styrene		X (100)	11/17/2016	12/06/2017	3	0		
Sulfate			01/10/2013	12/06/2017	17	17	34,500	6,740
Tetrachloroethene		X (5)	11/17/2016	12/06/2017	3	0		
Thallium	X (2)	X (2)	01/10/2013	12/06/2017	17	1	0.107	0.107
Thionazin			11/17/2016	12/06/2017	2	0		
Tin			11/17/2016	12/06/2017	3	0		
Toluene		X (1,000)	11/17/2016	12/06/2017	3	0		
Total Dissolved Solids			01/10/2013	12/06/2017	17	17	3,920,000	3,140,000
Total Organic Carbon			01/10/2013	12/06/2017	17	16	3,660	557
Total Suspended Solids			01/10/2013	12/06/2017	17	3	7,000	3,500
Toxaphene		X (3)	11/17/2016	12/06/2017	2	0		
trans-1,2-Dichloroethene		X (100)	11/17/2016	12/06/2017	3	0		
trans-1,3-Dichloropropene			11/17/2016	12/06/2017	3	0		
trans-1,4-Dichlorobutene-2			11/17/2016	12/06/2017	3	0		
Trichloroethene		X (5)	11/17/2016	12/06/2017	3	0		
Trichlorofluoromethane			11/17/2016	12/06/2017	3	0		
Vanadium			11/17/2016	12/06/2017	3	0		
Vinyl Acetate			11/17/2016	12/06/2017	3	0		
Vinyl Chloride		X (2)	11/17/2016	12/06/2017	3	0		
Xylenes		X (10,000)	11/17/2016	12/06/2017	3	0		

**Appendix A, Table 14
MW20B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia**

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
1,1,1,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,1-Trichloroethane		X (200)	06/05/2017	12/06/2017	2	0		
1,1,2,2-Tetrachloroethane			06/05/2017	12/06/2017	2	0		
1,1,2-Trichloroethane		X (5)	06/05/2017	12/06/2017	2	0		
1,1-Dichloroethane			06/05/2017	12/06/2017	2	0		
1,1-Dichloroethene		X (7)	06/05/2017	12/06/2017	2	0		
1,1-Dichloropropene			06/05/2017	12/06/2017	2	0		
1,2,3-Trichloropropane			06/05/2017	12/06/2017	2	0		
1,2,4,5-Tetrachlorobenzene			12/06/2017	12/06/2017	1	0		
1,2,4-Trichlorobenzene		X (70)	06/05/2017	12/06/2017	2	0		
1,2-Dibromo-3-Chloropropane			06/05/2017	12/06/2017	2	0		
1,2-Dibromoethane (EDB)			06/05/2017	12/06/2017	2	0		
1,2-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,2-Dichloroethane		X (5)	06/05/2017	12/06/2017	2	0		
1,2-Dichloropropane		X (5)	06/05/2017	12/06/2017	2	0		
1,3,5-Trinitrobenzene			12/06/2017	12/06/2017	1	0		
1,3-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,3-Dichloropropane			06/05/2017	12/06/2017	2	0		
1,3-Dinitrobenzene			12/06/2017	12/06/2017	1	0		
1,4-Dichlorobenzene			06/05/2017	12/06/2017	2	0		
1,4-Naphthoquinone			12/06/2017	12/06/2017	1	0		
1-Naphthylamine			12/06/2017	12/06/2017	1	0		
2,2-Dichloropropane			06/05/2017	12/06/2017	2	0		
2,3,4,6-Tetrachlorophenol			12/06/2017	12/06/2017	1	0		
2,4,5-T			12/06/2017	12/06/2017	1	0		
2,4,5-Trichlorophenol			12/06/2017	12/06/2017	1	0		
2,4,6-Trichlorophenol			12/06/2017	12/06/2017	1	0		
2,4-Dichlorophenol			12/06/2017	12/06/2017	1	0		
2,4-Dichlorophenoxyacetic Acid			12/06/2017	12/06/2017	1	0		
2,4-Dimethylphenol			12/06/2017	12/06/2017	1	0		
2,4-Dinitrophenol			12/06/2017	12/06/2017	1	0		
2,4-Dinitrotoluene			12/06/2017	12/06/2017	1	0		
2,6-Dichlorophenol			12/06/2017	12/06/2017	1	0		
2,6-Dinitrotoluene			12/06/2017	12/06/2017	1	0		
2-Acetylaminofluorene			12/06/2017	12/06/2017	1	0		
2-Chloronaphthalene			12/06/2017	12/06/2017	1	0		
2-Chlorophenol			12/06/2017	12/06/2017	1	0		
2-Hexanone			06/05/2017	12/06/2017	2	0		
2-Methylnaphthalene			12/06/2017	12/06/2017	1	0		
2-Methylphenol (O-Cresol)			12/06/2017	12/06/2017	1	0		
2-Naphthylamine			12/06/2017	12/06/2017	1	0		
2-Nitroaniline			12/06/2017	12/06/2017	1	0		
2-Nitrophenol			12/06/2017	12/06/2017	1	0		
3,3'-Dichlorobenzidine			12/06/2017	12/06/2017	1	0		
3,3'-Dimethylbenzidine			12/06/2017	12/06/2017	1	0		
3-Methylcholanthrene			12/06/2017	12/06/2017	1	0		

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MW20B Summary of Analytical Results
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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
3-Nitroaniline			12/06/2017	12/06/2017	1	0		
4,4'-DDD			12/06/2017	12/06/2017	1	0		
4,4'-DDE			12/06/2017	12/06/2017	1	0		
4,4'-DDT			12/06/2017	12/06/2017	1	0		
4,6-Dinitro-2-Methylphenol			12/06/2017	12/06/2017	1	0		
4-Aminobiphenyl			12/06/2017	12/06/2017	1	0		
4-Bromophenyl Phenyl Ether			12/06/2017	12/06/2017	1	0		
4-Chloro-3-Methylphenol			12/06/2017	12/06/2017	1	0		
4-Chloroaniline			12/06/2017	12/06/2017	1	0		
4-Chlorophenyl Phenyl Ether			12/06/2017	12/06/2017	1	0		
4-Dimethylaminoazobenzene			12/06/2017	12/06/2017	1	0		
4-Nitroaniline			12/06/2017	12/06/2017	1	0		
4-Nitrophenol			12/06/2017	12/06/2017	1	0		
5-Nitro-Ortho-Toluidine			12/06/2017	12/06/2017	1	0		
7,12-Dimethylbenz[A]Anthracene			12/06/2017	12/06/2017	1	0		
Acenaphthene			12/06/2017	12/06/2017	1	0		
Acenaphthylene			12/06/2017	12/06/2017	1	0		
Acetone			06/05/2017	12/06/2017	2	0		
Acetonitrile			06/05/2017	12/06/2017	2	0		
Acetophenone			12/06/2017	12/06/2017	1	0		
Acrolein			06/05/2017	12/06/2017	2	0		
Acrylonitrile			06/05/2017	12/06/2017	2	0		
Aldrin			12/06/2017	12/06/2017	1	0		
Allyl Chloride			06/05/2017	12/06/2017	2	0		
Alpha-BHC			12/06/2017	12/06/2017	1	0		
Aluminum			01/10/2013	12/06/2017	16	2	196	61
Ammonia			01/10/2013	12/06/2017	16	15	455	74.5
Anthracene			12/06/2017	12/06/2017	1	0		
Antimony			01/10/2013	12/06/2017	16	1	0.581	0.581
APFO			01/10/2013	12/06/2017	16	16	0.055	0.030
Arsenic		X (10)	02/29/2016	12/06/2017	4	4	16.4	12.7
Benzene		X (5)	06/05/2017	12/06/2017	2	0		
Benzo(A)Anthracene			12/06/2017	12/06/2017	1	0		
Benzo(B)Fluoranthene			12/06/2017	12/06/2017	1	0		
Benzo(G,H,I)Perylene			12/06/2017	12/06/2017	1	0		
Benzo(K)Fluoranthene			12/06/2017	12/06/2017	1	0		
Benzo[A]Pyrene		X (0.2)	12/06/2017	12/06/2017	1	0		
Benzyl Alcohol			12/06/2017	12/06/2017	1	0		
Beryllium	X (4)	X (4)	01/10/2013	12/06/2017	16	0		
beta-BHC			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroethoxy)Methane			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroethyl)Ether			12/06/2017	12/06/2017	1	0		
Bis(2-Chloroisopropyl)Ether			12/06/2017	12/06/2017	1	0		
Bis(2-Ethylhexyl)Phthalate			12/06/2017	12/06/2017	1	0		
Boron			01/10/2013	12/06/2017	16	16	253	201
Bromochloromethane			06/05/2017	12/06/2017	2	0		

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Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Bromoform		X (80)	06/05/2017	12/06/2017	2	0		
Butyl Benzyl Phthalate			12/06/2017	12/06/2017	1	0		
Cadmium	X (5)	X (5)	01/10/2013	12/06/2017	16	0		
Carbon Disulfide			06/05/2017	12/06/2017	2	0		
Carbon Tetrachloride		X (5)	06/05/2017	12/06/2017	2	0		
Chemical Oxygen Demand (COD)			01/10/2013	12/06/2017	16	1	20,500	20,500
Chlordane		X (2)	12/06/2017	12/06/2017	1	0		
Chloride			01/10/2013	12/06/2017	16	16	506,000	400,000
Chlorobenzene			06/05/2017	12/06/2017	2	0		
Chlorobenzilate			12/06/2017	12/06/2017	1	0		
Chlorodibromomethane			06/05/2017	12/06/2017	2	0		
Chloroform		X (80)	06/05/2017	12/06/2017	2	0		
Chloroprene			06/05/2017	12/06/2017	2	0		
Chromium		X (100)	06/05/2017	12/06/2017	2	0		
Chrysene			12/06/2017	12/06/2017	1	0		
cis-1,2 Dichloroethene		X (70)	06/05/2017	12/06/2017	2	0		
cis-1,3-Dichloropropene			06/05/2017	12/06/2017	2	0		
Cobalt			06/05/2017	12/06/2017	2	0		
Copper	X (1,300)	X (1,300)	01/10/2013	12/06/2017	16	1	14.6	14.6
Cresol			12/06/2017	12/06/2017	1	1	3.47	3.47
delta-BHC			12/06/2017	12/06/2017	1	0		
Diallate			12/06/2017	12/06/2017	1	0		
Dibenz(A,H)Anthracene			12/06/2017	12/06/2017	1	0		
Dibenzofuran			12/06/2017	12/06/2017	1	0		
Dichlorodifluoromethane			06/05/2017	12/06/2017	2	0		
Dieldrin			12/06/2017	12/06/2017	1	0		
Diethyl Phthalate			12/06/2017	12/06/2017	1	0		
Dimethoate			12/06/2017	12/06/2017	1	0		
Dimethyl Phthalate			12/06/2017	12/06/2017	1	0		
Di-N-Butyl Phthalate			12/06/2017	12/06/2017	1	0		
Dinoseb		X (7)	12/06/2017	12/06/2017	1	0		
Diphenyl Amine			12/06/2017	12/06/2017	1	0		
Endosulfan I			12/06/2017	12/06/2017	1	0		
Endosulfan II			12/06/2017	12/06/2017	1	0		
Endosulfan Sulfate			12/06/2017	12/06/2017	1	0		
Endrin		X (2)	12/06/2017	12/06/2017	1	0		
Endrin Aldehyde			12/06/2017	12/06/2017	1	0		
Endrin Ketone			12/06/2017	12/06/2017	1	0		
Ethyl Chloride			06/05/2017	12/06/2017	2	1	1.37	1.37
Ethylbenzene		X (700)	06/05/2017	12/06/2017	2	0		
Fluoranthene			12/06/2017	12/06/2017	1	0		
Fluorene			12/06/2017	12/06/2017	1	0		
Fluoride	X (4,000)	X (4,000)	01/10/2013	12/06/2017	16	16	3,410	2,460
Heptachlor		X (0.4)	12/06/2017	12/06/2017	1	0		
Heptachlor Epoxide		X (0.2)	12/06/2017	12/06/2017	1	0		
Hexachlorobenzene		X (1)	12/06/2017	12/06/2017	1	0		

Appendix A, Table 14
MW20B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Hexachlorobutadiene			12/06/2017	12/06/2017	1	0		
Hexachlorocyclopentadiene		X (50)	12/06/2017	12/06/2017	1	0		
Hexachloroethane			12/06/2017	12/06/2017	1	0		
Hexachloropropylene			12/06/2017	12/06/2017	1	0		
Indeno (1,2,3-CD) Pyrene			12/06/2017	12/06/2017	1	0		
Iodomethane			06/05/2017	12/06/2017	2	0		
Iron			01/10/2013	12/06/2017	16	2	176	78
Isobutyl Alcohol			06/05/2017	12/06/2017	2	0		
Isodrin			12/06/2017	12/06/2017	1	0		
Isophorone			12/06/2017	12/06/2017	1	0		
Kepone			12/06/2017	12/06/2017	1	0		
Lead		X (15)	06/05/2017	12/06/2017	2	0		
Lindane		X (0.2)	12/06/2017	12/06/2017	1	0		
Manganese			01/10/2013	12/06/2017	16	16	36.1	14.1
Mercury		X (2)	06/05/2017	12/06/2017	2	0		
Methacrylonitrile			06/05/2017	12/06/2017	2	0		
Methapyrilene			12/06/2017	12/06/2017	1	0		
Methoxychlor		X (40)	12/06/2017	12/06/2017	1	0		
Methyl Bromide			06/05/2017	12/06/2017	2	0		
Methyl Chloride			06/05/2017	12/06/2017	2	0		
Methyl Ethyl Ketone			06/05/2017	12/06/2017	2	0		
Methyl Isobutyl Ketone			12/06/2017	12/06/2017	1	0		
Methyl Methacrylate			06/05/2017	12/06/2017	2	0		
Methyl Methanesulfonate			12/06/2017	12/06/2017	1	0		
Methylene Bromide			06/05/2017	12/06/2017	2	0		
Methylene Chloride			06/05/2017	12/06/2017	2	0		
Naphthalene			06/05/2017	12/06/2017	2	0		
N-Dioctyl Phthalate			12/06/2017	12/06/2017	1	0		
Nickel			06/05/2017	12/06/2017	2	0		
Nitrate	X (10,000)	X (10,000)	01/10/2013	12/06/2017	16	15	461	31
Nitrite	X (1,000)	X (1,000)	01/10/2013	12/06/2017	16	2	6.76	5.31
Nitrobenzene			12/06/2017	12/06/2017	1	0		
Nitrogen			04/03/2013	12/06/2017	9	9	227	31
N-Nitroso(Methyl)Ethylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodiethylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodimethylamine			12/06/2017	12/06/2017	1	0		
N-Nitroso-Di-N-Butylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodi-N-Propylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosodiphenylamine			12/06/2017	12/06/2017	1	0		
N-Nitrosomorpholine			12/06/2017	12/06/2017	1	0		
N-Nitrosopiperidine			12/06/2017	12/06/2017	1	0		
N-Nitrosopyrrolidine			12/06/2017	12/06/2017	1	0		
O,O,O-Triethylphosphorothioate			12/06/2017	12/06/2017	1	0		
O-Toluidine			12/06/2017	12/06/2017	1	0		
para-Phenylenediamine			12/06/2017	12/06/2017	1	0		
PCB 1016		X (0.5)	12/06/2017	12/06/2017	1	0		

Appendix A, Table 14
MW20B Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
PCB 1221		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1232		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1242		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1248		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1254		X (0.5)	12/06/2017	12/06/2017	1	0		
PCB 1260		X (0.5)	12/06/2017	12/06/2017	1	0		
Pentachlorobenzene			12/06/2017	12/06/2017	1	0		
Pentachloronitrobenzene			12/06/2017	12/06/2017	1	0		
Pentachlorophenol		X (50)	12/06/2017	12/06/2017	2	0		
PFOA			01/10/2013	12/06/2017	16	16	0.053	0.029
Phenacetin			12/06/2017	12/06/2017	1	0		
Phenanthrene			12/06/2017	12/06/2017	1	0		
Phenol			12/06/2017	12/06/2017	1	0		
Pronamide			12/06/2017	12/06/2017	1	0		
Propionitrile			06/05/2017	12/06/2017	2	0		
Pyrene			12/06/2017	12/06/2017	1	0		
Safrole			12/06/2017	12/06/2017	1	0		
Selenium		X (50)	02/29/2016	12/06/2017	4	2	9.04	8.07
Silver			01/10/2013	12/06/2017	16	0		
Silvex		X (50)	12/06/2017	12/06/2017	1	0		
Styrene		X (100)	06/05/2017	12/06/2017	2	0		
Sulfate			01/10/2013	12/06/2017	16	16	30,300	4,060
Tetrachloroethene		X (5)	06/05/2017	12/06/2017	2	0		
Thallium	X (2)	X (2)	01/10/2013	12/06/2017	16	2	0.273	0.21
Thionazin			12/06/2017	12/06/2017	1	0		
Tin			06/05/2017	12/06/2017	2	0		
Toluene		X (1,000)	06/05/2017	12/06/2017	2	0		
Total Dissolved Solids			01/10/2013	12/06/2017	16	16	1,590,000	1,360,000
Total Organic Carbon			01/10/2013	12/06/2017	16	15	25,500	1,800
Total Suspended Solids			01/10/2013	12/06/2017	16	3	18,500	7,500
Toxaphene		X (3)	12/06/2017	12/06/2017	1	0		
trans-1,2-Dichloroethene		X (5)	06/05/2017	12/06/2017	2	0		
trans-1,3-Dichloropropene			06/05/2017	12/06/2017	2	0		
trans-1,4-Dichlorobutene-2			06/05/2017	12/06/2017	2	0		
Trichloroethene		X (5)	06/05/2017	12/06/2017	2	0		
Trichlorofluoromethane			06/05/2017	12/06/2017	2	0		
Vanadium			06/05/2017	12/06/2017	2	0		
Vinyl Acetate			06/05/2017	12/06/2017	2	0		
Vinyl Chloride		X (2)	06/05/2017	12/06/2017	2	0		
Xylenes		X (10,000)	06/05/2017	12/06/2017	2	0		

Yellow cells indicate parameters that exceed groundwater standards

Appendix A, Table 15
MW21A Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum			01/10/2013	12/07/2017	32	4	254	58.1
Ammonia			01/10/2013	12/07/2017	32	28	181	50.1
Antimony			01/10/2013	12/07/2017	32	3	3.27	0.511
APFO			01/10/2013	12/07/2017	28	28	0.320	0.190
Arsenic		X (10)	03/01/2016	12/07/2017	8	2	1.06	0.542
Beryllium	X (4)	X (4)	01/10/2013	12/07/2017	32	0		
Boron			01/10/2013	12/07/2017	32	0		
Cadmium	X (5)	X (5)	01/10/2013	12/07/2017	32	0		
Chemical Oxygen Demand (COD)			01/10/2013	12/07/2017	32	3	30,400	10,100
Chloride			01/10/2013	12/07/2017	32	32	2,960	1,160
Copper	X (1,300)	X (1,300)	01/10/2013	12/07/2017	32	0		
Fluoride	X (4,000)	X (4,000)	01/10/2013	12/07/2017	32	23	88.7	50.5
Iron			01/10/2013	12/07/2017	32	4	574	83.6
Manganese			01/10/2013	12/07/2017	32	30	538	6.58
Nitrate	X (10,000)	X (10,000)	01/10/2013	12/07/2017	32	27	566	33
Nitrite	X (1,000)	X (1,000)	01/10/2013	12/07/2017	32	3	9.84	6.13
Nitrogen			04/04/2013	12/07/2017	16	11	572	33
PFOA			01/10/2013	12/07/2017	28	28	0.310	0.180
Selenium		X (50)	03/01/2016	12/07/2017	8	3	3.52	0.528
Silver			01/10/2013	12/07/2017	32	0		
Sulfate			01/10/2013	12/07/2017	32	32	36,700	27,700
Thallium	X (2)	X (2)	01/10/2013	12/07/2017	32	0		
Total Dissolved Solids			01/10/2013	12/07/2017	32	32	278,000	190,000
Total Organic Carbon			01/10/2013	12/07/2017	32	32	6,120	574
Total Suspended Solids			01/10/2013	12/07/2017	32	9	35,500	3,000

Appendix A, Table 16
MW6A Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum			01/07/2013	12/05/2017	16	1	58.1	58.1
Ammonia			01/07/2013	12/05/2017	16	14	202	71.7
Antimony			01/07/2013	12/05/2017	16	1	0.927	0.927
APFO			01/07/2013	12/05/2017	17	17	0.99	0.33
Arsenic		X (10)	03/01/2016	12/05/2017	4	0		
Beryllium	X (4)	X (4)	01/07/2013	12/05/2017	16	0		
Boron			01/07/2013	12/05/2017	16	2	55.2	51.9
Cadmium	X (5)	X (5)	01/07/2013	12/05/2017	16	0		
Chemical Oxygen Demand (COD)			01/07/2013	12/05/2017	16	2	13,900	10,100
Chloride			01/07/2013	12/05/2017	16	16	8,290	2,090
Copper	X (1,300)	X (1,300)	01/07/2013	12/05/2017	16	0		
Fluoride	X (4,000)	X (4,000)	01/07/2013	12/05/2017	16	15	131	59.7
Iron			01/07/2013	12/05/2017	16	1	54.7	54.7
Manganese			01/07/2013	12/05/2017	16	6	14.8	5.28
Nitrate	X (10,000)	X (10,000)	01/07/2013	12/05/2017	16	15	672	40
Nitrite	X (1,000)	X (1,000)	01/07/2013	12/05/2017	16	0		
Nitrogen			07/16/2013	12/05/2017	6	5	485	69
PFOA			01/07/2013	12/05/2017	17	17	0.95	0.32
Selenium		X (50)	03/01/2016	12/05/2017	5	1	0.79	0.79
Silver			01/07/2013	12/05/2017	16	0		
Sulfate			01/07/2013	12/05/2017	16	16	22,700	16,700
Thallium	X (2)	X (2)	01/07/2013	12/05/2017	16	1	0.118	0.118
Total Dissolved Solids			01/07/2013	12/05/2017	16	16	194,000	64,000
Total Organic Carbon			01/07/2013	12/05/2017	16	16	5,170	1,150
Total Suspended Solids			01/07/2013	12/05/2017	16	2	4,000	3,000

Appendix A, Table 17
Outlet 003 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum	X (750)		04/17/2013	02/07/2018	38	31	2,510	118
APFO			01/11/2013	01/12/2018	50	50	9.40	0.30
Boron			04/17/2013	10/28/2015	7	1	173	173
Fluoride		X (4,000)	01/11/2013	02/07/2018	46	46	608	143
Iron			04/17/2013	02/07/2018	38	32	2,190	69.9
Nitrate		X (10,000)	02/26/2013	02/07/2018	28	28	2,770	98
Nitrite		X (1,000)	02/26/2013	02/03/2016	12	3	15	5.75
Nitrogen			06/10/2013	02/07/2018	12	12	2,770	98
PFOA			01/11/2013	01/12/2018	51	51	9.00	0.29
Phosphorus			02/26/2013	02/03/2016	12	4	1,520	142
Sulfate			04/17/2013	10/28/2015	7	7	60,300	10,300
Total Hardness As CaCO3			07/06/2017	02/16/2018	6	6	206,000	108,000
Total Kjeldahl Nitrogen			02/26/2013	02/03/2016	13	12	1,020	232
Total Suspended Solids	X (100,000)		04/17/2013	02/07/2018	27	24	76,500	4,000
Zinc			04/17/2013	02/07/2018	24	18	462	11.5

Yellow cells indicate parameters that exceed groundwater standards

Appendix A, Table 18
Outlet 004 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum	X (750)		04/17/2013	02/07/2018	41	37	3,670	149
APFO			01/11/2013	01/12/2018	53	53	5.8	0.1
Boron			04/17/2013	10/28/2015	7	0		
Fluoride		X (4,000)	01/11/2013	02/07/2018	48	48	1,520	86.5
Iron			04/17/2013	02/07/2018	41	39	4,370	91.4
Nitrate		X (10,000)	02/26/2013	02/07/2018	29	29	1,940	45
Nitrite		X (1,000)	02/26/2013	02/03/2016	12	2	7.35	5.75
Nitrogen			06/10/2013	02/07/2018	14	14	1,940	45
PFOA			01/11/2013	01/12/2018	54	54	5.6	0.1
Phosphorus			02/26/2013	02/03/2016	13	5	601	142
Sulfate			04/17/2013	10/28/2015	7	7	31,500	4,310
Total Hardness As CaCO3			07/06/2017	02/16/2018	6	6	160,000	79,000
Total Kjeldahl Nitrogen			02/26/2013	02/03/2016	13	12	1,060	117
Total Suspended Solids	X (100,000)		04/17/2013	02/07/2018	29	29	92,500	11,500
Zinc			04/17/2013	02/07/2018	25	19	39.2	10

Yellow cells indicate parameters that exceed groundwater standards

Appendix A, Table 19
Outlet 006 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum	X (750)		01/15/2013	01/30/2018	58	4	243	101
Ammonia	X (10,400)		01/15/2013	01/30/2018	57	53	1,020	54.1
APFO			01/15/2013	01/30/2018	118	66	1.4	0.0054
Benzene		X (5)	01/15/2013	01/27/2016	36	0		
Beryllium		X (4)	01/15/2013	01/27/2016	36	0		
Biochemical Oxygen Demand (BOD) - 5 Day			01/15/2013	01/30/2018	58	9	11,800	1,010
Boron			01/15/2013	01/30/2018	58	27	1,170	50.4
Fluoride		X (4,000)	01/15/2013	01/30/2018	58	57	364	55.4
Iron			01/15/2013	01/30/2018	58	8	230	50.2
Manganese			01/15/2013	01/30/2018	58	38	1,360	7
Nitrate		X (10,000)	01/15/2013	01/30/2018	36	28	957	27
Nitrite		X (1,000)	01/15/2013	01/27/2016	14	6	59.4	8.42
Nitrogen			06/17/2013	01/30/2018	19	13	966	27
PFOA			01/15/2013	01/30/2018	118	66	1.4	0.0052
Phosphorus			01/15/2013	01/27/2016	14	2	192	159
Sulfate			01/15/2013	01/30/2018	58	58	42,100	1,900
Thallium		X (2)	01/15/2013	01/27/2016	35	6	0.2	0.1
Total Dissolved Solids			01/15/2013	01/30/2018	58	58	560,000	114,000
Total Kjeldahl Nitrogen			01/15/2013	01/27/2016	14	7	652	100
Total Suspended Solids	X (60,000)		01/15/2013	01/30/2018	58	4	9,500	3,500

Appendix A, Table 20
SS1 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum			01/15/2013	01/30/2018	43	43	5,550	102
Ammonia			01/15/2013	01/30/2018	83	40	950	63
APFO			01/15/2013	01/30/2018	47	47	1.2	0.23
Benzene		X (5)	01/15/2013	01/30/2018	44	0		
Fluoride		X (4,000)	01/15/2013	01/30/2018	43	36	889	33
Iron			01/15/2013	01/30/2018	43	43	3,840	123
Manganese			01/15/2013	01/30/2018	43	41	255	6.55
PFOA			01/15/2013	01/30/2018	47	47	1.20	0.22
Unionized Ammonia - calc.			01/15/2013	04/13/2017	4	0		

Appendix A, Table 21
SS2 Summary of Analytical Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Parameter Name	Monitoring Requirement (ug/L)	Groundwater Standard (ug/L)	First Sample Date	Last Sample Date	NumSamps	# Detects	Maximum Detected Result (ug/L)	Minimum Detected Result (ug/L)
Aluminum			01/15/2013	01/30/2018	55	45	977	103
Ammonia			01/15/2013	01/30/2018	106	51	923	19
APFO			01/15/2013	01/30/2018	59	57	1.2	0.022
Benzene		X (5)	01/15/2013	01/30/2018	56	0		
Fluoride		X (4,000)	01/15/2013	01/30/2018	55	53	349	76.4
Iron			01/15/2013	01/30/2018	55	51	941	70.2
Manganese			01/15/2013	01/30/2018	55	55	434	7.33
PFOA			01/15/2013	01/30/2018	59	57	1.2	0.021
Unionized Ammonia - calc.			01/15/2013	04/13/2017	5	1	18.7	18.7

Appendix B

Correspondence (4/16/2016)



The Chemours Company
1007 Market Street
PO Box 2047
Wilmington, DE 19899

302-773-1000 t
chemours.com

April 21, 2016

Mr. Scott Mandirola, Director
Department of Environmental Protection
Division of Water & Waste Management
601 57th Street, SE
Charleston, WV 25304

WV/NPDES Permit No. WV0076244
Chemours Company - Dry Run Landfill, Washington, WV

Dear Mr. Mandirola:

The Chemours Company conducts groundwater monitoring and statistical evaluations at the Dry Run Landfill as required by the West Virginia (WV) Solid Waste/National Pollutant Discharge Elimination System (NPDES) permit WV0076244. The permit was reissued on December 17, 2015. Section C.2 Monitoring Well Reporting requires an interwell statistical analysis to determine whether the downgradient wells have a statistically significant increase above upgradient wells and to establish and implement a Phase II Monitoring program if the second sampling confirms a statistically significant increase above upgradient wells. Chemours has evaluated its monitoring well data using several statistical methods, and it appears we may have a statistically significant increase in downgradient wells for several parameters as compared to the upgradient wells. We will determine if this is correct during the next round of sampling and statistical analysis.

The Solid Waste Management Rule (SWMR) provides some flexibility such as allowing alternative intrawell statistical analysis and reduction in Phase II parameters to be monitored and analyzed. Therefore, per the SWMR, Chemours is requesting the following:

- Analyze statistical data using an alternate intrawell methodology per 33 CSR1, Section 4.11.a.7.E.
- Reduce the list of Phase II constituents required to be sampled upon findings of statistically significant increases per 33 CSR1, Section 4.11c.

The SWMR Section 4.11.a.7.E states that another statistical method that meets the performance standards of subparagraph 4.11.a.9.D may be used, provided that:

- 4.11.a.7.E.1 The permittee must place justification for this alternative in the operating record and notify the Secretary of the use of this alternative test; and*
- 4.11.a.7.E.2 The justification must demonstrate that the alternative method meets the performance standards of paragraph 4.11.a.9.*

Chemours proposes to use the non-parametric Mann-Kendall test at 1% significance level (99% confidence level), which is analogous to the use of 99% upper prediction limit (UPL) currently used for the Dry Run Landfill statistical analysis. The Mann-Kendall test meets the performance standards of subparagraph 4.11.a.9.D and 4.11.a.9. Justification for the alternative methodology

is included as Attachment A and has been placed in the operating record. In addition, this letter serves as notification to the Secretary of Chemours' intent to use an alternative intrawell statistical methodology.

The SWMR Section 4.11.c allows for an alternative list of approved parameters for Phase II assessment monitoring as noted below.

- 4.11.c.1. *A Phase II assessment monitoring program is required whenever statistically significant increases over background have been detected between background and downgradient monitoring wells for one or more constituents listed in Appendix I or in the alternative list approved by the Secretary in accordance with subparagraph 4.11.b.2.B.*
- 4.11.c.2. *Phase II Sampling and Analysis Procedures. -- A Phase II monitoring program must include semiannual monitoring of all constituents identified in Appendix II of this rule in addition to specified Phase I parameters, or in the case of Class F solid waste facilities, those specified by the Secretary unless waived by the Secretary upon request of the permittee.*
- 4.11.c.2.E. *The Secretary may delete any of the Phase II monitoring parameters for a SWLF if it can be shown that the removed constituents are not reasonably expected to be in or derived from the waste contained in the SWLF.*

Chemours has evaluated the list of Phase II parameters per 4.11.c. and 4.11.b.2.B and requests the attached list of parameters (Attachment B) to be waived by the Secretary. This request is based upon site knowledge of waste disposed in the landfill and previous site data analysis.

All waste placed in the Dry Run Landfill was non-toxic and not RCRA hazardous. The landfilled material originated from E.I. du Pont de Nemours and Company (DuPont) Washington Works and its auxiliaries, and included fly ash, bottom ash, wastewater treatment plant filter cake, polyamides, acrylics, polyacetal, polyvinyl butyral, polyethylene terephthalate, fluoropolymers, paraffin wax plus fluoropolymers, asbestos, paper, cardboard, glass, construction dirt and miscellaneous solids, scrap piping and metal, and cafeteria waste.

Please respond with your considerations. If you have any questions or need additional information, please call me at 302-773-0067.

Sincerely,

Bart Ruiters
Project Director
The Chemours Company

Attachment(s)

cc: Mr. John Britvec

Attachments

Dry Run Landfill

Interwell vs. Intrawell Statistical Analysis

Groundwater monitoring and statistical reporting for Dry Run Landfill is required by the West Virginia Department of Environmental Protection (WVDEP) Solid Waste/National Pollutant Discharge Elimination System (NPDES) permit WV0076244 (issued December 17, 2015). Section C.2 – Monitoring Well Reporting of this permit requires an interwell statistical analysis to determine if there are statistically significant increases above background wells.

Historically, an interwell prediction interval method for each groundwater parameter at each point-of-compliance well has been used for statistical analysis. Guidance for the selection of statistical procedures was taken from Section 4.11a.7 of Title 33, Series 1, Solid Waste Management Rule (SWMR), Office of Waste Management (OWM), WVDEP.

A prediction interval was estimated from a range of values of the past 16 upgradient background sample event results, which was expected to include future observations from the background population with a specified level of confidence. If a downgradient test sample was outside of the calculated prediction interval, it was said that there was statistical evidence that this downgradient result was different from the upgradient background data at the specified confidence level. If the sample was inside the prediction interval, it was said that there was no evidence for statistical differences from background levels. A one-sided prediction interval [i.e., upper prediction limit (UPL)] was used for the comparison.

Analytical results from MW-14 and MW-18 were used to evaluate background to determine an UPL for each monitoring well constituent listed in permit WV0076244. The UPL calculated for each constituent based on results from MW-14 was compared to results from MW-12, MW-13, and MW-15, to evaluate the possible statistically significant increases over background. Similarly, results from MW-18 were used to determine a UPL for each constituent in order to evaluate the results from MW-16B, MW-17B, MW-19B, and MW-20B.

The historic groundwater data collected from the Dry Run Landfill thus far appears to have substantial spatial differences not related to the site activities. Study of statistical methods has shown that intrawell testing is an appropriate alternative, because all data used in the test is obtained from a single well. It is stated in the 2009 EPA Unified Guidance¹ that an intrawell statistical approach may be more appropriate for a groundwater detection monitoring program, as follows:

“Intrawell testing is an appropriate and recommended alternative strategy for many constituents. Well-specific backgrounds afford intrawell tests certain advantages over the interwell approach. One key advantage is confounding results due to spatial variability are eliminated, since all data used in an intrawell test are obtained from a single location. If natural background levels change substantially from one well to the next, intrawell background provides the most accurate baseline for use in statistical comparisons. “

Recently, an alternative intrawell statistical analysis of the 2015 fourth quarter groundwater monitoring results has been conducted based on a trend evaluation, in which the historic background levels for constituents were found for each individual point-of-compliance monitoring well. To be consistent with the previous statistical testing, the trend test was

¹ U.S. Environmental Protection Agency (EPA). 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance. EPA 530-R-09-007.

conducted based on the last 16 sample events (first quarter 2012 through fourth quarter 2015) to determine whether the concentrations were stable at the historic background levels.

Also suggested in the 2009 EPA Unified Guidance, trend testing can be an intrawell alternative to prediction limits or control charts, as such test allows us to identify those groundwater populations whose mean concentrations are increasing (deteriorating) or decreasing (improving), as follows:

“Ultimately, the goal of any reasonable detection or compliance/assessment monitoring program is to determine whether or not the concentration levels of key contaminants or indicator parameters have significantly increased during the period of monitoring and, if so, whether the increase is attributable to facility waste management practices.”

In completing the intrawell method, time trends in the groundwater quality data for each individual monitoring well were assessed using the non-parametric Mann-Kendall test at 1% significance level (99% confidence level), which is analogous to the use of 99% UPL currently used for the Dry Run Landfill statistical analysis.

Twenty-one analytes for the nine wells listed in the permit WV0076244, resulted in 189 intrawell trend tests. Of these combinations of wells and analytes, six downward trends and three upward trends were found when using the intrawell method. The three upward trends are as follows:

Location ID	Analyte
MW-16B	Boron, Dissolved
MW-19B	Boron, Dissolved
MW-13	Ammonia Nitrogen

Section 17.3.2 of the Unified Guidance states that the Mann-Kendall test is a non-parametric test and is recommended to be used to evaluate temporal trends for intrawell groundwater monitoring data. Results of the non-parametric trend analysis were used to assess the significance of any apparent trend (upward or downward) and to estimate the magnitude of a trend that was found to be significant. Also, the p -value of the Mann-Kendall test can be used to evaluate whether the trend was marginally or highly significant. Although the Mann-Kendall test concluded three significant upward trends, it should be noted that all three well-constituents have very narrow detected ranges (see the attached time-series plots).

After this initial study, Chemours is now planning to use the Mann-Kendall intrawell statistical analysis to meet the semi-annual requirement of WV0076244, Section C.2.g. This method is conclusive of actual statistically significant increases over background values, while meeting the requirements of the SWMR 4.11.a.9.

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
1,1,1,2-Tetrachloroethane	630-20-6	ND	GW Jan. 1997
1,1,1-Trichloroethane; Methylchloroform-	71-55-6	ND	GW Jan. 1997
1,1,2,2-Tetrachloroethane	79-34-5	ND	GW Jan. 1997
1,1,2-Trichloroethane	79-00-5	ND	GW 1Q2002 DMRs
1,1-Dichloroethane; Ethyldidene chloride	75-34-3	ND	GW Jan. 1997
1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4	ND	GW Jan. 1997
1,1-Dichloropropene	563-58-6	ND	GW Jan. 1997
1,2,3-Trichloropropane	96-18-4	ND	GW Jan. 1997
1,2,4-Trichlorobenzene	120-82-1	ND	GW Jan. 1997
1,2-Dibromo-3-chloropropane; DBCP	96-12-8	ND	GW Jan. 1997
1,2-Dibromoethane; Ethylene dibromide; EDB	106-93-4	ND	GW Jan. 1997
1,2-Dichloroethane; Ethylene dichloride	107-06-2	ND	GW Jan. 1997
1,2-Dichloropropane; Propylene dichloride	78-87-5	ND	GW Jan. 1997
1,3-Dichloropropane; Trimethylene dichloride	142-28-9	ND	GW Jan. 1997
2,2-Dichloropropane; Isopropylidene chloride	594-20-7	ND	GW Jan. 1997
2,4,5-Trichlorophenol	95-95-4	ND	GW Jan. 1997
2,4,6-Trichlorophenol	88-06-2	ND	GW Jan. 1997
2,4-Dichlorophenol	120-83-2	ND	GW Jan. 1997
2,4-Dimethylphenol; m-Xylenol	105-67-9	ND	GW Jan. 1997
2,4-Dinitroluene	121-14-2	ND	GW Jan. 1997
2,4-Dinitrophenol	51-28-5	ND	GW Jan. 1997
2,6-Dinitrotoluene	606-20-2	ND	GW Jan. 1997
2-Chloronaphthalene	91-58-7	ND	GW Jan. 1997
2-Chlorophenol	95-57-8	ND	GW Jan. 1997
2-Hexanone; Methyl butyl ketone	591-78-6	ND	GW Jan. 1997
2-Methylnaphthalene	91-57-6	ND	GW Jan. 1997
3,3 ¹ --Dichlorobenzidine	91-94-1	ND	GW Jan. 1997
4,6-Dinitro-o-cresol 4,6-Dinitro-2-methylphenol	534-52-1	ND	GW Jan. 1997
4-Bromophenyl phenyl ether	101-55-3	ND	GW Jan. 1997
4-Chlorophenyl phenyl ether	7005-72-3	ND	GW Jan. 1997
4-Methyl-2-pentanone;-Methyl isobutyl ketone	108-10-1	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
Acenaphthene	83-32-9	ND	GW Jan. 1997
Acenaphthylene	208-96-8	ND	GW Jan. 1997
Acetone	67-64-1	ND	GW Jan. 1997
Acrolein	107-02-8	ND	Leachate (1998 - 2005)
Acrylonitrile	107-13-1	ND	Leachate (1998 - 2005)
Anthracene	120-12-7	ND	GW Jan. 1997
Benzene	71-43-2	ND	Leachate 12/16/2015
Benzo(a)anthracene; Benzathracene	56-55-3	ND	GW Jan. 1997
Benzo(a)pyrene	50-32-8	ND	GW Jan. 1997
Benzo(b)fluoranthene	205-99-2	ND	GW Jan. 1997
Benzo(ghi)perylene	191-24-2	ND	GW Jan. 1997
Benzo(k)fluoranthene	207-08-9	ND	GW Jan. 1997
Benzyl alcohol	100-51-6	ND	GW Jan. 1997
Bis(2-chloro 1-methylethyl) ether; 2,2'-Dichlorodiisopropyl ether; DCIP	108-60-1	ND	GW Jan. 1997
Bis(2-chloroethoxy)methane	111-91-1	ND	GW Jan. 1997
Bis(2-chloroethyl)ether; Dichloroethyl ether	111-44-4	ND	GW Jan. 1997
Bromochloromethane	74-97-5	ND	GW Jan. 1997
Bromoform; Tribromomethane	75-25-2	ND	GW Jan. 1997
Butyl benzyl phthalate; Benzyl butyl phthalate	85-68-7	ND	GW Jan. 1997
Carbon Disulfide	75-15-0	ND	GW Jan. 1997
Carbon tetrachloride	56-23-5	ND	GW Jan. 1997
Chlorobenzene	108-90-7	ND	GW Jan. 1997
Chloro-bromomethane Bromodichloromethane; Dibromochloroemthane	75-27-4	ND	GW Jan. 1997
Chloroethane; Ethyl chloride	75-00-3	ND	GW Jan. 1997
Chloroform, Trichloromethane	67-66-3	ND	GW Jan. 1997
Chromium	(Total)	ND	Leachate 12/16/2015
Chrysene	218-01-9	ND	GW Jan. 1997
cis-1,2-Dichloroethylene; cis-1,2-Dichloroethane	156-59-2	ND	GW Jan. 1997
cis-1,3-Dichloropropene	10061-01-5	ND	GW Jan. 1997
Cyanide	57-12-5	ND	Leachate 12/16/2015 & GW Jan. 1997
Dibenz{a,h}anthracene	53-70-3	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
Dibenzofuran	132-64-9	ND	GW Jan. 1997
Dibromochloromethane; Chlorodibromomethane	124-48-1	ND	GW Jan. 1997
Dichlorodifluoromethane; CFC 12	75-71-8	ND	GW 1Q2002 DMRs
Diethyl phthalate	84-66-2	ND	GW Jan. 1997
Dimethyl phthalate	131-11-3	ND	GW Jan. 1997
Di-n-butyl phthalate	84-74-2	ND	GW Jan. 1997
Di-n-octyl phthalate	117-84-0	ND	GW Jan. 1997
Ethylbenzene	100-41-4	ND	GW Jan. 1997
Fluoranthene	206-44-0	ND	GW Jan. 1997
Fluorene	86-73-7	ND	GW Jan. 1997
Hexachlorobenzene	118-74-1	ND	GW Jan. 1997
Hexachlorobutadiene	87-68-3	ND	GW Jan. 1997
Hexachlorocyclopentadiene	77-47-4	ND	GW Jan. 1997
Hexachloroethane	67-72-1	ND	GW Jan. 1997
Ideno(1,2,3-cd)pyrene	193-39-5	ND	GW Jan. 1997
Isophorone	78-59-1	ND	GW Jan. 1997
Lead	(Total)	ND	Leachate 12/16/2015
m-Cresol; 3-methylphenol	108-39-4	ND	GW Jan. 1997
m-Dichlorobenzene; 1,3-Dichlorobenzene	541-73-1	ND	GW Jan. 1997
Mercury	(Total)	ND	Leachate 12/16/2015
Methyl bromide; Bromomethane	74-83-9	ND	GW Jan. 1997
Methyl chloride; Chloromethane	74-87-3	ND	GW Jan. 1997
Methyl ethyl.ketone; MEK; 2-Butanone	78-93-3	ND	GW Jan. 1997
Methylene bromide; Dibromomethane	74-95-3	ND	GW Jan. 1997
Methylene chloride; Dichloromethane	75-09-2	ND	GW Jan. 1997
m-Nitroaniline; 3-Nitroaniline	99-09-2	ND	GW Jan. 1997
Naphthalene	91-20-3	ND	GW Jan. 1997
Nickel	(Total)	ND	Leachate 12/16/2015
Nitrobenzene	98-95-3	ND	GW Jan. 1997
N-Nitrosodimethylamine	62-75-9	ND	GW Jan. 1997
N-Nitrosodiphenylamine	86-30-6	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine; Di-n-propylnitrosamine	621-64-7	ND	GW Jan. 1997
o-Cresol; 2-methylphenol	95-48-7	ND	GW Jan. 1997
o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1	ND	GW Jan. 1997
o-Nitroaniline; 2-Nitroaniline	88-74-4	ND	GW Jan. 1997
o-Nitrophenol; 2-Nitrophenol	88-75-5	ND	GW Jan. 1997
p-Chloroaniline	106-47-8	ND	GW Jan. 1997
p-Chloro-m-cresol; 4-Chloro-3-methylphenol	59-50-7	ND	GW Jan. 1997
p-Cresol; 4-methylphenol	106-44-5	ND	GW Jan. 1997
p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7	ND	GW Jan. 1997
Pentachlorophenol	87-86-5	ND	GW Jan. 1997
Phenanthrene	85-01-8	ND	GW Jan. 1997 & Leachate (1998 - 2005)
Phenol	108-95-2	ND	Leachate 12/16/2015
p-Nitroaniline; 4-Nitroaniline	100-01-6	ND	GW Jan. 1997
p-Nitrophenol; 4-Nitrophenol	100-02-7	ND	GW Jan. 1997
Polychlorinated biphenyls; PCBs; Aroclors			Site knowledge of waste landfilled
Pyrene	129-00-0	ND	GW Jan. 1997
Styrene	100-42-5	ND	GW Jan. 1997
Sulfide	18496-25-8	ND	Outlet 006 in 2009.
Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4	ND	GW Jan. 1997
Toluene	108-88-3	ND	GW Jan. 1997
trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene	156-60-5	ND	GW Jan. 1997
trans-1,3-Dichloropropene	10061-02-6	ND	GW Jan. 1997
Trichloroethylene; Trichloroethene	79-01-6	ND	GW Jan. 1997
Trichlorofluoro-methane; CFC-11	75-69-4	ND	GW 1Q2002 DMRs
Vanadium	(Total)	ND	Leachate 12/16/2015
Vinyl acetate	108-05-4	ND	GW Jan. 1997
Vinyl chloride; Chloroethene	75-01-4	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Appendix C

Correspondence (8/24/2016)

August 24, 2016

Scott Mandirola, Director
Department of Environmental Protection
Division of Water & Waste Management
601 57th Street, SE
Charleston, WV 25304

WV/NPDES Permit No. WV0076244
Chemours Company - Dry Run Landfill, Washington, WV

Dear Mr. Mandirola:

The Chemours Company conducted groundwater monitoring and statistical evaluations at the Dry Run Landfill during the first half of 2016, as required by the WV Solid Waste/NPDES permit (WV0076244). The statistical analysis report, dated August 15, 2016, has been placed in our operating record and attached to the electronic discharge monitoring report (DMR) submitted on August 19, 2016. This letter serves as notification to the Secretary of statistically significant increases in current data over historical data.

The statistical analysis was completed by the non-parametric Mann-Kendall test at 1% significance level (99% confidence level). This method meets the performance standards of The Solid Waste Management Rule (SWMR), subparagraph 4.11.a.9.D and 4.11.a.9. The analysis included 21 groundwater quality parameters sampled from nine groundwater monitoring wells. Therefore, 189 analytical parameters were statistically tested, four of which showed a significant upward trend. They are summarized in the table below.

Dry Run Landfill 1H16 – Statistically Significant Upward Trends in Groundwater

Location ID	Analyte	2016 Reported Result	Unit	Trend Test Result
MW-15	Sulfate	55.7	mg/L	Upward
MW-17B	Manganese, Dissolved	0.0674	mg/L	Upward
MW-17B	Boron, Dissolved	0.263	mg/L	Upward
MW-19B	Boron, Dissolved	0.2	mg/L	Upward

These monitoring wells are in the process of being resampled for the upward trending constituents, as required by WV0076244, Section C.2.i.2.

If you have any questions or need additional information, please call me at 302-773-0067.

Sincerely,



Bart Ruiters
Project Director
The Chemours Company

Appendix D
Correspondence (9/14/2016)

September 14, 2016

Scott Mandirola, Director
Department of Environmental Protection
Division of Water & Waste Management
601 57th Street, SE
Charleston, WV 25304

WV/NPDES Permit No. WV0076244
Chemours Company - Dry Run Landfill, Washington, WV

Dear Mr. Mandirola:

The Chemours Company conducted groundwater monitoring and statistical evaluations at the Dry Run Landfill during the first half of 2016, as required by the WV Solid Waste/NPDES permit (WV0076244). A letter of notification to the Secretary concerning statistically significant trends in three monitoring wells was sent on August 19, 2016. The three monitoring wells were resampled for the upward trending constituents, and the results were statistically evaluated again, as required by WV0076244, Section C.2.i.2. This letter is notification of the resample data and subsequent statistical analysis.

The statistical analysis was completed by the non-parametric Mann-Kendall test at 1% significance level (99% confidence level). This method meets the performance standards of the Solid Waste Management Rule (SWMR), subparagraph 4.11.a.9.D and 4.11.a.9. The original data, resample data, and trend test results are summarized in the table below.

Dry Run Landfill 1H16 – Groundwater Original and Resample Statistical Results

Location ID	Date Sampled	Analyte	Unit	Result	Trend Test Result
MW-15	3/1/2016	Sulfate	mg/L	55.7	Upward
MW-15	8/17/2016	Sulfate	mg/L	37.9	No Trend
MW-17B	2/29/2016	Boron, Dissolved	mg/L	0.263	Upward
MW-17B	8/17/2016	Boron, Dissolved	mg/L	0.267	Upward
MW-17B	2/29/2016	Manganese, Dissolved	mg/L	0.0674	Upward
MW-17B	8/17/2016	Manganese, Dissolved	mg/L	0.0732	Upward
MW-19B	2/29/2016	Boron, Dissolved	mg/L	0.2	Upward
MW-19B	8/17/2016	Boron, Dissolved	mg/L	0.208	Upward

The resampling of MW-15 did not confirm a statistically significant trend increase for Sulfate. However, the resample results from MW-17B (dissolved boron and dissolved manganese) and MW-19B (dissolved boron) did confirm upward trends.

Section C.2.i.4 of the WV0076244 permit states:

If the repeat sampling confirms that a statistically significant increase over background levels has occurred, the permittee must establish and implement a Phase II assessment monitoring program meeting the requirements of 33 CSR 1, Section 4.11.c, within ninety (90) days.

Chemours has evaluated the list of Phase II parameters per 4.11.c. and 4.11.b.2.B and requests the attached list of parameters (Attachment A) to be waived by the Secretary. This request is based upon site knowledge of waste disposed in the landfill and previous site data analysis.

All waste placed in the Dry Run Landfill was non-toxic and not RCRA hazardous. The landfilled material originated from E.I. du Pont de Nemours and Company (DuPont) Washington Works and its auxiliaries, and included fly ash, bottom ash, wastewater treatment plant filter cake, polyamides, acrylics, polyacetal, polyvinyl butyral, polyethylene terephthalate, fluoropolymers, paraffin wax plus fluoropolymers, asbestos, paper, cardboard, glass, construction dirt and miscellaneous solids, scrap piping and metal, and cafeteria waste.

If you have any questions or need additional information, please call me at (302) 773-0067.

Sincerely,



Bart Ruiters
Project Director
The Chemours Company

cc: Lucinda Kendall, AECOM
Yogesh Patel, WVDEP

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
1,1,1,2-Tetrachloroethane	630-20-6	ND	GW Jan. 1997
1,1,1-Trichloroethane; Methylchloroform-	71-55-6	ND	GW Jan. 1997
1,1,2,2-Tetrachloroethane	79-34-5	ND	GW Jan. 1997
1,1,2-Trichloroethane	79-00-5	ND	GW 1Q2002 DMRs
1,1-Dichloroethane; Ethyldidene chloride	75-34-3	ND	GW Jan. 1997
1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4	ND	GW Jan. 1997
1,1-Dichloropropene	563-58-6	ND	GW Jan. 1997
1,2,3-Trichloropropane	96-18-4	ND	GW Jan. 1997
1,2,4-Trichlorobenzene	120-82-1	ND	GW Jan. 1997
1,2-Dibromo-3-chloropropane; DBCP	96-12-8	ND	GW Jan. 1997
1,2-Dibromoethane; Ethylene dibromide; EDB	106-93-4	ND	GW Jan. 1997
1,2-Dichloroethane; Ethylene dichloride	107-06-2	ND	GW Jan. 1997
1,2-Dichloropropane; Propylene dichloride	78-87-5	ND	GW Jan. 1997
1,3-Dichloropropane; Trimethylene dichloride	142-28-9	ND	GW Jan. 1997
2,2-Dichloropropane; Isopropylidene chloride	594-20-7	ND	GW Jan. 1997
2,4,5-Trichlorophenol	95-95-4	ND	GW Jan. 1997
2,4,6-Trichlorophenol	88-06-2	ND	GW Jan. 1997
2,4-Dichlorophenol	120-83-2	ND	GW Jan. 1997
2,4-Dimethylphenol; m-Xylenol	105-67-9	ND	GW Jan. 1997
2,4-Dinitroluene	121-14-2	ND	GW Jan. 1997
2,4-Dinitrophenol	51-28-5	ND	GW Jan. 1997
2,6-Dinitrotoluene	606-20-2	ND	GW Jan. 1997
2-Chloronaphthalene	91-58-7	ND	GW Jan. 1997
2-Chlorophenol	95-57-8	ND	GW Jan. 1997
2-Hexanone; Methyl butyl ketone	591-78-6	ND	GW Jan. 1997
2-Methylnaphthalene	91-57-6	ND	GW Jan. 1997
3,3 ¹ --Dichlorobenzidine	91-94-1	ND	GW Jan. 1997
4,6-Dinitro-o-cresol 4,6-Dinitro-2-methylphenol	534-52-1	ND	GW Jan. 1997
4-Bromophynyl phenyl ether	101-55-3	ND	GW Jan. 1997
4-Chlorophenyl phenyl ether	7005-72-3	ND	GW Jan. 1997
4-Methyl-2-pentanone;-Methyl isobutyl ketone	108-10-1	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
Acenaphthene	83-32-9	ND	GW Jan. 1997
Acenaphthylene	208-96-8	ND	GW Jan. 1997
Acetone	67-64-1	ND	GW Jan. 1997
Acrolein	107-02-8	ND	Leachate (1998 - 2005)
Acrylonitrile	107-13-1	ND	Leachate (1998 - 2005)
Anthracene	120-12-7	ND	GW Jan. 1997
Benzene	71-43-2	ND	Leachate 12/16/2015
Benzo(a)anthracene; Benzathracene	56-55-3	ND	GW Jan. 1997
Benzo(a)pyrene	50-32-8	ND	GW Jan. 1997
Benzo(b)fluoranthene	205-99-2	ND	GW Jan. 1997
Benzo(ghi)perylene	191-24-2	ND	GW Jan. 1997
Benzo(k)fluoranthene	207-08-9	ND	GW Jan. 1997
Benzyl alcohol	100-51-6	ND	GW Jan. 1997
Bis(2-chloro 1-methylethyl) ether; 2,2'-Dichlorodiisopropyl ether; DCIP	108-60-1	ND	GW Jan. 1997
Bis(2-chloroethoxy)methane	111-91-1	ND	GW Jan. 1997
Bis(2-chloroethyl)ether;Dichloroethyl ether	111-44-4	ND	GW Jan. 1997
Bromochloromethane	74-97-5	ND	GW Jan. 1997
Bromoform; Tribromomethane	75-25-2	ND	GW Jan. 1997
Butyl benzyl phthalate; Benzyl butyl phthalate	85-68-7	ND	GW Jan. 1997
Carbon Disulfide	75-15-0	ND	GW Jan. 1997
Carbon tetrachloride	56-23-5	ND	GW Jan. 1997
Chlorobenzene	108-90-7	ND	GW Jan. 1997
Chloro-bromomethane Bromodichloromethane; Dibromochloroemthane	75-27-4	ND	GW Jan. 1997
Chloroethane; Ethyl chloride	75-00-3	ND	GW Jan. 1997
Chloroform, Trichloromethane	67-66-3	ND	GW Jan. 1997
Chromium	(Total)	ND	Leachate 12/16/2015
Chrysene	218-01-9	ND	GW Jan. 1997
cis-1,2-Dichloroethylene; cis-1,2-Dichloroethane	156-59-2	ND	GW Jan. 1997
cis-1,3-Dichloropropene	10061-01-5	ND	GW Jan. 1997
Cyanide	57-12-5	ND	Leachate 12/16/2015 & GW Jan. 1997
Dibenz{a,h}anthracene	53-70-3	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
Dibenzofuran	132-64-9	ND	GW Jan. 1997
Dibromochloromethane; Chlorodibromomethane	124-48-1	ND	GW Jan. 1997
Dichlorodifluoromethane; CFC 12	75-71-8	ND	GW 1Q2002 DMRs
Diethyl phthalate	84-66-2	ND	GW Jan. 1997
Dimethyl phthalate	131-11-3	ND	GW Jan. 1997
Di-n-butyl phthalate	84-74-2	ND	GW Jan. 1997
Di-n-octyl phthalate	117-84-0	ND	GW Jan. 1997
Ethylbenzene	100-41-4	ND	GW Jan. 1997
Fluoranthene	206-44-0	ND	GW Jan. 1997
Fluorene	86-73-7	ND	GW Jan. 1997
Hexachlorobenzene	118-74-1	ND	GW Jan. 1997
Hexachlorobutadiene	87-68-3	ND	GW Jan. 1997
Hexachlorocyclopentadiene	77-47-4	ND	GW Jan. 1997
Hexachloroethane	67-72-1	ND	GW Jan. 1997
Ideno(1,2,3-cd)pyrene	193-39-5	ND	GW Jan. 1997
Isophorone	78-59-1	ND	GW Jan. 1997
Lead	(Total)	ND	Leachate 12/16/2015
m-Cresol; 3-methylphenol	108-39-4	ND	GW Jan. 1997
m-Dichlorobenzene; 1,3-Dichlorobenzene	541-73-1	ND	GW Jan. 1997
Mercury	(Total)	ND	Leachate 12/16/2015
Methyl bromide; Bromomethane	74-83-9	ND	GW Jan. 1997
Methyl chloride; Chloromethane	74-87-3	ND	GW Jan. 1997
Methyl ethyl.ketone; MEK; 2-Butanone	78-93-3	ND	GW Jan. 1997
Methylene bromide; Dibromomethane	74-95-3	ND	GW Jan. 1997
Methylene chloride; Dichloromethane	75-09-2	ND	GW Jan. 1997
m-Nitroaniline; 3-Nitroaniline	99-09-2	ND	GW Jan. 1997
Naphthalene	91-20-3	ND	GW Jan. 1997
Nickel	(Total)	ND	Leachate 12/16/2015
Nitrobenzene	98-95-3	ND	GW Jan. 1997
N-Nitrosodimethylamine	62-75-9	ND	GW Jan. 1997
N-Nitrosodiphenylamine	86-30-6	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Dry Run Landfill - WV0076244
Request Removal of Analyses from Phase II Sampling Requirements

Parameter	CAS RN ³	Analysis*	Comments**
N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine; Di-n-propylnitrosamine	621-64-7	ND	GW Jan. 1997
o-Cresol; 2-methylphenol	95-48-7	ND	GW Jan. 1997
o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1	ND	GW Jan. 1997
o-Nitroaniline; 2-Nitroaniline	88-74-4	ND	GW Jan. 1997
o-Nitrophenol; 2-Nitrophenol	88-75-5	ND	GW Jan. 1997
p-Chloroaniline	106-47-8	ND	GW Jan. 1997
p-Chloro-m-cresol; 4-Chloro-3-methylphenol	59-50-7	ND	GW Jan. 1997
p-Cresol; 4-methylphenol	106-44-5	ND	GW Jan. 1997
p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7	ND	GW Jan. 1997
Pentachlorophenol	87-86-5	ND	GW Jan. 1997
Phenanthrene	85-01-8	ND	GW Jan. 1997 & Leachate (1998 - 2005)
Phenol	108-95-2	ND	Leachate 12/16/2015
p-Nitroaniline; 4-Nitroaniline	100-01-6	ND	GW Jan. 1997
p-Nitrophenol; 4-Nitrophenol	100-02-7	ND	GW Jan. 1997
Polychlorinated biphenyls; PCBs; Aroclors			Site knowledge of waste landfilled
Pyrene	129-00-0	ND	GW Jan. 1997
Styrene	100-42-5	ND	GW Jan. 1997
Sulfide	18496-25-8	ND	Outlet 006 in 2009.
Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4	ND	GW Jan. 1997
Toluene	108-88-3	ND	GW Jan. 1997
trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene	156-60-5	ND	GW Jan. 1997
trans-1,3-Dichloropropene	10061-02-6	ND	GW Jan. 1997
Trichloroethylene; Trichloroethene	79-01-6	ND	GW Jan. 1997
Trichlorofluoro-methane; CFC-11	75-69-4	ND	GW 1Q2002 DMRs
Vanadium	(Total)	ND	Leachate 12/16/2015
Vinyl acetate	108-05-4	ND	GW Jan. 1997
Vinyl chloride; Chloroethene	75-01-4	ND	GW Jan. 1997

* ND = not detected

** GW = groundwater

Appendix E

Mann-Kendall Trend Test Results

Appendix E
Mann-Kendall Trend Test Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Period	Location ID	Analyte Seq	Analyte	Units	No. of Detects	Detection Rate	Detected Values		Non-detect Method Detection Limit		Trend Analysis		
							Min	Max	Min	Max	Mann-Kendall S statistic	p-value	Trend Test Result ($\alpha = 1\%$)
Last 5 Years	MW-12	1	Total Dissolved Solids	mg/L	16	100%	436	526	-	-	-14	0.282	No Trend
Last 5 Years	MW-12	2	COD	mg/L	16	6%	21.9	21.9	10	10	-5	0.447	No Trend
Last 5 Years	MW-12	3	Total Organic Carbon	mg/L	16	100%	0.585	10.7	-	-	-42	0.032	No Trend
Last 5 Years	MW-12	4	Iron, Dissolved	mg/L	16	0%	-	-	0.05	0.05	-	-	-
Last 5 Years	MW-12	5	Manganese, Dissolved	mg/L	16	31%	0.00575	0.0312	0.005	0.005	-1	0.518	No Trend
Last 5 Years	MW-12	6	Sulfate	mg/L	16	100%	30	33.8	-	-	25	0.153	No Trend
Last 5 Years	MW-12	7	Aluminum, Dissolved	mg/L	16	0%	-	-	0.05	0.1	-	-	-
Last 5 Years	MW-12	8	Antimony, Dissolved	mg/L	16	19%	0.000605	0.000905	0.0005	0.0005	30	0.097	No Trend
Last 5 Years	MW-12	9	Arsenic, Dissolved	mg/L	4	100%	0.00537	0.00735	-	-	4	0.167	No Trend
Last 5 Years	MW-12	10	Beryllium, Dissolved	mg/L	16	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-12	11	Boron, Dissolved	mg/L	16	100%	0.0982	0.134	-	-	-17	0.253	No Trend
Last 5 Years	MW-12	12	Cadmium, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-12	13	Copper, Dissolved	mg/L	16	0%	-	-	0.01	0.01	-	-	-
Last 5 Years	MW-12	14	Selenium, Dissolved	mg/L	4	50%	0.000683	0.000698	0.0005	0.0005	-5	0.167	No Trend
Last 5 Years	MW-12	15	Silver, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-12	16	Thallium, Dissolved	mg/L	16	19%	0.0001	0.000252	0.0001	0.0001	17	0.253	No Trend
Last 5 Years	MW-12	17	Chloride	mg/L	16	100%	5.19	8.65	-	-	-29	0.114	No Trend
Last 5 Years	MW-12	18	Ammonia Nitrogen	mg/L	16	81%	0.0638	0.3	0.05	0.05	-3	0.482	No Trend
Last 5 Years	MW-12	19	Nitrate Nitrogen	mg/L	16	94%	0.043	0.458	0.025	0.025	-35	0.070	No Trend
Last 5 Years	MW-12	20	Nitrite Nitrogen	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-12	21	Fluoride	mg/L	16	100%	0.204	4.4685	-	-	19	0.225	No Trend
Last 5 Years	MW-12	22	APFO	ug/L	16	100%	0.056	0.086	-	-	-60	0.003	Downward
Last 5 Years	MW-13	1	Total Dissolved Solids	mg/L	16	100%	374	454	-	-	8	0.378	No Trend
Last 5 Years	MW-13	2	COD	mg/L	16	0%	-	-	10	10	-	-	-
Last 5 Years	MW-13	3	Total Organic Carbon	mg/L	16	100%	1.16	32.3	-	-	4	0.447	No Trend
Last 5 Years	MW-13	4	Iron, Dissolved	mg/L	16	6%	0.0856	0.0856	0.05	0.05	-11	0.345	No Trend
Last 5 Years	MW-13	5	Manganese, Dissolved	mg/L	16	6%	0.0168	0.0168	0.005	0.005	-5	0.447	No Trend
Last 5 Years	MW-13	6	Sulfate	mg/L	16	100%	30.8	33.6	-	-	31	0.097	No Trend
Last 5 Years	MW-13	7	Aluminum, Dissolved	mg/L	16	6%	0.0507	0.0507	0.05	0.1	0	0.518	No Trend
Last 5 Years	MW-13	8	Antimony, Dissolved	mg/L	16	0%	-	-	0.0005	0.0005	-	-	-
Last 5 Years	MW-13	9	Arsenic, Dissolved	mg/L	4	100%	0.0148	0.0209	-	-	0	0.625	No Trend
Last 5 Years	MW-13	10	Beryllium, Dissolved	mg/L	16	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-13	11	Boron, Dissolved	mg/L	16	100%	0.0592	0.163	-	-	33	0.083	No Trend
Last 5 Years	MW-13	12	Cadmium, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-13	13	Copper, Dissolved	mg/L	16	0%	-	-	0.01	0.01	-	-	-
Last 5 Years	MW-13	14	Selenium, Dissolved	mg/L	4	100%	0.000729	0.0125	-	-	-2	0.375	No Trend

Appendix E
Mann-Kendall Trend Test Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Period	Location ID	Analyte Seq	Analyte	Units	No. of Detects	Detection Rate	Detected Values		Non-detect Method Detection Limit		Trend Analysis		
							Min	Max	Min	Max	Mann-Kendall S statistic	p-value	Trend Test Result ($\alpha = 1\%$)
Last 5 Years	MW-13	15	Silver, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-13	16	Thallium, Dissolved	mg/L	16	13%	0.000135	0.000204	0.0001	0.0001	-3	0.482	No Trend
Last 5 Years	MW-13	17	Chloride	mg/L	16	100%	10.3	13.4	-	-	-31	0.097	No Trend
Last 5 Years	MW-13	18	Ammonia Nitrogen	mg/L	16	81%	0.0721	0.4	0.05	0.05	39	0.048	No Trend
Last 5 Years	MW-13	19	Nitrate Nitrogen	mg/L	16	100%	0.882	1.62	-	-	-1	0.518	No Trend
Last 5 Years	MW-13	20	Nitrite Nitrogen	mg/L	16	6%	0.00579	0.00579	0.005	0.005	1	0.518	No Trend
Last 5 Years	MW-13	21	Fluoride	mg/L	16	94%	0.363	0.505	0.05	0.05	0	0.518	No Trend
Last 5 Years	MW-13	22	APFO	ug/L	16	100%	15	22	-	-	-70	0.001	Downward
Last 5 Years	MW-14	1	Total Dissolved Solids	mg/L	16	100%	4910	7180	-	-	-36	0.058	No Trend
Last 5 Years	MW-14	2	COD	mg/L	16	56%	20.9	56.8	10	20	-11	0.345	No Trend
Last 5 Years	MW-14	3	Total Organic Carbon	mg/L	16	75%	0.997	31.4	0.5	1	12	0.313	No Trend
Last 5 Years	MW-14	4	Iron, Dissolved	mg/L	16	100%	0.1	0.763	-	-	-61	0.003	Downward
Last 5 Years	MW-14	5	Manganese, Dissolved	mg/L	16	100%	0.0961	0.197	-	-	-22	0.175	No Trend
Last 5 Years	MW-14	6	Sulfate	mg/L	16	44%	3.84	17.4	10	25	0	0.518	No Trend
Last 5 Years	MW-14	7	Aluminum, Dissolved	mg/L	16	0%	-	-	0.05	0.1	-	-	-
Last 5 Years	MW-14	8	Antimony, Dissolved	mg/L	16	0%	-	-	0.0005	0.0005	-	-	-
Last 5 Years	MW-14	9	Arsenic, Dissolved	mg/L	4	100%	0.00948	0.0122	-	-	0	0.625	No Trend
Last 5 Years	MW-14	10	Beryllium, Dissolved	mg/L	16	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-14	11	Boron, Dissolved	mg/L	16	100%	0.202	0.244	-	-	39	0.048	No Trend
Last 5 Years	MW-14	12	Cadmium, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-14	13	Copper, Dissolved	mg/L	16	0%	-	-	0.01	0.01	-	-	-
Last 5 Years	MW-14	14	Selenium, Dissolved	mg/L	4	75%	0.0103	0.0483	0.005	0.005	-2	0.375	No Trend
Last 5 Years	MW-14	15	Silver, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-14	16	Thallium, Dissolved	mg/L	16	6%	0.000223	0.000223	0.0001	0.0001	11	0.345	No Trend
Last 5 Years	MW-14	17	Chloride	mg/L	16	100%	11	4230	-	-	46	0.021	No Trend
Last 5 Years	MW-14	18	Ammonia Nitrogen	mg/L	16	100%	0.434	0.697	-	-	-15	0.282	No Trend
Last 5 Years	MW-14	19	Nitrate Nitrogen	mg/L	16	81%	0.057	0.608	0.025	0.025	-57	0.006	Downward
Last 5 Years	MW-14	20	Nitrite Nitrogen	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-14	21	Fluoride	mg/L	16	100%	0.451	0.673	-	-	-16	0.253	No Trend
Last 5 Years	MW-14	22	APFO	ug/L	16	100%	0.028	0.0445	-	-	6	0.412	No Trend
Last 5 Years	MW-15	1	Total Dissolved Solids	mg/L	16	100%	530	610	-	-	5	0.447	No Trend
Last 5 Years	MW-15	2	COD	mg/L	16	19%	14	28.3	10	10	-6	0.412	No Trend
Last 5 Years	MW-15	3	Total Organic Carbon	mg/L	16	94%	1.26	36.9	0.5	0.5	-14	0.282	No Trend
Last 5 Years	MW-15	4	Iron, Dissolved	mg/L	16	0%	-	-	0.05	0.05	-	-	-
Last 5 Years	MW-15	5	Manganese, Dissolved	mg/L	16	13%	0.00508	0.0191	0.005	0.005	5	0.447	No Trend
Last 5 Years	MW-15	6	Sulfate	mg/L	16	100%	31.5	61.6	-	-	61	0.003	Upward

Appendix E
Mann-Kendall Trend Test Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Period	Location ID	Analyte Seq	Analyte	Units	No. of Detects	Detection Rate	Detected Values		Non-detect Method Detection Limit		Trend Analysis		
							Min	Max	Min	Max	Mann-Kendall S statistic	p-value	Trend Test Result ($\alpha = 1\%$)
Last 5 Years	MW-15	7	Aluminum, Dissolved	mg/L	16	0%	-	-	0.05	0.1	-	-	-
Last 5 Years	MW-15	8	Antimony, Dissolved	mg/L	16	0%	-	-	0.0005	0.0005	-	-	-
Last 5 Years	MW-15	9	Arsenic, Dissolved	mg/L	4	100%	0.00291	0.00435	-	-	2	0.375	No Trend
Last 5 Years	MW-15	10	Beryllium, Dissolved	mg/L	16	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-15	11	Boron, Dissolved	mg/L	16	100%	0.202	0.247	-	-	3	0.482	No Trend
Last 5 Years	MW-15	12	Cadmium, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-15	13	Copper, Dissolved	mg/L	16	0%	-	-	0.01	0.01	-	-	-
Last 5 Years	MW-15	14	Selenium, Dissolved	mg/L	4	50%	0.0014	0.00154	0.0005	0.001	-3	0.375	No Trend
Last 5 Years	MW-15	15	Silver, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-15	16	Thallium, Dissolved	mg/L	16	13%	0.000106	0.000215	0.0001	0.0001	-3	0.482	No Trend
Last 5 Years	MW-15	17	Chloride	mg/L	16	100%	6.91	3990	-	-	-28	0.114	No Trend
Last 5 Years	MW-15	18	Ammonia Nitrogen	mg/L	16	81%	0.0788	0.193	0.05	0.05	25	0.153	No Trend
Last 5 Years	MW-15	19	Nitrate Nitrogen	mg/L	16	100%	0.09	1.16	-	-	-24	0.153	No Trend
Last 5 Years	MW-15	20	Nitrite Nitrogen	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-15	21	Fluoride	mg/L	16	100%	1.38	2.45	-	-	-13	0.313	No Trend
Last 5 Years	MW-15	22	APFO	ug/L	16	100%	1.1	3.1	-	-	-67	0.001	Downward
Last 5 Years	MW-16B	1	Total Dissolved Solids	mg/L	16	100%	586	1220	-	-	-30	0.097	No Trend
Last 5 Years	MW-16B	2	COD	mg/L	16	19%	11.4	26.1	10	20	-7	0.412	No Trend
Last 5 Years	MW-16B	3	Total Organic Carbon	mg/L	16	94%	1.17	16.6	0.5	0.5	-6	0.412	No Trend
Last 5 Years	MW-16B	4	Iron, Dissolved	mg/L	16	19%	0.0647	0.162	0.05	0.05	-20	0.199	No Trend
Last 5 Years	MW-16B	5	Manganese, Dissolved	mg/L	16	6%	0.00923	0.00923	0.005	0.005	-7	0.412	No Trend
Last 5 Years	MW-16B	6	Sulfate	mg/L	16	100%	18.7	21.8	-	-	7	0.412	No Trend
Last 5 Years	MW-16B	7	Aluminum, Dissolved	mg/L	16	19%	0.113	0.142	0.05	0.1	-6	0.412	No Trend
Last 5 Years	MW-16B	8	Antimony, Dissolved	mg/L	16	13%	0.000603	0.00126	0.0005	0.0005	1	0.518	No Trend
Last 5 Years	MW-16B	9	Arsenic, Dissolved	mg/L	4	100%	0.011	0.0134	-	-	-6	0.042	No Trend
Last 5 Years	MW-16B	10	Beryllium, Dissolved	mg/L	16	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-16B	11	Boron, Dissolved	mg/L	16	100%	0.294	0.339	-	-	24	0.153	No Trend
Last 5 Years	MW-16B	12	Cadmium, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-16B	13	Copper, Dissolved	mg/L	16	0%	-	-	0.01	0.01	-	-	-
Last 5 Years	MW-16B	14	Selenium, Dissolved	mg/L	4	75%	0.000693	0.00342	0.0025	0.0025	-3	0.375	No Trend
Last 5 Years	MW-16B	15	Silver, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-16B	16	Thallium, Dissolved	mg/L	16	31%	0.000145	0.000505	0.0001	0.0001	11	0.345	No Trend
Last 5 Years	MW-16B	17	Chloride	mg/L	16	100%	66	76.3	-	-	-8	0.378	No Trend
Last 5 Years	MW-16B	18	Ammonia Nitrogen	mg/L	16	69%	0.0739	0.452	0.05	0.05	66	0.001	Upward
Last 5 Years	MW-16B	19	Nitrate Nitrogen	mg/L	16	100%	0.166	0.449	-	-	8	0.378	No Trend
Last 5 Years	MW-16B	20	Nitrite Nitrogen	mg/L	16	0%	-	-	0.005	0.005	-	-	-

Appendix E
Mann-Kendall Trend Test Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Period	Location ID	Analyte Seq	Analyte	Units	No. of Detects	Detection Rate	Detected Values		Non-detect Method Detection Limit		Trend Analysis		
							Min	Max	Min	Max	Mann-Kendall S statistic	p-value	Trend Test Result ($\alpha = 1\%$)
Last 5 Years	MW-16B	21	Fluoride	mg/L	16	100%	2.46	3.11	-	-	-18	0.225	No Trend
Last 5 Years	MW-16B	22	APFO	ug/L	15	100%	0.0054	0.015	-	-	-42	0.018	No Trend
Last 5 Years	MW-17B	1	Total Dissolved Solids	mg/L	16	100%	4000	4760	-	-	-19	0.225	No Trend
Last 5 Years	MW-17B	2	COD	mg/L	17	53%	10.2	47.2	10	20	7	0.420	No Trend
Last 5 Years	MW-17B	3	Total Organic Carbon	mg/L	17	88%	0.638	4.91	0.5	1	2	0.484	No Trend
Last 5 Years	MW-17B	4	Iron, Dissolved	mg/L	17	24%	0.0628	0.0837	0.05	0.05	8	0.388	No Trend
Last 5 Years	MW-17B	5	Manganese, Dissolved	mg/L	17	100%	0.0603	0.0748	-	-	53	0.017	No Trend
Last 5 Years	MW-17B	6	Sulfate	mg/L	17	82%	5.97	48.6	10	10	-17	0.271	No Trend
Last 5 Years	MW-17B	7	Aluminum, Dissolved	mg/L	17	6%	0.0588	0.0588	0.05	0.1	0	0.516	No Trend
Last 5 Years	MW-17B	8	Antimony, Dissolved	mg/L	17	0%	-	-	0.0005	0.00125	-	-	-
Last 5 Years	MW-17B	9	Arsenic, Dissolved	mg/L	5	100%	0.00767	0.0101	-	-	-2	0.408	No Trend
Last 5 Years	MW-17B	10	Beryllium, Dissolved	mg/L	17	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-17B	11	Boron, Dissolved	mg/L	17	100%	0.24	0.293	-	-	15	0.299	No Trend
Last 5 Years	MW-17B	12	Cadmium, Dissolved	mg/L	17	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-17B	13	Copper, Dissolved	mg/L	17	0%	-	-	0.01	0.01	-	-	-
Last 5 Years	MW-17B	14	Selenium, Dissolved	mg/L	5	100%	0.0185	0.0389	-	-	-4	0.242	No Trend
Last 5 Years	MW-17B	15	Silver, Dissolved	mg/L	17	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-17B	16	Thallium, Dissolved	mg/L	17	12%	0.000121	0.00015	0.0001	0.00025	0	0.516	No Trend
Last 5 Years	MW-17B	17	Chloride	mg/L	17	100%	1780	2910	-	-	-3	0.484	No Trend
Last 5 Years	MW-17B	18	Ammonia Nitrogen	mg/L	17	94%	0.39	0.773	0.05	0.05	35	0.088	No Trend
Last 5 Years	MW-17B	19	Nitrate Nitrogen	mg/L	17	100%	0.077	0.451	-	-	-34	0.088	No Trend
Last 5 Years	MW-17B	20	Nitrite Nitrogen	mg/L	17	100%	0.0543	0.148	-	-	-65	0.004	Downward
Last 5 Years	MW-17B	21	Fluoride	mg/L	17	100%	1.08	2.34	-	-	7	0.420	No Trend
Last 5 Years	MW-17B	22	APFO	ug/L	17	100%	0.044	0.075	-	-	-52	0.017	No Trend
Last 5 Years	MW-18B	1	Total Dissolved Solids	mg/L	15	100%	3600	6550	-	-	23	0.141	No Trend
Last 5 Years	MW-18B	2	COD	mg/L	16	56%	12.3	54.2	20	20	9	0.378	No Trend
Last 5 Years	MW-18B	3	Total Organic Carbon	mg/L	16	88%	0.518	11.1	0.5	1	18	0.225	No Trend
Last 5 Years	MW-18B	4	Iron, Dissolved	mg/L	16	88%	0.0654	0.5	0.05	0.05	-23	0.175	No Trend
Last 5 Years	MW-18B	5	Manganese, Dissolved	mg/L	16	100%	0.116	0.189	-	-	-44	0.026	No Trend
Last 5 Years	MW-18B	6	Sulfate	mg/L	16	81%	5.82	49.8	7.5	10	-3	0.482	No Trend
Last 5 Years	MW-18B	7	Aluminum, Dissolved	mg/L	16	13%	0.061	0.118	0.05	0.1	9	0.378	No Trend
Last 5 Years	MW-18B	8	Antimony, Dissolved	mg/L	16	0%	-	-	0.0005	0.0005	-	-	-
Last 5 Years	MW-18B	9	Arsenic, Dissolved	mg/L	4	100%	0.00683	0.00923	-	-	4	0.167	No Trend
Last 5 Years	MW-18B	10	Beryllium, Dissolved	mg/L	16	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-18B	11	Boron, Dissolved	mg/L	16	100%	0.208	0.243	-	-	25	0.153	No Trend
Last 5 Years	MW-18B	12	Cadmium, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-

Appendix E
Mann-Kendall Trend Test Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Period	Location ID	Analyte Seq	Analyte	Units	No. of Detects	Detection Rate	Detected Values		Non-detect Method Detection Limit		Trend Analysis		
							Min	Max	Min	Max	Mann-Kendall S statistic	p-value	Trend Test Result ($\alpha = 1\%$)
Last 5 Years	MW-18B	13	Copper, Dissolved	mg/L	16	6%	0.0395	0.0395	0.01	0.01	-13	0.313	No Trend
Last 5 Years	MW-18B	14	Selenium, Dissolved	mg/L	4	75%	0.0183	0.0284	0.0025	0.0025	-2	0.375	No Trend
Last 5 Years	MW-18B	15	Silver, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-18B	16	Thallium, Dissolved	mg/L	16	6%	0.00011	0.00011	0.0001	0.0001	9	0.378	No Trend
Last 5 Years	MW-18B	17	Chloride	mg/L	16	100%	2040	3020	-	-	59	0.004	Upward
Last 5 Years	MW-18B	18	Ammonia Nitrogen	mg/L	16	100%	0.249	0.626	-	-	13	0.313	No Trend
Last 5 Years	MW-18B	19	Nitrate Nitrogen	mg/L	15	80%	0.043	0.237	0.025	0.025	-39	0.029	No Trend
Last 5 Years	MW-18B	20	Nitrite Nitrogen	mg/L	16	25%	0.00513	0.00837	0.005	0.005	-2	0.482	No Trend
Last 5 Years	MW-18B	21	Fluoride	mg/L	16	100%	0.948	1.26	-	-	5	0.447	No Trend
Last 5 Years	MW-18B	22	APFO	ug/L	15	80%	0.0055	0.015	0.005	0.005	14	0.248	No Trend
Last 5 Years	MW-19B	1	Total Dissolved Solids	mg/L	17	100%	3140	3920	-	-	-5	0.452	No Trend
Last 5 Years	MW-19B	2	COD	mg/L	17	41%	12.9	30.5	10	20	18	0.245	No Trend
Last 5 Years	MW-19B	3	Total Organic Carbon	mg/L	17	94%	0.557	3.66	1	1	15	0.299	No Trend
Last 5 Years	MW-19B	4	Iron, Dissolved	mg/L	17	100%	0.0805	0.183	-	-	-13	0.328	No Trend
Last 5 Years	MW-19B	5	Manganese, Dissolved	mg/L	17	100%	0.0732	0.103	-	-	-63	0.005	Downward
Last 5 Years	MW-19B	6	Sulfate	mg/L	17	100%	6.74	34.5	-	-	4	0.452	No Trend
Last 5 Years	MW-19B	7	Aluminum, Dissolved	mg/L	17	6%	0.0611	0.0611	0.05	0.1	0	0.516	No Trend
Last 5 Years	MW-19B	8	Antimony, Dissolved	mg/L	17	0%	-	-	0.0005	0.00125	-	-	-
Last 5 Years	MW-19B	9	Arsenic, Dissolved	mg/L	5	100%	0.00939	0.0287	-	-	-2	0.408	No Trend
Last 5 Years	MW-19B	10	Beryllium, Dissolved	mg/L	17	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-19B	11	Boron, Dissolved	mg/L	17	100%	0.19	0.22	-	-	9	0.388	No Trend
Last 5 Years	MW-19B	12	Cadmium, Dissolved	mg/L	17	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-19B	13	Copper, Dissolved	mg/L	17	0%	-	-	0.01	0.01	-	-	-
Last 5 Years	MW-19B	14	Selenium, Dissolved	mg/L	5	60%	0.0093	0.0266	0.0025	0.025	-4	0.242	No Trend
Last 5 Years	MW-19B	15	Silver, Dissolved	mg/L	17	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-19B	16	Thallium, Dissolved	mg/L	17	6%	0.000107	0.000107	0.0001	0.00025	0	0.516	No Trend
Last 5 Years	MW-19B	17	Chloride	mg/L	17	100%	1410	1990	-	-	36	0.076	No Trend
Last 5 Years	MW-19B	18	Ammonia Nitrogen	mg/L	17	100%	0.377	1.24	-	-	6	0.420	No Trend
Last 5 Years	MW-19B	19	Nitrate Nitrogen	mg/L	17	76%	0.031	0.764	0.025	0.025	-44	0.038	No Trend
Last 5 Years	MW-19B	20	Nitrite Nitrogen	mg/L	17	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-19B	21	Fluoride	mg/L	17	100%	1.32	1.72	-	-	1	0.516	No Trend
Last 5 Years	MW-19B	22	APFO	ug/L	16	100%	0.0054	0.019	-	-	-10	0.345	No Trend
Last 5 Years	MW-20B	1	Total Dissolved Solids	mg/L	16	100%	1360	1590	-	-	-24	0.153	No Trend
Last 5 Years	MW-20B	2	COD	mg/L	16	6%	20.5	20.5	10	20	-5	0.447	No Trend
Last 5 Years	MW-20B	3	Total Organic Carbon	mg/L	16	94%	1.8	25.5	2	2	7	0.412	No Trend
Last 5 Years	MW-20B	4	Iron, Dissolved	mg/L	16	13%	0.0782	0.176	0.05	0.05	15	0.282	No Trend

Appendix E
Mann-Kendall Trend Test Results
Assessment of Corrective Measures
Dry Run Landfill, Wood County, West Virginia

Period	Location ID	Analyte Seq	Analyte	Units	No. of Detects	Detection Rate	Detected Values		Non-detect Method Detection Limit		Trend Analysis		
							Min	Max	Min	Max	Mann-Kendall S statistic	p-value	Trend Test Result ($\alpha = 1\%$)
Last 5 Years	MW-20B	5	Manganese, Dissolved	mg/L	16	100%	0.0141	0.0361	-	-	20	0.199	No Trend
Last 5 Years	MW-20B	6	Sulfate	mg/L	16	100%	4.06	30.3	-	-	16	0.253	No Trend
Last 5 Years	MW-20B	7	Aluminum, Dissolved	mg/L	16	13%	0.0606	0.196	0.05	0.1	15	0.282	No Trend
Last 5 Years	MW-20B	8	Antimony, Dissolved	mg/L	16	6%	0.000581	0.000581	0.0005	0.0025	0	0.518	No Trend
Last 5 Years	MW-20B	9	Arsenic, Dissolved	mg/L	4	100%	0.0127	0.0164	-	-	-4	0.167	No Trend
Last 5 Years	MW-20B	10	Beryllium, Dissolved	mg/L	16	0%	-	-	0.001	0.002	-	-	-
Last 5 Years	MW-20B	11	Boron, Dissolved	mg/L	16	100%	0.201	0.253	-	-	37	0.058	No Trend
Last 5 Years	MW-20B	12	Cadmium, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-20B	13	Copper, Dissolved	mg/L	16	6%	0.0146	0.0146	0.01	0.01	-13	0.313	No Trend
Last 5 Years	MW-20B	14	Selenium, Dissolved	mg/L	4	50%	0.00807	0.00904	0.0025	0.0025	-5	0.167	No Trend
Last 5 Years	MW-20B	15	Silver, Dissolved	mg/L	16	0%	-	-	0.005	0.005	-	-	-
Last 5 Years	MW-20B	16	Thallium, Dissolved	mg/L	16	13%	0.00021	0.000273	0.0001	0.0001	19	0.225	No Trend
Last 5 Years	MW-20B	17	Chloride	mg/L	16	100%	400	506	-	-	-4	0.447	No Trend
Last 5 Years	MW-20B	18	Ammonia Nitrogen	mg/L	16	94%	0.0745	0.455	0.05	0.05	42	0.032	No Trend
Last 5 Years	MW-20B	19	Nitrate Nitrogen	mg/L	16	94%	0.031	0.461	0.025	0.025	-32	0.083	No Trend
Last 5 Years	MW-20B	20	Nitrite Nitrogen	mg/L	16	13%	0.00531	0.00676	0.005	0.005	-29	0.114	No Trend
Last 5 Years	MW-20B	21	Fluoride	mg/L	16	100%	2.46	3.41	-	-	-6	0.412	No Trend
Last 5 Years	MW-20B	22	APFO	ug/L	16	100%	0.03	0.055	-	-	-67	0.001	Downward

Total No. of Trend Tests: 198

Time Period: 2013 Q1 to 2017 Q4



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Phone: 304-926-0495 / Fax: 304-926-0496

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**ORDER
ISSUED UNDER THE
WATER POLLUTION CONTROL ACT AND
SOLID WASTE MANAGEMENT ACT
WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 11 AND 15**

TO: The Chemours Company FC, LLC
1007 Market Street
Wilmington, DE 19898

ORDER NO.: 10293

DATE: July 29, 2024

INTRODUCTION

The following findings are made, and Order issued to the Chemours Company FC, LLC (herein after “permittee”) pursuant to the authority vested in the Director of the Division of Water and Waste Management under Chapter 22, Article 11 and 15, Section 1 et seq. of the Code of West Virginia.

FINDINGS OF FACT

In support of this Order, the Director finds the following:

1. Chemours Company FC, LLC (permittee) owns and operates a closed Class F industrial solid waste landfill consisting of approximately 18 acres for the disposal of waste materials derived from their Washington Works facility located in Washington, WV, Ravenswood Polymers, and Little Hocking Service Center facilities from 1984 through March 2006 located in the city of Lubeck, Wood County, WV.
2. WV/NPDES Solid Waste Permit No. WV0076244 was reissued December 17, 2015 and modified May 15, 2019 to contain final effluent limitations for PFOA at Outlet 006 of 0.07 ug/l average monthly and 0.48 ug/l maximum daily effective 03/31/2021. The permit exceeded the specified permit limitations on 01/01/2023 and 01/24/2024.

Promoting a healthy environment.

3. Notice of Violation No. W22-54-062302-CAC was issued July 2/2022 by WVDEP Environmental Enforcement for violation of the final effluent limitations for PFOA at Outlet 006.
4. WV Solid Waste / NPDES Permit No. WV0076244 was reissued July 29, 2024. The permit contains final compliance evaluation effluent limitations (CELs) for PFOA at Outlet 006 of 2 ng/l average monthly and 4 ng/l maximum daily. Based on a review of Discharge Monitoring Reports (DMRs), the permittee will not be able to consistently meet the specified effluent limitations at Outlet 006.

ORDER FOR COMPLIANCE

And now, therefore, in accordance with Chapter 22, Article 11, Section 1 et. Seq. of the WV Code, the permittee is hereby ORDERED to do the following:

1. The permittee shall immediately take measures to initiate compliance with all terms and conditions of the permit WV/NPDES Solid Waste Permit No. WV0076244.
2. Final PFOA CELs mean an average monthly limitation of 2 ng/l and a daily maximum limitation of 4 ng/l at Outlet 006. Interim PFOA limitations mean an average monthly limitation of 70 ng/l and a daily maximum limitation of 480 ng/l at Outlet 006 until July 29, 2026. The permittee shall comply with the final PFOA limits as soon as possible but no later than July 29, 2026. The permittee shall use the attached ORDER DMRs.
3. On or before October 29, 2024, the permittee shall submit a plan of action that identifies the courses of action to be taken by the permittee that will result in compliance with the final effluent limitations for PFOA at Outlet 006.
4. On or before January 29, 2025, the permittee shall submit a progress report that identifies the status of the actions taken, as well as actions to be taken, to come into compliance with the final effluent limitations for PFOA at Outlet 006.
5. On or before April 29, 2025, the permittee shall submit a progress report that identifies the status of the actions taken, as well as actions to be taken, to come into compliance with the final effluent limitations for PFOA at Outlet 006.
6. On or before July 29, 2025, the permittee shall complete any studies, complete any designing or engineering, obtain any necessary funding, and commence implementation of any action specified in the latest revision of the plan of action for compliance in order to achieve compliance with the for PFOA at Outlet 006.

The permittee shall also submit a progress report which summarizes actions taken and additional actions to be taken in the future to achieve compliance with the final effluent limitations for PFOA at Outlet 006.

7. On or before October 29, 2025, the permittee shall begin the construction of any upgrades or system modifications necessary to comply with the final effluent limitations for boron and cadmium at Outlet 006.

The permittee shall also submit a progress report which summarizes actions taken and additional actions to be taken in the future to achieve compliance with the final effluent limitations for PFOA at Outlet 006.

8. On or before January 29, 2026, the permittee shall submit a progress report that identifies the status of the actions taken, as well as actions to be taken, to come into compliance with the final effluent limitations for PFOA at Outlet 006.
9. On or before April 29, 2026, the permittee shall submit a progress report that identifies the status of the actions taken, as well as actions to be taken, to come into compliance with the final effluent limitations for PFOA at Outlet 006.
10. On or before July 29, 2026, the permittee shall complete the construction of any necessary upgrades or system modifications and shall comply with the final effluent limitations for PFOA at Outlet 006.

OTHER PROVISIONS

1. Compliance with the terms and conditions of this Order shall not in any way be construed as relieving the permittee of the obligation to comply with any applicable law, permit, other order, or any other requirement otherwise applicable. Violations of the terms and conditions of this Order may subject the permittee to additional enforcement action in accordance with the applicable law.
2. The provisions of this Order are severable, and should a court or board of competent jurisdiction declare any provisions of this Order to be invalid or unenforceable, all other provisions shall remain in full force and effect.
3. This Order is binding on the permittee, its successors and assigns.
4. This Order shall terminate upon the permittee's notification of full compliance with the "Order for Compliance" and verification of this notification by WVDEP.

RIGHT OF APPEAL

Notice is hereby given of your right to appeal the terms and conditions of this Order which you are aggrieved to the Environmental Quality Board by filing a NOTICE of APPEAL on the form prescribed by such Board, in accordance with the provisions of Section 21, Article

11 and 15, Chapter 22 of the Code of West Virginia within thirty (30) days after receipt of this Order.

This Order shall become effective upon receipt.

Jeremy W. Bandy, Director
Division of Water and Waste Management

JWB/jl

cc: Env. Insp. Supervisor



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Phone: 304-926-0495 / Fax: 304-926-0496

Harold D. Ward, Cabinet Secretary
dep.wv.gov

July 29, 2024

Mr. Bradley Nave
The Chemours Company FC, LLC
P.O. Box 2047
1007 Market Street
Wilmington, DE 19898

CERTIFIED RETURN RECEIPT REQUESTED

Re: WV/NPDES Solid Waste Permit No. WV0076244
Administrative Order No. 10293

Dear Mr. Nave:

Enclosed is ADMINISTRATIVE ORDER NUMBER 10293 dated 07/29/2024. This action is based upon the investigation and recommendation of the West Virginia Department of Environmental Protection's (WVDEP) Permitting Program staff to address compliance with the terms and conditions of WV/NPDES Solid Waste Permit No. WV0076244.

Please review the terms and conditions of this Administrative Order carefully. Failure to comply with its terms and conditions could subject the facility to further enforcement action. If you wish to discuss this Administrative Order further or its terms and conditions, please contact Christina Facemyer of my staff at the above address or call (304) 926-0495 Ext. 43845.

Sincerely,

Jeremy W Bandy
Director

JWB:jl
Enclosure

cc: Env. Inspector Supervisor



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER AND WASTE MANAGEMENT
 601 57TH STREET SE
 CHARLESTON, WV 25304-2345

SOLID WASTE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 WATER POLLUTION CONTROL PERMIT

NPDES PERMIT NO.: WV0076244

SUBJECT: Solid Industrial Waste

ISSUE DATE:

EFFECTIVE DATE :

EXPIRATION DATE:

SUPERSEDES: Permit No. WV0076244
 dated December 17, 2015

LOCATION: LUBECK
 (City)

Wood
 (County)

Middle Ohio River 2
 (Drainage Basin)

See the next page for a list of Outlets.

TO WHOM IT MAY CONCERN:

This is to certify that: THE CHEMOURS COMPANY FC, LLC
 1007 MARKET ST.
 PO BOX 2047
 WILMINGTON, DE 19898

is hereby granted a West Virginia NPDES Water Pollution Control Permit to:

Maintain and monitor a closed Class F industrial solid waste landfill (Dry Run Landfill) and best management practices in the drainage basin of Dry Run, a tributary of the North Fork of Lee Creek, a tributary of the Ohio River, utilized for the disposal of non-hazardous waste materials generated at E.I. DuPont, Inc. Washington Works, Ravenswood Polymers, and Little Hocking Service Center facilities.

Operate and maintain a treatment and disposal system for the direct discharge of treated stormwater runoff and other wastes (leachate, groundwater seeps) via Outlet 006 into Dry Run of North Fork of Lee Creek, a tributary of the Ohio River approximately 1.7 miles from its mouth.

Operate and maintain a disposal system and best management practices for the direct discharge of untreated stormwater runoff via Outlets 003 and 004 into the waters of Dry Run, a tributary of the North Fork of Lee Creek, a tributary of the Ohio River approximately 1.8 miles from its mouth.

This permit is subject to the following terms and conditions :

The information submitted on and with Permit Application No. WV0076244 dated the 16th day of June 2020, the additional information submitted on February 11, 2021 are all here by made terms and conditions of this Permit with like effect as if all such permit application information were set forth herein, and other conditions set forth in Sections A, B, C, and D, and Appendix A.

The validity of this permit is contingent upon the payment of the applicable annual permit fee, as required by Chapter 22, Article 11, Section 10 of the Code of West Virginia.

Inspectable Unit	Latitude	Longitude	Receiving Stream	Dist. to Stream Mouth (in Mile)	Milepost
003	39°10'58"	81°41'12"	DRY RN	1.8	N/A
004	39°11'02"	81°41'15"	DRY RN	1.8	N/A
006	39°11'02"	81°41'15"	DRY RN	1.7	N/A
LM1	39°11'02"	81°41'15"	N/A	N/A	N/A
LM2	39°11'02"	81°41'15"	N/A	N/A	N/A
MW-12	39°11'08"	81°41'11"	N/A	N/A	N/A
MW-12A	39°11'08"	81°41'11"	N/A	N/A	N/A
MW-12B	39°11'08"	81°41'11"	N/A	N/A	N/A
MW-13	39°11'03"	81°41'17"	N/A	N/A	N/A
MW-13A	39°11'03"	81°41'17"	N/A	N/A	N/A
MW-14	39°10'51"	81°40'55"	N/A	N/A	N/A
MW-15	39°11'00"	81°41'15"	N/A	N/A	N/A
MW-16B	39°11'05"	81°34'32"	N/A	N/A	N/A
MW-17B	39°11'01"	81°34'30"	N/A	N/A	N/A
MW-18B	39°10'57"	81°34'20"	N/A	N/A	N/A
MW-19B	39°11'05"	81°34'17"	N/A	N/A	N/A
MW-20B	39°11'08"	81°34'20"	N/A	N/A	N/A
MW-21A	39°11'14"	81°34'43"	N/A	N/A	N/A
MW-6A	39°10'58"	81°41'16"	N/A	N/A	N/A

A.003 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 003 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/6 months	Estimated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 003, within the northern diversion channel appx. 20' upstream of the 32" diameter corrugated metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.003 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 003 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
78141 - (Total Toxic Organics (TTO)) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/year	Grab
51065 - (PFOA) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6.77 Max. Daily	ug/l	1/6 months	Grab
See Condition C.29									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 003, within the northern diversion channel appx. 20' upstream of the 32" diameter corrugated metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.004 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 004 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/6 months	Estimated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 004, discharge from the southern diversion channel, a 20" metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.004 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 004 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
78141 - (Total Toxic Organics (TTO)) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/year	Grab
51065 - (PFOA) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1.55 Max. Daily	ug/l	1/6 months	Grab
See Condition C.29									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 004, discharge from the southern diversion channel, a 20" metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/quarter	Estimated
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	5.5 Avg. Monthly	6.4 Max. Daily	mg/l	1/quarter	Grab
00400 - (pH) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	6 Inst. Min.	N/A	9 Inst. Max.	S.U.	1/month	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01114 - (Lead, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00951 - (Fluoride, Total) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
61426 - (Chronic Tox-Ceriodaphnia Dul) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	TUc	1/year	24 hr Composite
61428 - (Chronic Toxicity - Pimephales) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	TUc	1/year	24 hr Composite
00981 - (Selenium, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
00978 - (Arsenic, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
82057 - (Boron, Total) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/quarter	Grab
11123 - (Total Recov. Manganese) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
81020 - (Sulfate) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
51065 - (PFOA) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	0.004 Avg. Monthly	0.014 Max. Daily	NG/L	1/month	Grab

See Section C.29

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>			
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
79778 - (Cresol) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/6 months	Estimated
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00530 - (Total Suspended Solids) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00900 - (Hardness, Total (as CaCO3)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01055 - (Manganese, Total (as Mn)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01042 - (Copper, Total (as Cu)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01105 - (Aluminum, Total (as Al)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
34030 - (Benzene) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01077 - (Silver, Total (as Ag)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
85811 - (Chloroethane) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00929 - (Sodium, Total (as Na)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>	<u>Frequency</u>			
34010 - (Toluene) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
82057 - (Boron, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00720 - (Cyanide, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
01092 - (Zinc, Total (as Zn)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
34043 - (Phenolics, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00916 - (Calcium, Total (as Ca)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01045 - (Iron, Total (as Fe)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01067 - (Nickel, Total (as Ni)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01087 - (Vanadium, Total (as V)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>					
81017 - (Chem. Oxygen Demand) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00927 - (Magnesium, Tot (as Mg)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00937 - (Potassium, Total (as K)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
71880 - (Formaldehyde) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
See Section C.29									
01152 - (Total Titanium (as Ti)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>						<u>Monitoring Requirements</u>		
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
79778 - (Cresol) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM2 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee is authorized to discharge from Outlet Number(s) LM2 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
51065 - (PFOA) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
See Section C.29									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM2, influent to the granular activated carbon units depicted on September 30, 2005 drawing entitled "Proposed Flow Schematic"

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4476 Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	7480 Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>					
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.222 Max. Daily	mg/l	1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4476 Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	7480 Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01087 - (Vanadium, Total (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01087 - (Vanadium, Total (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4476 Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>					
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	7480 Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1 Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
See Section D.2.c								
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.217 Max. Daily	mg/l	1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	16.9 Max. Daily	mg/l	1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l	1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	2 Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.118 Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.015 Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Winter Dec 1-Feb 28) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	28.1 Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	2 Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>					
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning {Effective Date of Permit} and lasting through midnight {Expiration Date of Permit} the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the provisions for waste treatment and the monitoring requirements specified in the permit in accordance with the following schedule :

06 months
after Issuance:

The permittee shall develop a groundwater to surface water discharge value protective of the narrative human health water criteria per 47 CSR 2 based on EPA's Human Health Advisory value (2022, 0.004 ppt) for PFOA and arsenic (47 CSR 2 Category A, 0.01 mg/l) to compare to the groundwater protection standard(s) listed in SEction D.2.c. Should the calculated protection value be less than the groundwater standard listed above the permittee shall modify the permit to incorporate the new standard.

06 months
after Issuance:

The permittee shall submit a copy of the property deed restrictions as referenced in Section 5.0 (Conceptual Exposure Model) of the Assessment of Corrective Measures at Dry Run Landfill (AECOM, 2018).

06 months
after Issuance:

The permittee shall establish backgrounds for statistical comparison for bis(2-ethylhexyl) phthalate, selenium, cresol, and lead for all monitoring wells. Background shall be established per 33 CSR 1, Section 4.11.a.4.

The permittee shall establish/revise groundwater standards for the parameters in Section D.2.b (where not already established) based on the newly established backgrounds required above. The groundwater standards shall consider maximum contaminant levels (MCLs) and the established backgrounds required above. Should any revised standard be more stringent than those established in this permit, the permittee shall submit the revision per a major permit modification application for incorporation into the permit.

06 months
after Issuance:

The permittee shall must discuss the results of the corrective measures assessment in a public meeting with interested and affected parties and provide proof of notification of all persons who own the land or reside on the land that directly overlies any part of the plume of contamination if contaminants have migrated off-site if indicated by sampling of wells in accordance with paragraph 4.11.c.7. The results of the public hearing and all written responses to concerns raised in the hearing (or a responsiveness summary) shall be submitted to the agency within 30 days of the public hearing.

2. Reports of compliance or non-compliance with, and progress reports on interim and final requirements contained in the above compliance schedule, if any, shall be postmarked no later than 14 days following each schedule date.

Section C - Other Requirements

1. As of the closure date identified in Section C.26, no future disposal of solid waste at the Dry Run Landfill facility is permitted.
2. The following storm water requirements apply to Outlets 003 and 004:

- a. Samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Samples shall be taken during the first thirty (30) minutes, or as soon thereafter as practicable, of the storm event.

b.

Pollutant	Benchmark Value
Chemical Oxygen Demand	120 mg/L
Total Suspended Solids	100 mg/L
Nitrate	10 mg/L
Total Recoverable Aluminum	0.75 mg/L
Total Recoverable Iron	1.5 mg/L
Total Recoverable Zinc	0.117 mg/L
Fluoride	1.8 mg/L
PFOA	0.094 mg/l (EPA, 2022)
Total Toxic Organics (TTO)	2 mg/l
pH	6.0 to 9.0 S.U.

- c. When the concentration results from a minimum of four consecutive samples of a pollutant are all less than the corresponding benchmark value for the pollutant, additional monitoring for the pollutant is not required (this waiver does not apply to monitoring for PFOA). The facility shall submit, each year, to the Division of Water and Waste Management, in lieu of the monitoring data, a certification (form will be provided upon request) that there has not been a significant change in the industrial activity or the pollution prevention measures in the area of the facility that drains to the outlet for which sampling is to be waived. If the concentration of a pollutant exceeds the corresponding benchmark concentration or a pH value is not within the range of 6.0 to 9.0 S.U., monitoring shall be continued and storm water pollution prevention practices shall be revised and implemented. A letter stating the revised and implemented storm water pollution prevention practices shall be submitted to the Division of Water and Waste Management at the address listed in Section C.07.

A waiver may not be claimed for constituents that do not have a benchmark defined in Section C.2.b. or constituents in Section A that have been assigned effluent limitations.

3. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the permit may be promptly modified and/or reissued to include effluent limitations and/or other requirements to control such storm water discharges.
4. The permittee shall maintain a copy of the Operating Record. It shall be available for review by representative(s) of the Director of the Division of Water and Waste Management at the premises or at the operator's office.
5. The following activities are prohibited unless specifically approved by permit modification:
 - a. Use of the facility for agricultural purposes, or
 - b. Establishment or construction of any buildings.
 - c. Excavation of the final cover or any waste materials.
6. The permittee shall submit each month according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration and/or quantities the values of the constituents listed in Section A analytically determined to be in the plant effluent(s). Additional information pertaining to effluent monitoring and reporting can be found in Section III of Appendix A.

Section C - Other Requirements

7. The required DMRs shall be received by the agency no later than 25 days following the end of the reporting period in accordance with the following requirements. The agency is now requiring the permittee to utilize our electronic discharge monitoring report (eDMR) system which is now mandatory. The permittee is not required to submit hard copies of the DMRs to the addresses listed below when using eDMR. Special circumstances may result in the agency granting an exemption to eDMR and are considered on case by case basis. If the permittee was exempted by the agency from using the eDMR system, then the permittee is required to send hard copies to the addresses below. The permittee may contact the agency for more information about the eDMR system and potential exemptions from using it. Regardless, in accordance with Appendix A, Section III.6 of this permit, the permittee shall maintain copies of DMRs (either hard copies or electronic copies) at the facility and the DMRs shall be made readily available upon request for DEP personnel.

Director
Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
Attn: Christina Facemyer

Department of Environmental Protection
Environmental Enforcement
601 57th Street, SE
Charleston, WV 25304

8. Any "not detected (ND)" results by the permittee must be "ND" at the method detection limit (MDL) for the test method used for that parameter and must be reported as less than the MDL used. The permittee may not report the result as zero, "ND", or report the result as less than a minimum level (ML), reporting limit (RL), or practical quantitation limit (PQL).

When averaging values of analytical results for DMR reporting purposes for monthly averages, the permittee should use actual analytical results when these results are greater than or equal to the MDL and should use zero (0) when these results are less than the MDL. If all analytical results are non-detect at the MDL (<MDL), then the permittee should use the actual MDL in the calculation for averaging and report the result as less than the average calculation.

9. In incidences where a specific test method is not defined, the permittee shall utilize an EPA approved method with a method detection limit (MDL) sensitive enough to confirm compliance with the permit effluent limit for that parameter. If a MDL is not sensitive enough to confirm compliance, the most sensitive approved method must be used. If a more sensitive EPA approved method becomes available, that method shall be used. Should the current and/or new method not be sensitive enough to confirm compliance with the permitted effluent limit, analytical results reported as "not detected" at the MDL of the most sensitive method available will be deemed compliant for purposes of permit compliance. Results shall be reported on the Discharge Monitoring Reports as a numeric value less than the MDL.
10. The permittee shall not use alternate DMRs without prior approval from this Agency.
11. Effluent monitoring for the following pollutants shall be conducted using the most sensitive methods and detection levels commercially available and economically feasible. The following methods are to be used unless the permittee desires to use a 40 CFR 136, EPA Approved Test Method with an equivalent or more sensitive method detection level. Regardless, it is recognized that detection levels can vary from analysis to analysis and that non-detect results at a equivalent MDL for the specified test method would not constitute a permit violation.

Section C - Other Requirements

11. Parameter	EPA Method No.	Method Detection Level (ug/l)
Bis(2-ethylhexyl)phthalate	525.2	0.46
Selenium	200.9	0.6
Arsenic	200.8	1.4
Iron, Total Recoverable	200.8	3
Lead, Total Recoverable	200.8	0.6
Total Toxic Organics (TTO)*	624.1/625.1	multiple
PFOA/PFAS	**	**

* Total Toxic Organics shall be reported as the sum of the results for analytes listed in 47 CSR 10 Appendix C, Table II less pesticides in Section A. The permittee shall attach the analytical laboratory report to the eDMR for any respective compliance period in which a positive analytical result is detected of any of the individual analytes (i.e. above the method detection limit).

** See Section C.29

12. Annual report. An annual report is to be submitted for the previous calendar year to the Electronic Submission System no later than January 31 of the following year and shall include the following information:
 - a. Summary in table format of the previous year's monitoring activities required by Sections A.003, A.004, A.006, A.LM1, A.LM2, A.MW-6A, A.MW-12, A.MW-12A, A.MW-12B, A.MW-13, A.MW-13A, A.MW-14, A.MW-15, A.MW-16B, A.MW-17B, A.MW-18B, A.MW-19B, A.MW-20B and A.MW-21B
 - b. A brief narrative describing the status of development; construction, maintenance, and closure of all facilities as part of the approved solid waste facility;
 - c. Any annual certification report(s) per Condition C.2.c; and
 - d. Groundwater flow rate and direction required by Condition D.1.d.
 - e. Isocontour maps for PFOA, arsenic, sulfate, boron, and ammonia.
13. All required reports shall be submitted via the Electronic Submission System (ESS). Any letters not applicable to the ESS shall be addressed to:

Director
 Div. of Water and Waste Management
 601 57th Street
 Charleston, WV 25304
 Attn: Christina Facemyer
14. The permittee shall implement and maintain the storm water pollution prevention plan (SWPPP) for the facility. The SWPPP shall be prepared in accordance with good engineering practices. The SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with the industrial activity. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with the industrial activity at the facility and to assure compliance with the terms and conditions of this permit. A copy of this document shall be retained at the site for review upon request.
15. The permittee shall maintain and implement the groundwater protection plan (GPP) to protect the groundwater resources from any potential contamination as required by 47 CSR 58-4.11 and 4.12. The GPP shall be maintained at the facility and shall be available for inspection by the Division of Water and Waste Management personnel.
16. The permittee shall monthly examine the finished surfaces of the landfill for 1) evidence of cracking or erosion which could allow waters to enter solid waste deposits and 2) evidence of settling of solid waste causing ponding of surface water. Finished surfaces which have cracked, eroded, or settled shall be repaired by any necessary regrading, additions of cover material, and revegetation activities.
17. The permittee shall inspect prior to the spring and fall planting seasons the vegetative cover of the intermediate and finished surfaces of the landfill and the storm water basin embankment. Areas that are deficient of vegetative cover shall be reseeded to establish a satisfactory stand of vegetation. Areas are considered to be deficient of vegetation if a 90% cover of perennial grasses or legumes has not been established.

Section C - Other Requirements

18. Appendix A of this permit and shall be retained as part of the operating record for this facility. Plans shall provide for compliance with the terms and conditions of this permit.
19. The permittee shall mow the landfill surface and the embankment of the Storm Water Management Detention Basin at a frequency which prevents the establishment of trees and shrubs.
20. Materials derived from the clean out of Storm Water Management Detention Basin, the clean out of all ditches and the operation of the leachate collection and treatment system depicted on drawings submitted with Permit Application No. WV0076244, shall be characterized and properly disposed of.
21. The permittee shall annually utilizing a water jet cleanout device or equivalent clean the piping of the leachate collection system.
22. The permittee shall routinely examine fluid levels within the leachate detection sump indicated on Drawing Sheet No. 24 of Application No. WV0076244. Fluids shall be evacuated from the sump before it becomes filled to capacity and shall be sent to the leachate collection tank. The permittee shall document each evacuation by date and quantity.
23. The permittee shall annually perform chronic toxicity tests, as described below, on the effluent from Outlet 006:
 - a. Such testing will determine if an appropriate dilute effluent sample affects the survival or reproduction of the test species. All tests shall be conducted on 24-hour composite samples. An appropriate statistical test shall be used to determine whether differences in control and effluent data are significant.
 - (1) The permittee shall conduct a three brood (6-8 days) Ceriodaphnia survival and reproduction toxicity test on the final effluent diluted by appropriate control water. Toxicity will be demonstrated if there is a statistically significant difference at the 95 percent confident level in survival or reproduction between Ceriodaphnia exposed to an appropriate control water and the final effluent. All test solutions shall be renewed using an approved renewal schedule. If, in any control, more than 20% of the test organisms die, or less than 60% of surviving females in controls produced their third brood, that test shall be repeated.
 - (2) The permittee shall conduct a 7-day fathead minnow larval survival and growth toxicity test on the final effluent diluted by appropriate control water. Toxicity will be demonstrated if there is a statistically significant difference at the 95 percent confidence level in survival or growth between fathead minnows exposed to an appropriate control water and the final effluent. All test solutions shall be renewed using an approved renewal schedule. If, in any control, more than 20% of the test organisms die, or average dry weight of surviving controls was less than 0.25 mg, that test shall be repeated.
 - b. Results shall be reported in terms of chronic toxic units (TU_c) according to the reporting requirements outlined in the test procedure approved under 40 CFR Part 136 and shall be submitted with the corresponding monthly Discharge Monitoring Report (DMR).

$TU_c = 100/NOEC$ or $NOEL$

Where NOEC (or NOEL) is No Observed Effect Concentration (or Level), which is expressed as percent (volume) effluent in dilution water.

For Example, if NOEC is 10%, $TU_c = 100/10 = 10$

- c. All test species, procedures, and quality assurance criteria used shall be in accordance with the test procedure approved under 40 CFR Part 136.
- d. First test shall be carried out within three months of the effective date of the permit.
- e. If the results of two consecutive tests exceeds 1.0 TU_c, the permittee shall carry out toxicity evaluation and reduction studies within 18 months from the receipt of results of the second toxicity test. The permittee shall submit a report summarizing findings of these studies within 90 days from completion of the studies. If necessary, within six months from completion of these studies, the permittee shall submit a permit modification with corrective measures and an implementation plan to the agency. Upon issuance of the permit modification, the permittee shall undertake corrective measures.

Section C - Other Requirements

24. All leachate which discharges from the leachate collection systems depicted on Drawing No. 11 of Application No. WV0076244 entitled "Dry Run Landfill, Leachate Collection System, Proposed Plan." is to be collected and transported to WV/NPDES Individual Permit No. WV0001279 (Chemours Washington Works) for treatment and disposal. As an alternative, the permittee may elect to direct leachate to the on-site treatment system depicted on drawings submitted with letter dated January 17, 2006 provided that the treatment and discharge will not cause exceedence of the effluent limitations referenced in Section A.006.

If for any reason the above referenced facilities can no longer accept the leachate, the permittee shall notify the Director of the Division of Water and Waste Management with the name and location of an alternative site of disposal within fifteen (15) calendar days. A plan for the permanent collection, disposal, and treatment of the leachate shall be submitted within thirty (30) days.

If the plan includes disposal at a Publicly Owned Treatment Works (POTW), the permittee shall provide documentation that an industrial user application has been submitted by the permittee to the new receiving facility's NPDES Permit. Upon regulatory approval of the acceptance, the permittee shall incorporate the change into this permit via a minor permit modification application within sixty (60) days of approval.

If the permittee intends to discharge directly to Waters of the State without treatment, the permittee shall apply for a major modification to this permit.

If the disposal will ultimately be performed at a facility of type not listed above (i.e., industrial NPDES facility, hazardous waste management facility, etc.) the permittee shall provide documentation of the approval of acceptance of the leachate by the receiving facility within the thirty (30) day notification.

25. This permit does not authorize the direct discharge of untreated or partially treated leachate or "other" wastewaters via the "emergency spillway" (formerly Outlet 007) at the Outlet 006 Sedimentation Pond. Any such discharge (or overflow) may potentially be considered a "bypass" and may be reported to the WV Emergency Spill Hotline as required in Appendix A, Section II.3 as applicable. However, please note that based on Appendix A.II.3.d.B, a "bypass" is only permissible when there are no feasible alternatives to the "bypass", such as auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. A "bypass" is not permissible if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent the "bypass". The permittee may only allow an unanticipated "bypass" to occur and not provide immediate notice as required by Appendix A.IV.2.b if essential maintenance to assure efficient operation is being performed. Routine discharges that are not for essential maintenance to assure efficient operation of the treatment works require the permittee to modify this permit to impose the appropriate permit requirements and effluent limitations which would make the overflow events permissible.

26. The approved final closure dates (i.e. for the purposes of post closure care) for the landfill covered by this permit is

- a. Dry Run Landfill - 12/14/2007* (12/14/2037**)

* Documentation of an agency approved closure date could not be located in the agency's site file. A Registered PE certified that the landfill had been closed in accordance with the approved closure plan on 12/14/2007. Should the permittee locate documentation of the official agency approved date of closure of Dry Run Landfill, the permittee may submit a major modification application to revise the above referenced date.

** The length of post-closure care may decreased if the permittee demonstrates a reduced period is sufficient to protect human health and the environment or increased if the agency determines that a lengthened period is necessary to protect human health and the environment.

27. The permittee may submit a major permit modification application or a formal request for termination / revocation of the permit (as applicable) for removal of a landfill from the permit that has completed post closure care. At a minimum, the request shall include:

- a. A notification verifying that post-closure care has been completed in accordance with this permit and 33 CSR 1 signed by an independent registered professional engineer.

Section C - Other Requirements

- 27. b. A post closure care inspection report from Environmental Enforcement that indicates that no further remedial action or other activity is necessary to continue compliance with the Solid Management Act and the facility is not causing or could cause, in the future, any adverse effects on the environment, and/or causing a nuisance.
- c. A groundwater evaluation report comparing upgradient and downgradient concentrations, during post-closure care, of any Constituent of Concern (COC) developed by the agency or the permittee based on the materials disposed in the respective landfill and all parameters listed in Section A of the permit.

A one time evaluation shall also be performed for all parameters listed in 33 CSR 1 Appendix I. For any parameter in downgradient monitoring wells detected above the value in corresponding upgradient monitoring wells that can be attributed to impacts from the landfill, a plan of action shall be submitted to investigate and mitigate / remediate (as necessary) prior to the agency's decision on termination of the permit. The plan of action shall also include evaluation of all parameters in 33 CSR 1 Appendix II that have a reasonable expectation of being present based on the COC list of disposed materials in the landfill.

- d. If wastes contained in the landfill have not degraded to a point where a release could occur due to failure of engineering controls or degradation of landfill components (which have a finite life span), the permittee shall submit a long-term stewardship plan to prevent unacceptable exposure to solid waste or a release of solid waste at the post-closure care unit once the permit is terminated.
 - e. A copy of the deed notation required by 33 CSR 1 - 6.2.f.
 - f. A plan to abandon groundwater monitoring wells on site compliant with 47CSR60 Section 19.
28. Any destructive animal activity found that impacts the final cover material integrity shall be fixed with any regrading, refilling of animal burrowing, additions of cover material, and re-vegetative activities as necessary.
29. The permittee shall sample Outfalls 003, 004, 006, LM1, and LM2 and groundwater monitoring wells MW-12, MW-12A, MW-12B, MW-13, MW-13A, MW-14, MW-15, MW-16B, MW-17B, MW-18B, MW-19B, MW-20B, MW-21A, and MW-6A for the PFAS compounds listed below using the latest revision to EPA Methods 533, 537.1, draft method 1633, and/or 8327 (for wastewater) and SW-846 Method 8327 using quality control as specified by 40 CFR 136.7 (for groundwater). The permittee may use another EPA approved test method as, or more, sensitive from a West Virginia Certified Laboratory upon approval by the EPA of such method for compliance purposes.

Sampling is only required for the compound analytes identified in the test methods noted above. Sampling shall commence for any other compound analytes if they become available in the future in EPA approved test methods. Should EPA promulgate a wastewater test method in 40 CFR 136, the permittee shall immediately begin using the specified method for all future analysis associated with this permit.

Such sampling shall be conducted quarterly at Outlet 006 and shall be conducted semi-annually at Outlets 003 and 004. Quarterly monitoring periods for are Jan-Mar, Apr-Jun, Jul-Sep, and Oct-Dec and semi-annual monitoring periods are Feb-Jul and Aug-Jan. There shall be a minimum of four months between required semi-annual monitoring periods. Quarterly analytical results shall be attached to the March, June, September, and December eDMRs and semi-annual analytical results shall be attached to the January and July eDMRs. Results shall be summarized by outfall, parameter, and sample date. Lab analysis sheets shall also be attached to the summarized results.

Such sampling shall be conducted for groundwater semi-annually per the groundwater monitoring program already established by this permit and included in the required semi-annual groundwater monitoring report.

Section C - Other Requirements

29. a. Parameter	Acronym	CasRN
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTA	376-06-7
Perfluorobutanesulfonic acid	PFBS	375-73-5
Perfluoropentanesulfonic acid	PFPeS	2706-91-4
Perfluorohexanesulfonic acid	PFHxS	355-46-4
Perfluoroheptanesulfonic acid	PFHpS	375-92-8
Perfluorooctanesulfonic acid	PFOS	1763-23-1
Perfluorononanesulfonic acid	PFNS	68259-12-1
Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluorododecanesulfonic acid	PFDoS	79780-39-5
4:2 fluorotelomersulfonic acid	4:2 FTS	757124-72-4
6:2 fluorotelomersulfonic acid	6:2 FTS	27619-97-2
8:2 fluorotelomersulfonic acid	8:2 FTS	39108-34-4
N-Methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
N-Ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
Perfluorooctanesulfonamide	PFOSA	754-91-6
N-Methylperfluorooctanesulfonamide	NMeFOSA	31506-32-8
N-Ethylperfluorooctanesulfonamide	NEtFOSA	4151-50-2
N-Methylperfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7
N-Ethylperfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2
Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
4,8-dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUds	763051-92-9
2H, 2H, 3H, 3H-perfluorohexanoic acid	3:3 FTCA	356-02-5
2H, 2H, 3H, 3H-perfluorooctanoic acid	5:3 FTCA	914637-49-3
2H, 2H, 3H, 3H-perfluorodecanoic acid	7:3 FTCA	812-70-4
Perfluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	113507-82-7
Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5

Section D - Groundwater Monitoring

1. Monitoring Well Reporting

- a. The permittee shall submit as required by Condition C.12.a. Monitoring Well Reports indicating in terms of concentration the values of the constituents listed. At least one hundred twenty (120) days shall transpire between sampling events. If concentration levels are found to be below method detection limits, so note and report the specific method detection limit.
- b. Water levels shall be obtained prior to pumping or sampling using the wetted tape method or an electronic detector.
- c. Stagnant water shall be removed from the well bore prior to sampling so that a representative sample may be obtained. Stagnant water shall be removed at a rate that is no greater than the recovery rate of the well. The water shall be removed from the well bore until a constant (10% over two consecutive measurements) water temperature, pH and Specific Conductance is achieved, unless the well evacuates to dryness. In such cases, the well should be evacuated to dryness once. Upon sufficient recovery, the first sample shall be collected and tested for Temperature, pH, and Specific Conductance. The well shall be re-tested for pH, Temperature, and Specific Conductance after sampling as a measure of purging efficiency and as a check on the stability of the water samples over time. Values for pH, Temperature, and Specific Conductance obtained during purging shall be retained as stated in Section III.6 of Appendix A.
- d. The permittee shall annually determine the groundwater flow rate and direction in the uppermost significant aquifer with the results of the determination being submitted with the annual report required by Condition C.12.
- e. The permittee shall establish background groundwater quality for each of the monitoring parameters or constituents required Section A. The minimum number of samples used to establish background groundwater quality must be consistent with appropriate statistical procedures described in this Section.
- f. The permittee shall determine whether there is a statistically significant increase over background levels for each parameter listed in Sections A of this permit less pH, Total Suspended Solids, Specific Conductance and Temperature. To determine such, the permittee shall compare groundwater quality in wells MW-12, MW-12A, MW-12B, MW-13, MW-13A, MW-15, MW-16B, MW-17B, MW-19B, MW-20B, MW-21A, and MW-6A via intrawell comparison. Said statistical determinations shall be submitted concurrently with the Monitoring Well Report. If the permittee determines that there is a statistically significant increase over background for any parameter listed in Section A of this permit less pH, Total Suspended Solids, Specific Conductance, and Temperature, the permittee shall indicate concurrent with the submission of the Monitoring Well Report which parameters have shown the statistically significant increase and comply with the requirements of Section 4.11.b.4 of 33CSR1, Solid Waste Management Rule.
- g. The permittee must employ one of the following statistical procedures in combination with the appropriate sampling requirements to determine a statistically significant increase:
 - (1) A parametric analysis of variance (ANOVA) followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The procedure must include estimation and testing of the contrasts between each down gradient well's mean and the background mean level for each constituent;
 - (2) An analysis of variance based on ranks followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The procedure must include estimation and testing of the contrasts between each down gradient well's mean and the background mean level for each constituent;
 - (3) Tolerance or prediction interval procedure in which a tolerance interval for each constituent is established from the distribution of the background data, and the level of each constituent is established from the distribution of the background data, and the level of each constituent in each down gradient well is compared to the upper tolerance or prediction limit; or
 - (4) A control chart approach that gives control limits for each constituent.
- h. The Director may establish an alternative sampling procedure and statistical test for any of the constituents listed in the permit, as required to protect human health and the environment.

Section D - Groundwater Monitoring

1.
 - i. If there is a statistically significant increase over background concentrations for any groundwater parameter listed in Section A, less pH, Total Suspended Solids, Specific Conductance, and Temperature, the permittee must do the following:
 - (1) Within fourteen (14) days, place a notice in the operating record indicating which constituents have shown statistically significant changes from background levels and notify the Secretary that this notice was placed in the operating record.
 - (2) Within a thirty (30) day period of said finding, the permittee shall repeat the sampling of the groundwater in the appropriate monitoring well(s) in accordance with the requirements of this permit.
 - (3) If the repeat sampling indicates that there is not a statistically significant increase over the background for the respective pollutant, the permittee shall continue sampling as required by this permit.
 - (4) If the repeat sampling confirms that a statistically significant increase over background levels has occurred, the permittee must establish and implement a Phase II assessment monitoring program meeting the requirements of 33 CSR 1, Section 4.11.c within ninety (90) days of said confirmation.
 - (5) If the concentrations of all Phase II constituents are shown to be at or below background values, using the statistical procedures described above for two consecutive sampling events, the permittee must notify the Secretary of this finding and may return to Phase I detection monitoring.
 - (6) If the concentrations of any Phase II constituents are above background values, but all concentrations are below the groundwater protection standards, using the statistical procedures described above, the permittee must continue assessment monitoring in accordance with Phase II requirements.
 - j. The permittee shall not cause a statistically significant increase over the limitations (groundwater standards) found in Section A for the monitoring wells listed in Section D.2.b. Should a limitation be exceeded, the permittee shall provide the following:
 - (1) Within ninety (90) days of a finding that any of the constituents listed in the permit have been detected at a statistically significant level exceeding the groundwater protection standards, the permittee must initiate an assessment of corrective measures in accordance with 33 CSR 1, Section 4.11.e.
 - (2) Based on the results of the corrective measures assessment conducted pursuant to 33 CSR 1, Section 4.11.e, the permittee must select a remedy that, at a minimum, meets the standards listed in 33 CSR 1, Sections 4.11.f.2 and 4.11.f.3. The permittee must notify the Secretary, within fourteen (14) days of selecting a remedy, by sending him or her a report describing the selected remedy, stating that it has been placed in the operating record, and describing how it meets the standards in 33 CSR 1, Sections 4.11.f.2 and 4.11.f.3. Further, the permittee shall specify as part of the selected remedy a schedule(s) for initiating and completing remedial activities in accordance with 33 CSR 1, Section 4.11.f.4.
 - (3) The Secretary may determine that remediation of a Phase II constituent is not necessary if the permittee can successfully demonstrate to the Secretary conditions found in 33 CSR 1, Section 4.11.f.5. However, any determination by the Secretary pursuant to 33 CSR 1, Section 4.11.f.5 cannot affect the authority of the state to require the permittee to undertake source control measures or other measures that may be necessary to eliminate or minimize further releases to the groundwater, to prevent exposure to the groundwater, or to remediate the groundwater to concentrations that are technically practicable and significantly reduce threats to human health or the environment.
 - (4) In accordance with 33 CSR 1, Section 4.11.g, the permittee shall implement the corrective action program based on the schedule required by 33 CSR 1, Sections 4.11.f.4 and 4.11.g.
2. Based on a review of the historic Groundwater Monitoring Program at the site, the following monitoring wells / parameters shall be monitored under the following Phase per 33 CSR 1, Section 4.11:

Section D - Groundwater Monitoring

2. a. DETECTION PROGRAM - PHASE I

Per 33 CSR 1, Section 4.11.b.4 the permittee shall comply with Section D.1.i upon an exceedence of the respective background in each respective monitoring well. Upon moving a Phase I parameter to Phase II parameter the permittee shall submit a major permit modification to revise Section D of the permit.

- (1) The following wells shall be evaluated via intrawell statistics for all parameters in Section A not listed in Section D.2.b:

MW-12, MW-13, MW-15, MW-16B, MW-17B, MW-19B, MW-20B, MW-12B, MW-12B, MW-13A, MW-21A, and MW-6A

- (2) The following wells shall be evaluated via interwell statistics for all parameters in Section A not listed in Section D.2.b:

N/A

b. ASSESSMENT PROGRAM - PHASE II

Per 33 CSR 1, Section 4.11.c.8.B limitations (groundwater standards) have been established in Section A. The permittee shall continue to monitor these wells under a Phase II program. Upon two successive exceedences of a respective limitation in Section A the permittee shall comply with Section D.1.j.

Monitoring Well	Parameter	Background (mg/l)	MCL / PAL (mg/l)
MW-12	Nitrate	0.305	10
	Chloride	4476	N/A
	Fluoride	0.753	4
	Manganese	0.222	N/A
	Total Dissolved Solids	7480	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
MW-13	Nitrate	0.305	10
	Chloride	4476	N/A
	Fluoride	0.753	4
	Total Dissolved Solids	7480	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
	Selenium	NE*	0.05
MW-15	Nitrate	0.305	10
	Chloride	4476	N/A
	Fluoride	0.753	4
MW-15	Total Dissolved Solids	7480	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
MW-16B	Nitrate	0.237	10
	Chloride	3270	N/A
	Fluoride	1.27	4
	Total Dissolved Solids	5653	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
	MW-17B	Nitrate	0.237
Chloride		3270	N/A
Fluoride		1.27	4
Total Dissolved Solids		5653	N/A
bis(2-ethylhexyl) phthalate		NE*	0.006
Selenium		NE*	0.05
Nitrite		0.00539	1

Section D - Groundwater Monitoring

2. b. MW-19B

Ammonia	0.752	N/A
Chloride	3270	N/A
Fluoride	1.27	4
Boron	0.257	2.0**
Manganese	0.217	N/A
Total Dissolved Solids	5653	N/A
Sulfate	16.9	N/A
Selenium	NE*	0.05
Iron	0.5	N/A

MW-20B

Ammonia	0.752	N/A
Nitrate	0.237	10
Chloride	3270	N/A
Fluoride	1.27	4
Boron	0.257	2.0**
Total Dissolved Solids	5653	N/A
Sulfate	16.9	28.1***
bis(2-ethylhexyl) phthalate	NE*	0.006
Selenium	NE*	0.05
Iron	0.5	N/A
Aluminum	0.118	N/A
Cresol	NE*	N/A
Lead	NE*	0.015

* Not Established. The permittee shall establish a background and a groundwater standard shall be developed for these parameters upon establishment of background per Section B.

** A deviation and human health based preventative action limit (PAL) has been granted for boron at the site per 47 CSR 57, Section 5 and groundwater standard established per 33 CSR 1, Section 4.11.c.9. The standard is based on the minimum of WV DeMinimus Standards and EPA Region III Default Risk Based Concentrations, or an agency approved site-specific value such as a human health based secondary MCL or other approved risk based value such as an USEPA Lifetime Risk Human Health Advisory value.

*** A deviation and preventative action limit (PAL) has been granted for sulfate at the site per 47 CSR 57, Section 5. An appropriate human health based criteria could not be identified for these parameters therefore continued monitoring under the Phase II program is required to ensure additional contamination remains at pre-2024 observed levels. If the permittee determines that further release of these contaminants is occurring either because multiple subsequent exceedences of the PAL are observed with a statistical increasing trend, then the permittee must make every reasonable effort to identify, remove or mitigate the source of such contamination and strive where practical to reduce the level of contamination over time to support drinking water use of downgradient groundwater.

c. CORRECTIVE ACTION PROGRAM / REMEDY (Pending Public Hearing)

 The permittee has assessed corrective action and selected a remedy for the the site pending a public hearing per 33 CSR 1, Section 4.11.e.4 in the timeframe required by Section B. Any changes to the selected remedy resulting for the public hearing shall be incorporated (upon agency approval) via a major modification to the permit.

Per 33 CSR 1, Section 4.11 the following wells shall be monitored per the following corrective measures as specified in the Dry Run Landfill Assessment of Corrective Measures dated December 27, 2018 until such time that the following groundwater standards are achieved. At any time, based on the review of monitoring program results, if it appears that the stated goals in the Corrective Measures will not be achieved within the plan timeframes, the permittee shall revise the plan and propose additional corrective action.

Section D - Groundwater Monitoring

2. c.

Monitoring Well	Parameter	Groundwater Standard

All Wells in Section A except MW-14 and MW-18B		
	PFOA*	0.014 ug/l (Background, APFO Chemours 2018)
	Arsenic**	0.01 mg/l (MCL)
	Ammonia	0.752 mg/l (Background)

* The permittee shall develop a groundwater to surface water (Unnamed tributaries and Dry Run) discharge value protective of the narrative human health based on EPA's Human Health Advisory value (2022, 0.004 ppt) for PFOA to compare to the groundwater protection standard listed above. Should the calculated protection value be less than the groundwater standard listed above the permittee shall modify the permit to incorporate the new standard. The permittee shall also evaluate the groundwater to surface water discharge value for arsenic (47 CSR 2 Category A, 0.01 mg/l). Upon USEPA promulgation of a Maximum Contaminant Level (MCL) or equivalent standard for PFOA, the permittee shall compare the newly promulgated value to the groundwater standard in this permit and if more stringent incorporate the value via a major modification.

** Background Not Established. The permittee shall establish a background to compare to the groundwater standard listed. Should the calculated protection value be higher than the groundwater standard listed above the permittee may choose to modify the permit to incorporate the new standard.

- d. The permittee shall continue to implement Monitored Natural Attenuation at the closed landfill for PFOA, arsenic and ammonia per the Dry Run Landfill Assessment of Corrective Measures dated December 27, 2018 and the requirements of this permit.

The permittee shall, on an annual basis, re-evaluate groundwater uses offsite in a downgradient direction and provide a summary report to the agency. The report shall include, at a minimum, the current status of private well engineering controls (i.e. carbon treatment) and any public water supply in all areas in which groundwater does or potentially could migrate and impact. The permittee shall also include any analytical results (tap water or breakthrough analyses) associated with the engineering controls at each potential receptor.

Should groundwater monitoring indicate an increasing trend in two successive monitoring events for the wells/parameters listed in D.2.c, or the annual report on downgradient receptors indicate impacts above a human health advisory value the permittee shall within 90 days re-evaluate corrective measures for that parameter and submit the results to the agency. At a minimum, the evaluation shall determine if active remediation or interim measures are necessary to control the source(s) of releases so as to reduce or eliminate further releases of those constituents into the environment and prevent exposure of humans and environmental receptors to remaining wastes.

- (1) Corrective Action shall continue until compliance with the groundwater protection standards established in Section D.2.c have been achieved by demonstrating that concentrations of constituents have not exceeded the groundwater protection standard(s) in all wells for a period of three (3) consecutive years using the statistical procedures and performance standards in paragraphs 33 CSR 1, Sections 4.11.a.7 and 4.11.a.8.

Upon completion of the remedial action the permittee shall make a remedy complete request via a major permit modification to remove the remedial action requirements from the permit and return to a Phase I detection program. Any request shall be certified by a qualified groundwater scientist per 33 CSR 1.

The herein-described activity is to be extended, modified, added to, made, enlarged, acquired, constructed or installed, and operated, used and maintained strictly in accordance with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0076244; with the plan of maintenance and method of operation thereof submitted with such application(s); and with any applicable rules and regulations promulgated by the Environmental Quality Board and the Secretary of the Department of Environmental Protection.

Failure to comply with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0076244; and with the plan of maintenance and method of operation thereof submitted with such application(s) shall constitute grounds for the revocation or suspension of this permit and the invocation of all the enforcement procedures set forth in Chapter 22, Article 11, or 15 of the Code of West Virginia.

This permit is issued in accordance with the provisions of Chapter 22, Article 11 and 12 and/or 15 of the Code of West Virginia and is transferable under the terms of Section 11 of Article 11.

Jeremy W. Bandy, Director

Appendix A

I. MANAGEMENT CONDITIONS:

1. Duty to Comply

- a) The permittee must comply with all conditions of this permit. Permit noncompliance constitutes a violation of the CWA and State Act and is grounds for enforcement action; for permit modification, revocation and reissuance, suspension or revocation; or for denial of a permit renewal application.
- b) The permittee shall comply with all effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

2. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit at least 180 days prior to expiration of the permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

4. Permit Actions

This permit may be modified, revoked and reissued, suspended, or revoked for cause. The filing of a request by the permittee for permit modification, revocation and reissuance, or revocation, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

6. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified as required in Title 47, Series 10, Section 4.6 of the West Virginia Legislative Rules.

7. Transfers

This permit is not transferrable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary.

8. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable specified time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, suspending, or revoking this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

9. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

10. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- a) Enter upon the permittee's premises in which an effluent source or activity is located, or where records must be kept under the conditions of this permit;
- b) Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;
- c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location.

11. Permit Modification

This permit may be modified, suspended, or revoked in whole or in part during its term in accordance with the provisions of Chapter 22-11-12 of the Code of West Virginia.

12. Water Quality

This discharge shall not cause or materially contribute to: distinctly visible floating or settleable solids, suspended solids, scum, foam or oily slicks; deposits or sludge bank on the bottom; odors in the vicinity of the waters; taste or odor that would adversely affect the designated uses of the affected waters; distinctly visible color which may impair or interfere with the designated uses of the affected waters; and shall not cause a fish or mussel kill. The limitations and conditions in this permit for the discharges identified in this permit are limitations and conditions that are necessary to meet applicable West Virginia water quality standards, Requirements Governing Water Quality Standards 47 CSR 2.

13. Outlet Markers

A permanent marker at the establishment shall be posted in accordance with Title 47, Series 11, Section 9 of the West Virginia Legislative Rules.

14. Liabilities

- a) Any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing sections 301, 302, 306, 307, 308 or 405 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both.
- b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 2 years, or by both.
- c) Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 2 years, or by both.
- d) Nothing in I.14 a), b), and c) shall be construed to limit or prohibit any other authority the Director may have under the State Water Pollution Control Act, Chapter 22, Article 11.

II. OPERATION AND MAINTENANCE:

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. Unless otherwise required by Federal or State law, this provision requires the operation of back-up auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of the permit. For domestic waste treatment facilities, waste treatment operators as classified by the WV Bureau of Public Health Laws, W. Va. Code Chapter 16-1, will be required except that in circumstances where the domestic waste treatment facility is receiving any type of industrial waste, the Director may require a more highly skilled operator.

2. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

3. Bypass

- a) Definitions
 - (1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility; and
 - (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of II.3.c) and II.3.d) of this permit.
- c)
 - (1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass;
 - (2) If the permittee does not know in advance of the need for bypass, notice shall be submitted as required in IV.2.b) of this permit.
- d) Prohibition of bypass
 - (1) Bypass is permitted only under the following conditions, and the Director may take enforcement action against a permittee for a bypass, unless;
 - (A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and
 - (C) The permittee submitted notices as required under II.3.c) of this permit.
 - (2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed in II.3.d.(1) of this permit.

4. Upset

- a) Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitation if the requirements of II.4.c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in IV.2.b) of this permit.
 - (4) The permittee complied with any remedial measures required under I.3. of this permit.
- d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Removed Substances

Where removed substances are not otherwise covered by the terms and conditions of this permit or other existing permit by the Director, any solids, sludges, filter backwash or other pollutants (removed in the course of treatment or control of wastewaters) and which are intended for disposal within the State, shall be disposed of only in a manner and at a site subject to the approval by the Director. If such substances are intended for disposal outside the State or for reuse, i.e., as a material used for making another product, which in turn has another use, the permittee shall notify the Director in writing of the proposed disposal or use of such substances, the identity of the prospective disposer or users, and the intended place of disposal or use, as appropriate.

III. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. Reporting

- a) Permittee shall submit, according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration, and/or quantities, the values of the constituents listed in Part A analytically determined to be in the plant effluent(s). DMR submissions shall be made in accordance with the terms contained in Section C of this permit.
- b) Enter reported average and maximum values under "Quantity" and "Concentration" in the units specified for each parameter, as appropriate.
- c) Specify the number of analyzed samples that exceed the allowable permit conditions in the columns labeled "N.E." (i.e., number exceeding).
- d) Specify frequency of analysis for each parameter as number of analyses/specified period (e.g., 3/month is equivalent to 3 analyses performed every calendar month). If continuous, enter "Cont.". The frequency listed on format is the minimum required.

3. Test Procedures

Samples shall be taken, preserved and analyzed in accordance with the latest edition of 40 CFR Part 136, unless other test procedures have been specified elsewhere in this permit.

4. Recording of Results

For each measurement or sample taken pursuant to the permit, the permittee shall record the following information.

- a) The date, exact place, and time of sampling or measurement;
- b) The date(s) analyses were performed;
- c) The individual(s) who performed the sampling or measurement;
- d) The individual(s) who performed the analyses; if a commercial laboratory is used, the name and address of the laboratory;
- e) The analytical techniques or methods used, and
- f) The results of such analyses. Information not required by the DMR form is not to be submitted to this agency, but is to be retained as required in III.6.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at any monitoring point specified in this permit more frequently than required by this permit, using approved test procedures or others as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.

6. Records Retention

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

7. Definitions

- a) "Daily discharge" means the discharge of a pollutant measured during a calendar day or within any specified period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the day.
- b) "Average monthly discharge limitation" means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
- c) "Maximum daily discharge limitation" means the highest allowable daily discharge.
- d) "Composite Sample" is a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall be two hours.
- e) "Grab Sample" is an individual sample collected in less than 15 minutes.
- f) "is" = immersion stabilization - a calibrated device is immersed in the effluent stream until the reading is stabilized.
- g) The "daily average temperature" means the arithmetic average of temperature measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month, or during the operating month if flows are of shorter duration.
- h) The "daily maximum temperature" means the highest arithmetic average of the temperatures observed for any two (2) consecutive hours during a 24 hour day, or during the operating day if flows are of shorter duration.
- i) The "monthly average fecal coliform" bacteria is the geometric average of all samples collected during the month.
- j) "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or which a relationship to absolute volume has been obtained.
- k) "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to pump capabilities, water meters and batch discharge volumes.
- l) "Non-contact cooling water" means the water that is contained in a leak-free system, i.e., no contact with any gas, liquid, or solid other than the container for transport; the water shall have no net poundage addition of any pollutant over intake water levels, exclusive of approved anti-fouling agents.

IV. OTHER REPORTING

1. Reporting Spills and Accidental Discharges

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to Title 47, Series 11, Section 2 of the West Virginia Legislative Rules promulgated pursuant to Chapter 22, Article 11. Attached is a copy of the West Virginia Spill Alert System for use in complying with Title 47, Series 11, Section 2 of the Legislative rules as they pertain to the reporting of spills and accidental discharges.

2. Immediate Reporting

- a) The permittee shall report any noncompliance which may endanger health or the environment immediately after becoming aware of the circumstances by using the Agency's designated spill alert telephone number. A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- b) The following shall also be reported immediately:
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Any upset which exceeds any effluent limitation in the permit; and
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit shall be reported immediately. This list shall include any toxic pollutant or hazardous substance, or any pollutant specifically identified as the method to control a toxic pollutant or hazardous substance.
- c) The Director may waive the written report on a case-by-case basis if the oral report has been received in accordance with the above.
- d) Compliance with the requirements of IV.2 of this section, shall not relieve a person of compliance with Title 47, Series 11, Section 2.

3. Reporting Requirements

- a) Planned changes. The permittee shall give notice to the Director of any planned physical alterations or additions to the permitted facility which may affect the nature or quantity of the discharge. Notice is required when:
 - (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in Section 13.7.b of Series 10, Title 47; or
 - (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under IV.2 of this section.
- b) Anticipated noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- c) In addition to the above reporting requirements, all existing manufacturing, commercial, and silvicultural discharges must notify the Director in writing as soon as they know or have reason to believe:
 - (1) That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, or any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (A) One hundred micrograms per liter (100 ug/l);
 - (B) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitro phenol; and for 2-methyl 4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
 - (C) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.9 of Series 10, Title 47.
 - (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47;
 - (2) That any activity has occurred or will occur which would result in any discharge (on a non-routine or infrequent basis) of a toxic which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (A) Five hundred micrograms per liter (500 ug/l);
 - (B) One milligram per liter (1 mg/l) for antimony;
 - (C) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.7 of Series 10, Title 47;
 - (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47.
 - (3) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a routine or frequent basis of that toxic pollutant at levels which exceed five times the detection limit for that pollutant under approved analytical procedure.
 - (4) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a non-routine or infrequent basis of that toxic pollutant at levels which exceed ten times the detection limit for that pollutant under approved analytical procedure.

4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under the above paragraphs at the time monitoring reports are submitted. The reports shall contain the information listed in IV.2.a). Should other applicable noncompliance reporting be required, these terms and conditions will be found in Section C of this permit.

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 003 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
50050 (ML-1) RF-C Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/6 months	Estimated
00530 (ML-1) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-1) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	N/A	S.U.		1/6 months	Grab
00620 (ML-1) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01104 (ML-1) RF-C Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 003 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00980 (ML-1) RF-C Iron, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-1) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
78141 (ML-1) RF-D Total Toxic Organics (TTO) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/year	Grab
51065 (ML-1) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6.77 Max. Daily	N/A	ug/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>	
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>	

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 004 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
50050 (ML-1) RF-C Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/6 months	Estimated
00530 (ML-1) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-1) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	N/A	S.U.		1/6 months	Grab
00620 (ML-1) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01104 (ML-1) RF-C Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 90%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 90%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 90%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 004 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00980 (ML-1) RF-C Iron, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-1) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
78141 (ML-1) RF-D Total Toxic Organics (TTO) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/year	Grab
51065 (ML-1) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	1.55 Max. Daily	N/A	ug/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 90%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 90%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 90%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 006 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
50050 (ML-1) RF-B Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/quarter	Estimated
00310 (ML-1) RF-B BOD, 5-Day 20 Deg.C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00530 (ML-1) RF-B Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	5.5 Avg. Monthly	6.4 Max. Daily	N/A	mg/l		1/quarter	Grab
00400 (ML-1) RF-A pH Year Round	Reported												
	Permit Limits	N/A	N/A			6 Inst. Min.	N/A	9 Inst. Max.	N/A	S.U.		1/month	Grab
00610 (ML-1) RF-B Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00620 (ML-1) RF-B Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 006 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00615 (ML-1) RF-B Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01114 (ML-1) RF-B Lead, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01094 (ML-1) RF-B Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01104 (ML-1) RF-B Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00980 (ML-1) RF-B Iron, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00940 (ML-1) RF-B Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 006 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00951 (ML-1) RF-B Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
61426 (ML-1) RF-D Chronic Tox-Ceriodaphnia Dubia Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	TUc		1/year	24 hr Composite
61428 (ML-1) RF-D Chronic Toxicity - Pimephales Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	TUc		1/year	24 hr Composite
00981 (ML-1) RF-B Selenium, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00978 (ML-1) RF-B Arsenic, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
70295 (ML-1) RF-B Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 006
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type		
				Units	N.E.				CEL*	Units			N.E.	
82057 (ML-1) RF-B Boron, Total Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab	
39100 (ML-1) RF-B BIS(2-Ethylhexyl) Phthalate Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/quarter	Grab	
11123 (ML-1) RF-B Total Recov. Manganese Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab	
81020 (ML-1) RF-B Sulfate Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab	
01059 (ML-1) RF-B Thallium, Total (as Tl) Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab	
51065 (ML-1) RF-A PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	0.004 Avg. Monthly	0.014 Max. Daily	N/A	NG/L		1/month	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 006 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
79778 (ML-1) RF-B	Reported												
Cresol Year Round	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
50050 (ML-P) RF-C Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/6 months	Estimated
00310 (ML-P) RF-C BOD, 5-Day 20 Deg.C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00530 (ML-P) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-P) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00610 (ML-P) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-P) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00615 (ML-P) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01002 (ML-P) RF-C Arsenic, Total (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
71900 (ML-P) RF-C Mercury, Total (as Hg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00900 (ML-P) RF-C Hardness, Total (as CaCO3) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01055 (ML-P) RF-C Manganese, Total (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00940 (ML-P) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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LEACHATE ANALYSIS REPORT

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00951 (ML-P) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01027 (ML-P) RF-C Cadmium, Total (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01042 (ML-P) RF-C Copper, Total (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01105 (ML-P) RF-C Aluminum, Total (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
34030 (ML-P) RF-C Benzene Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01051 (ML-P) RF-C Lead, Total (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
01034 (ML-P) RF-C Chromium, Total (as Cr) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01077 (ML-P) RF-C Silver, Total (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
85811 (ML-P) RF-C Chloroethane Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01147 (ML-P) RF-C Selenium, Total (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00929 (ML-P) RF-C Sodium, Total (as Na) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01007 (ML-P) RF-C Barium, Total (as Ba) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
34010 (ML-P) RF-C Toluene Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
70295 (ML-P) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01097 (ML-P) RF-C Antimony, Total (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01062 (ML-P) RF-C Molybdenum, Total (as Mo) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
82057 (ML-P) RF-C Boron, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00720 (ML-P) RF-C Cyanide, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00095 (ML-P) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
01092 (ML-P) RF-C Zinc, Total (as Zn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
39100 (ML-P) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
34043 (ML-P) RF-C Phenolics, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00916 (ML-P) RF-C Calcium, Total (as Ca) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-P) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

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 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
01045 (ML-P) RF-C Iron, Total (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01067 (ML-P) RF-C Nickel, Total (as Ni) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01087 (ML-P) RF-C Vanadium, Total (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81020 (ML-P) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81017 (ML-P) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00927 (ML-P) RF-C Magnesium, Tot (as Mg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
01059 (ML-P) RF-C Thallium, Total (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-P) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00937 (ML-P) RF-C Potassium, Total (as K) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
71880 (ML-P) RF-C Formaldehyde Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
51065 (ML-P) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01152 (ML-P) RF-C Total Titanium (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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 PERMIT NO.: WV0076244 LM1 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
79778 (ML-P) RF-C	Reported													
Cresol Year Round	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

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 LEACHATE ANALYSIS REPORT

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM2 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-P) RF-C	Reported												
PFOA Year Round	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab

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MONITORING WELL REPORT

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4476 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	7480 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.222 Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%; height: 40px;" type="text"/>

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-12B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4476 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	7480 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
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MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
01087 (ML-O) RF-C Vanadium, Total (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

STATE OF WEST VIRGINIA
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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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 PERMIT NO.: WV0076244 MW-13 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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STATE OF WEST VIRGINIA
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MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-13A
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 [MW-13A](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-14
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
01087 (ML-O) RF-C Vanadium, Total (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4476 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	7480 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input style="width: 95%;" type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-15 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-16B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-16B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
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MONITORING WELL REPORT

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 PERMIT NO.: WV0076244 MW-17B _____
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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	1 Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-17B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-17B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-17B _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-17B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent <input style="width: 90%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-18B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-18B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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CERTIFIED LABORATORY NAME: _____
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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-18B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input style="width: 100%;" type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-19B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer <input style="width: 90%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 90%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 90%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>	

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.217 Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	16.9 Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	2 Max. Daily	N/A	mg/l		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-20B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-20B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.118 Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-20B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.015 Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-20B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Winter Dec 1-Feb 28	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	28.1 Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	2 Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-20B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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MONITORING WELL REPORT

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 PERMIT NO.: WV0076244 MW-21A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-21A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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MONITORING WELL REPORT

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 PERMIT NO.: WV0076244 MW-21A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 [MW-21A](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	Page 1295 of 1737

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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 PERMIT NO.: WV0076244 MW-6A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-6A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-6A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

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STATE OF WEST VIRGINIA
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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

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STATE OF WEST VIRGINIA
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 PERMIT NO.: WV0076244 MW-6A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

NOTICE TO PERMITTEES

The 1999 regular session of the West Virginia legislature revised the Water Pollution Control Act, Chapter 22, Article 11, Section 10 of the Code of West Virginia relating to fees associated with permits. This section of the Code requires all holders of a State water pollution control permit or a national pollutant discharge elimination system permit to be assessed an annual permit fee, based upon rules promulgated by the Secretary of the Department of Environmental Protection. The Secretary has promulgated a final rule in accordance with the code revision to this effect and these rules were effective May 4, 2000. The rules establish an annual permit fee based upon the relative potential to degrade the waters of the State which, in most instances, relate to volume of discharge. However, for sewage facilities, the annual permit fee is based upon the number of customers served by the facility. You may contact the Secretary of State's Office, State Capitol Building, Charleston, WV 25305, to obtain a copy of the rules. The reference is Title 47, Legislative Rules, Department of Environmental Protection, Division of Water Resources, Series 26 Water Pollution Control Permit Fee Schedules.

Based upon the volume of discharge for which your facility is currently permitted, the number of customers served by your facility or for the category you fall within, pursuant to Section 7 of Title 47, Series 26, your annual permit fee is **\$5000.00**. This fee is due no later than the anniversary date of permit issuance in each year of the term of the permit or in the case of coverage under a general permit, the fee is due no later than the anniversary date of your coverage under the general permit. **You will be invoiced by this agency at the appropriate time for the fee.** Failure to submit the annual fee within ninety(90) days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect.

STATE OF WEST VIRGINIA

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER & WASTE MANAGEMENT**

FACT SHEET

**Chemours Dry Run Landfill
Permit Number: WV0076244**

NAME AND ADDRESS OF THE APPLICANT

The Chemours Company, LLC
1007 Market St.
Wilmington, DE 19898

NAME AND ADDRESS OF THE FACILITY

Dry Run Landfill
789 Dry Run Lane
Washington, WV 26181

COUNTY

Wood

GENERAL DESCRIPTION OF FACILITY

E.I. DuPont de Nemours and Company utilized a solid waste disposal facility referenced as the Dry Run landfill consisting of approximately 18 acres from 1984 through March 2006 for the disposal of waste materials derived from their Washington Works facility located in Washington, WV, Ravenswood Polymers, and Little Hocking Service Center facilities.

TYPE AND QUANTITY OF SOLID WASTES

Solid waste as defined in W.Va. Code Chapter 22, Article 15, Section 2(30) and Section 2(31) and as listed in 33CSR1 Subsection 2.116. and 33CSR1 Subsection 2.119. Wastes disposed consisted primarily of inert acrylic polymer sludge, inert mixed plastics, ash derived from the burning of coal and plant trash, and calcium chloride sludge.

BASIS FOR PERMIT CONDITIONS

Renewal (33CSR1 Subdivision 3.5.c. "Term of Permit")

Information regarding PFOA toxicity

This information is being utilized in this permit reissuance to assess legacy PFOA levels contained in discharges in this permit.

Limitations must control all pollutants which may be discharged at a level which will cause, or have the reasonable potential to cause, or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality. Additionally, where a State has not established a water quality criterion for a specific chemical pollutant that is present in an effluent at a concentration that causes, has the reasonable potential to cause, or contributes to an excursion above a narrative criterion within an applicable State water quality standard, the permitting authority must establish effluent limits. In determining an appropriate value to be protective of narrative criterion, risk assessment data may be considered. West Virginia does not currently have any numeric water quality criteria prescribed for PFOA. However, the agency does have concerns with the toxicity from PFOA and its impact on the narrative water quality criteria found in 47 CSR 2, Section 3.2.e which prohibits discharges from discharging materials in concentrations which are harmful to or toxic to man, animal, or aquatic life. Therefore, the agency does possess a narrative water quality criterion which can be used for limiting specific pollutants where the State has no numeric criteria for those pollutants.

In 2022, the US EPA updated its human health advisory level for PFOA which was developed using risk assessment procedures. EPA's health advisories are based on the best available peer-reviewed studies of the effects of PFOA and PFOS (perfluorooctanesulfonic acid) on laboratory animals (rats and mice) and were also informed by epidemiological studies of human populations that have been exposed to perfluoroalkyl substances (PFASs). These studies indicate that exposure to PFOA and PFOS over certain levels may result in adverse health effects, including developmental effects to fetuses during pregnancy or to breastfed infants (e.g., low birth weight, accelerated puberty, skeletal variations), cancer (e.g., testicular, kidney), liver effects (e.g., tissue damage), immune effects (e.g., antibody production and immunity), thyroid effects and other effects (e.g., cholesterol changes). The US EPA established a human health advisory level of 0.004 nanograms per liter (ng/L) or parts per trillion (ppt) for PFOA + PFOS combined.

TSS at Outlet 006

The agency evaluated the need for technology-based effluent limitations to ensure the operation and maintenance of the units meets a minimum standard to ensure adequate operation, maintenance, pollution prevention, and waste minimization practices at the facility. The agency established technology-based effluent limitations for total suspended solids on a Best Professional Judgment (BPJ) basis in accordance with Section 402(a)(1) of the Clean Water Act. Derivations of the performance-based limitations were based on EPA's NPDES Permit Writers Manual, EPA's Technical Support Document (Appendix E), and 40 CFR 125.3(d).

The following considerations were given in the development of BPJ limits:

1. Cost of technology in relation to effluent reduction benefits to be achieved from such application.
2. Age of equipment and facilities involved.
3. Processes employed.
4. Engineering aspects of the application of various types of control techniques.
5. Process Changes.

6. Non-water quality environmental impact including energy requirements.

As a result of the BPJ-based limit imposed, there is no additional cost to the permittee to meet these limits as these limits are based off of the permittee's existing technology. The age of equipment and facilities involved were considered in that the basis of these limits captures the existing performance of the permittee's equipment. The processes employed and any variation due to process changes at the facility were considered by the agency by using recent actual performance discharge data by the permittee which accounts for variability in the processes. Engineering aspects of control techniques were considered because the limits are based upon the existing techniques employed by the permittee. Non-water quality environmental impacts such as energy requirements are also considered because this limit is based upon the permittee's existing technology and pollution control techniques. In general, the imposition of this BPJ-based limitation considered the existing technology currently being utilized by the permittee in addition to its existing performance levels. The agency followed the procedures in the NPDES Permit Writers Manual along with the statistical equations in the Technical Support Document (TSD) to develop the BPJ limit. In general, the BPJ limit is the product of the long-term average and a variability factor. The agency used the historical DMR data reported for the respective parameter to establish a long-term average (LTA) and determined a variability factor using the lognormal distribution equations in Appendix E of the TSD. These limitations should further be protective of narrative water quality standards since, to the agency's knowledge, current total suspended solids discharge levels at the facility have not violated narrative water quality criteria. Calculations are attached to the fact sheet.

Groundwater Monitoring / Corrective Action Program

The groundwater monitoring program has been revised to be consistent with 33 CSR 1, Section 4.11. A review of the monitoring program indicates the permittee has evaluated corrective action at the site for PFOA and arsenic. The agency reviewed the corrective action assessment and agrees that the suggested corrective action based on currently available studies for the two parameters of concern is monitored natural attenuation. However, the permittee did not evaluate the groundwater to surface water migration pathway for human health water quality criteria in Dry Run as part of the assessment. Therefore, the permit requires evaluation of the pathway and submission of groundwater protection numbers to incorporate into the permit if the calculated values are more stringent than the imposed groundwater standards in Section D.2.c. If this is the case, the permittee will need to re-evaluate corrective action for these parameters and possibly implement an interim measure since the human health criteria is significantly less than the EPA derived RSL in the assessment of corrective action and Dry Run already has exhibited instream values above the criteria in the past.

In addition, the agency evaluated past groundwater data to determine if any additional groundwater standards were required by 33 CSR 1 Section 4.11 based on detections during Phase I and II sampling. Additional parameters that required derivation of a groundwater standard are included in Section D.2.b and the groundwater standards are imposed in Section A based on data provided in the 2017 corrective action assessment and Discharge Monitoring Reports (DMRs). A review of the DMRs for these parameters indicate that sulfate, boron, and ammonia would not be compliant with the groundwater standards imposed in Section A. Per 33 CSR 1, 4.11.c.9,

deviations and Preventative Action Limits (PALs) per 47 CSR 57 were granted for sulfate and boron. A PAL could not be identified for ammonia and required assessment of corrective action; as such ammonia has been added to the corrective measures program since many of the same risk based assumptions for arsenic and PFOA can be applied to these additional parameters. It is believed by the agency that monitored natural attenuation is also the appropriate remedy for those parameters.

The permittee completed Assessment of Corrective Action and selected a Remedy per 33 CSR 1, Section 4.11,e and f; however, did not discuss the results of the corrective measures assessment prior to the selection of remedy in a public meeting with interested and affected parties. Therefore, approval of the remedy is contingent on a completion of a public hearing within the timeframe imposed in Section B of the permit.

JUSTIFICATION FOR VARIANCES / WAIVERS

N/A - no waivers or variances have been granted for this facility.

PROCEDURES FOR REACHING A FINAL PERMIT DECISION

Pursuant to Section 3.21 of the Solid Waste Management Rule (SWMR), the permittee and public agencies are afforded thirty (30) days to review and comment on the application, the fact sheet, and the draft permit. A copy of these documents will be available for public review at the DEP, DWWM, 601 57th Street SE, Charleston, WV 25304.

The comment period will begin March 11, 2024 and end on April 10, 2024.

All relevant comments should be submitted in writing to the attention of:

Kenneth Wandling
Division of Water and Waste Management
Solid Waste Management
601 57th Street SE
Charleston, WV 25304
kenneth.wandling@wv.gov

During this thirty (30) day comment period any person may request a public hearing. If requested, a notice of the hearing will be given thirty (30) days before the scheduled public hearing. The Director will consider the following in the permitting decision: 1) written comments received during the comment period, 2) oral or written statements received during the public hearing (if held), and 3) relevant statutory and legislative rule requirements of 33CSR1 "Solid Waste Management Rule". Prior to final issuance, the Applicant shall respond to all comments received in the public participation file. The response will briefly describe and address all comments raised during the public comment period or during the public hearing. The response to comments will also specify which provisions, if any, of the draft permit have been changed and the reasons for the change. The response to comments shall be sent

to any person who requested the response, and all responses will be incorporated into the public participation file and mailed to the Director at which time the Director will issue a final permit decision. The permit shall become effective thirty (30) days after issuance by the Director.

WATER QUALITY BASED EFFLUENT LIMITATIONS

v 10.2

Dry Run Landfill

Outlet: 006

Stream: Dry Run

Hardness (mg/l):	100	Instream Waste %:	100.00
Temperature (°C):	27	ZID:	1.0
pH:	7.3	CMZ:	1.0
Stream 1Q10 (CFS):	NA	HH CMZ:	1.0
Stream 7Q10 (CFS):	0	HHA 1/2 Mile Rule CMZ:	1.0
Effluent Flow (MGD):	0.036227		

PARAMETER	Baseline Water Quality (mg/l)	Stream Background (mg/l)	End of Pipe WQC RP	RWC WQC RP	Average Monthly Limit (mg/l)	Maximum Daily Limit (mg/l)	Tier Protection Level
Aluminum	NA	NA	No	No	Monitor	Monitor	Tier 1
Ammonia	NA	NA	No	No	Monitor	Monitor	Tier 1
Barium	NA	NA	No	No	Monitor	Monitor	Tier 1
Chloride	NA	NA	No	No	Monitor	Monitor	Tier 1
Fluoride	NA	NA	No	No	Monitor	Monitor	Tier 1
Iron	NA	NA	No	No	Monitor	Monitor	Tier 1
Nitrate (as Nitrate-N)	NA	NA	No	No	Monitor	Monitor	Tier 1
Thallium	NA	NA	No	No	Monitor	Monitor	Tier 1
Zinc	NA	NA	No	No	Monitor	Monitor	Tier 1
Sulfate	NA	NA	No	No	Monitor	Monitor	Tier 1
WET - Ceriodaphnia Dubia	NA	NA	Yes	No	Monitor	Monitor	Tier 1
WET - Pimephales Promelas	NA	NA	Yes	No	Monitor	Monitor	Tier 1
Boron	NA	NA	No	No	Monitor	Monitor	Tier 1
Magnesium	NA	NA	No	No	Monitor	Monitor	Tier 1
Molybdenum	NA	NA	No	No	Monitor	Monitor	Tier 1
PFOA	NA	NA	Yes	Yes	4.0E-09	1.4E-08	Tier 1

Outfall discharges to Ohio River and is subject to ORSANCO Pollution Control Standards:	No
Outfall discharges to a Trout Stream:	No
Outfall discharges to a stream exempt from Human Health A Criteria:	No
Outfall discharges to a stream exempt from all Human Health Criteria:	No
Outfall discharges within 1/2 mile upstream of a public drinking water intake:	No
Outfall has limitations for at least one metal using a site specific translator:	No
Outfall has Tier 2.0 antidegradation limitations for at least one pollutant:	No

PERFORMLIM

PERFORMANCE-BASED EFFLUENT LIMITS						Outlet 006 - TSS	
USE EXCEL TO PERFORM THE LOGNORMAL TRANSFORMATION							
AND CALCULATE THE TRANSFORMED MEAN AND VARIANCE							
LOGNORMAL TRANSFORMED MEAN =						1.6225	
LOGNORMAL TRANSFORMED VARIANCE =						0.0097	
NUMBER OF SAMPLES/MONTH FOR COMPLIANCE MONITORING =						4	
AUTOCORRELATION FACTOR(ne)(USE 0 IF UNKNOWN) =						0	
			n>10	E(X)	5.0900	5.0900	
			n>10	V(X)	0.251	0.251	
			n<10	σ_n^2	0.0024	N/A	
			n<10	μ_n	1.6261	N/A	
			n>10	V(X _n)	0.063	N/A	
				X.95=	5.513	N/A	
				X.99=	N/A	6.366	
				VF=	1.084	1.251	
MAXIMUM DAILY EFFLUENT LIMIT =						N/A	6.37449
AVERAGE MONTHLY EFFLUENT LIMIT =						5.52635	N/A



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, West Virginia 25304-2345
Phone: 304-926-0495
Fax: 304-926-0463

Harold D. Ward, Cabinet Secretary
<https://dep.wv.gov>

July 29, 2024

TOM EI, DIRECTOR
THE CHEMOURS COMPANY FC, LLC
1007 MARKET ST.
PO BOX 2047
WILMINGTON, DE 19898

CERTIFIED RETURN RECEIPT REQUESTED

Dear Permittee:

Enclosed please find Solid Waste/NPDES Permit Number WV0076244 dated July 29, 2024.

Chemours Company's comments were received by letter dated April 17, 2024. The following is the agency's response to these comments regarding the draft permit that went to public notice on March 11, 2024.

Comment No. 1 : WVDEP's use of an interim health advisory value for PFOA to protect narrative criterion is unsupported and premature.

The permittee is correct, EPA revised its Final 2022 Human Health Advisory value for PFOA in April 2024. As such the 2022 Final PFOA Human Health Advisory value has been removed from the permit; however, the permittee is incorrect that protecting narrative criteria is unsupported and premature.

Narrative water quality in a NPDES permit is required to be evaluated per 40 CFR 122.44 which states that limitations must control all pollutants which may be discharged at a level which will cause, or have the reasonable potential to cause, or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality. Additionally, where a State has not established a water quality criterion for a specific chemical pollutant that is present in an effluent at a concentration that causes, has the reasonable potential to cause, or contributes to an excursion above a narrative criterion within an applicable State water quality standard, the permitting authority must establish effluent limits per 40 CFR 122.44(d)(i) and (ii). In determining an appropriate value to be protective of narrative criterion, risk assessment data may be considered.

The agency believes that discharge of PFOA via Outlet 006 has a reasonable potential to cause, or contribute to an excursion above the State's narrative criteria for water quality and therefore a limitation must be included in the permit per 40 CFR 122.44 or the permit denied. In addition, the risk assessment procedures for derivation of a lifetime human health protection value is well documented by USEPA and therefore the permittee's assertion that derivation of a human health based protection value (or an equivalent value to a human health advisory lifetime protection value) is unsupported in itself.

Comment No. 2 : WVDEP's use of an interim health advisory value for PFOA to protect narrative criterion is unsupported and premature. (cont.)

The agency's history of using USEPA's Human Health Advisory Lifetime protection and the lifetime human health protection risk process, at a cancer risk of 1×10^{-6} in its NPDES, Solid Waste, and RCRA Hazardous Waste Management permitting programs, on a case by case basis, is well established in WV/NPDES Individual Permit Nos. WV0020371 (perchlorate, 2013), (HMX and RDX, 2021); WV0001279 (PFOA and GenX, 2018); WV0000132 (1,4-dioxane, 2016); WV0112755 (Boron, 2023); WV0050776 (Boron, 2023), Draft Permit WV0076244 (Boron, 2024); and WVD005012851 (1,4-dioxane, 2024).

As such the agency has recalculated the lifetime protection value(s) based on the 2022 final human health (now interim) advisory calculation process and assumptions (DWI-BW and UFs) utilizing the revised 2024 final toxicity Rfd and CSF. The narrative criterion, as a lifetime protection value for PFOA has been calculated as the minimum of the carcinogenic and non-carcinogenic lifetime risk(s). A value of 0.086 ng/l is being used as the narrative Human Health A criterion per 47 CSR 2. The value is based on the revised final Reference Dose (3×10^{-8} mg/kg/day) and age exposure population assumptions in USEPA's final 2024 toxicity assessment and the water intake assumptions in the final / interim 2022 Health Advisory. This criterion has been used to re-evaluate reasonable potential for Outlet 006. Outlet 006 has a reasonable potential to exceed the narrative PFOA criteria end of pipe.

The calculated narrative criterion is significantly below the laboratory minimum level of 4 ng/l established by EPA Method 1633; therefore, a compliance evaluation limitation of 4 ng/l has been established at Outlet 006. Should the minimum level be revised using EPA Method 1633 or a human health water quality standard (HHA) be established in 47 CSR 2, the permittee shall modify this permit to incorporate the promulgated criteria.

Comment No. 3 : Any Updated Effluent Limits Intended to be Set Below the PFOA Practical Quantification Level (PQL) Must be Set at a Compliance Evaluation Level (CEL).

A compliance evaluation level (CEL) has been granted at Outlet 006 at the Limit of Quantification (LOQ) in the January 2024 Method 1633 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS.

Comment No. 4 : The Permit Should Continue to Allow Use of the Previously Approved Sedimentation Pond Valve System with Limits Appropriate for Alternative Stormwater Discharge Events Caused by Excessive Precipitation

Any discharge from the valve system that bypasses primary treatment is potentially prohibited by Appendix A. These types of discharge must be reported to the Spill Hotline per the procedures in Appendix A.II.3. Outlets solely constructed to allow a non-allowable bypass is prohibited by 40 CFR 122.41(m). This language is considered boilerplate for an NPDES permit. Section C.25 only restates the bypass provisions for clarification. Any previous authorization in contradiction to the bypass provisions was in error. The permittee can only operate the discharge during allowable bypass or upset conditions per Appendix A. All other discharges are prohibited.

Comment No. 5 : The Sedimentation Pond Emergency Spillway (formerly Outlet 007) Must Remain Functional for Use in Emergency Conditions

See the response above. The emergency spillway may only be operated and discharge under the bypass and upset provisions in Appendix A. Any previous authorization in contradiction to the bypass provisions was in error.

Comment No. 6 : Chemours Requests a Suitable Schedule of Compliance Should WVDEP Pose More Stringent PFOA Limitations at Outlet 006 than those Currently in Place

The permittee cannot consistently meet the limitations currently imposed at Outlet 006. Therefore, an Administrative Order is being issued with the permit to compel compliance.

Comment No. 7 : The Permit Must Clarify that Groundwater Quality Limits are Not Enforceable NPDES Permit Limits

Groundwater standards are imposed under both the State NPDES rule in 47 CSR 10, Section 3.2.a and the solid waste rule in 33 CSR 1, Section 4.11. Both rules establish that protection of groundwater is enforceable per the State Water Pollution Control Act and State Solid Waste Management Act. Contrary to the permittee's comment, the permit that is being issued is not just a Federal NPDES permit, it is a WV/NPDES Solid Waste Permit that incorporates both the enforceable requirements of 47 CSR 10 (Federal NPDES and State Water Pollution Control) and 33 CSR 1 (Solid Waste Management). That said, Section A and D.2.b have been revised to indicate that a exceedance of a limitation in Section A is only a violation of the permit if the appropriate statistical evaluation per 33 CSR 1, Section 4.11 has been made and the permittee is not complying with Section D of the permit.

Comment No. 8 : An Updated Assessment of Corrective Measures (ACM) is Warranted Given the Passage of Six Years Since Submission

Section B and D of the permit has been revised to allow additional time to comply with 33 CSR 1, Section 4.11.

Comment No. 9 : WVDEP Must Clarify the Leachate Detection Sump

Section C.22 has been revised.

Comment No. 10 : Downgradient Groundwater Use Evaluations Should Not be Required Until an Updated ACM is Completed

Section D.2.c has been revised. Requirements concerning groundwater use will be re-evaluated upon resubmittal of the ACM and selection of a remedy.

Comment No. 11 : Permit condition C.18 is unclear and appears to be missing part of the language.

Section C.18 has been revised.

Comment No. 12 : EPA finalized Method 1633 for analysis of PFAS in January 2024.

The permit has been updated to recognize that EPA Method 1633 was finalized.

Comment No. 13 : Chemours Requests Additional Documentation Regarding the Calculated TSS Limit at Outlet 006.

The complete formulas for calculation of performance based limits are based on Appendix E of USEPA's Technical Support Document for Water Quality Based Toxics Control. The date range utilized for the evaluation was August 2017 through August 2022. Due to the time difference from the prior evaluation to publication of the draft permit, the performance based effluent limitations have been re-evaluated with the additional DMR reported values (July 2019 through May 2024) and limits in Section A revised.

Please note that a Discharge Monitoring Report (DMR) is to be completed and submitted to this Division each month.

Special Condition: Please note this permit is being issued as a four (4) year permit due to West Virginia's watershed permitting approach.

Finally note that copies of all future correspondence regarding the permit must be forwarded to the Field Inspector and Field Supervisor at the following address:

Department of Environmental Protection
Environmental Enforcement
76 Conservation Way
Parkersburg, WV 26104

Also, please note the attachment to this permit which describes the annual permit fee requirement. Reissuance of your permit does not change the annual fee billing cycle.

TOM EI, DIRECTOR

Page 5

July 29, 2024

If you have any questions, please contact John Lockhart, P.E. of this Division at (304) 926-0499 at extension 43889, or by email at john.v.lockhart@wv.gov.

Sincerely,

Jeremy W. Bandy
Director

JWB:jl

Enclosures

Permit Number: WV0076244

Permittee: THE CHEMOURS COMPANY FC, LLC

cc: Env. Insp. Supv.
Env. Insp.



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER AND WASTE MANAGEMENT
 601 57TH STREET SE
 CHARLESTON, WV 25304-2345

SOLID WASTE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 WATER POLLUTION CONTROL PERMIT

NPDES PERMIT NO.: WV0076244

SUBJECT: Solid Industrial Waste

ISSUE DATE: July 29, 2024

EFFECTIVE DATE : September 01, 2024

EXPIRATION DATE: July 28, 2028

SUPERSEDES: Permit No. WV0076244
 dated December 17, 2015

LOCATION: LUBECK
 (City)

Wood
 (County)

Middle Ohio River 2
 (Drainage Basin)

See the next page for a list of Outlets.

TO WHOM IT MAY CONCERN:

This is to certify that: THE CHEMOURS COMPANY FC, LLC
 1007 MARKET ST.
 PO BOX 2047
 WILMINGTON, DE 19898

is hereby granted a West Virginia NPDES Water Pollution Control Permit to:

Maintain and monitor a closed Class F industrial solid waste landfill (Dry Run Landfill) and best management practices in the drainage basin of Dry Run, a tributary of the North Fork of Lee Creek, a tributary of the Ohio River, utilized for the disposal of non-hazardous waste materials generated at E.I. DuPont, Inc. Washington Works, Ravenswood Polymers, and Little Hocking Service Center facilities.

Operate and maintain a treatment and disposal system for the direct discharge of treated stormwater runoff and other wastes (leachate, groundwater seeps) via Outlet 006 into Dry Run of North Fork of Lee Creek, a tributary of the Ohio River approximately 1.7 miles from its mouth.

Operate and maintain a disposal system and best management practices for the direct discharge of untreated stormwater runoff via Outlets 003 and 004 into the waters of Dry Run, a tributary of the North Fork of Lee Creek, a tributary of the Ohio River approximately 1.8 miles from its mouth.

This permit is subject to the following terms and conditions :

The information submitted on and with Permit Application No. WV0076244 dated the 16th day of June 2020, the additional information submitted on February 11, 2021 are all here by made terms and conditions of this Permit with like effect as if all such permit application information were set forth herein, and other conditions set forth in Sections A, B, C, and D, and Appendix A.

The validity of this permit is contingent upon the payment of the applicable annual permit fee, as required by Chapter 22, Article 11, Section 10 of the Code of West Virginia.

Inspectable Unit	Latitude	Longitude	Receiving Stream	Dist. to Stream Mouth (in Mile)	Milepost
003	39°10'58"	81°41'12"	DRY RN	1.8	N/A
004	39°11'02"	81°41'15"	DRY RN	1.8	N/A
006	39°11'02"	81°41'15"	DRY RN	1.7	N/A
LM1	39°11'02"	81°41'15"	N/A	N/A	N/A
LM2	39°11'02"	81°41'15"	N/A	N/A	N/A
MW-12	39°11'08"	81°41'11"	N/A	N/A	N/A
MW-12A	39°11'08"	81°41'11"	N/A	N/A	N/A
MW-12B	39°11'08"	81°41'11"	N/A	N/A	N/A
MW-13	39°11'03"	81°41'17"	N/A	N/A	N/A
MW-13A	39°11'03"	81°41'17"	N/A	N/A	N/A
MW-14	39°10'51"	81°40'55"	N/A	N/A	N/A
MW-15	39°11'00"	81°41'15"	N/A	N/A	N/A
MW-16B	39°11'05"	81°34'32"	N/A	N/A	N/A
MW-17B	39°11'01"	81°34'30"	N/A	N/A	N/A
MW-18B	39°10'57"	81°34'20"	N/A	N/A	N/A
MW-19B	39°11'05"	81°34'17"	N/A	N/A	N/A
MW-20B	39°11'08"	81°34'20"	N/A	N/A	N/A
MW-21A	39°11'14"	81°34'43"	N/A	N/A	N/A
MW-6A	39°10'58"	81°41'16"	N/A	N/A	N/A

A.003 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 003 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/6 months	Estimated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 003, within the northern diversion channel appx. 20' upstream of the 32" diameter corrugated metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.003 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 003 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
78141 - (Total Toxic Organics (TTO)) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/year	Grab
51065 - (PFOA) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6.77 Max. Daily	ug/l	1/6 months	Grab
See Condition C.29									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 003, within the northern diversion channel appx. 20' upstream of the 32" diameter corrugated metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.004 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 004 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/6 months	Estimated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 004, discharge from the southern diversion channel, a 20" metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.004 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 004 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
78141 - (Total Toxic Organics (TTO)) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/year	Grab
51065 - (PFOA) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1.55 Max. Daily	ug/l	1/6 months	Grab
See Condition C.29									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 004, discharge from the southern diversion channel, a 20" metal pipe as indicated on Drawing Sheet No. 6 dated 1/16/07 entitled "Existing Conditions"

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/quarter	Estimated
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	5.5 Avg. Monthly	6.4 Max. Daily	mg/l	1/quarter	Grab
00400 - (pH) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	6 Inst. Min.	N/A	9 Inst. Max.	S.U.	1/month	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01114 - (Lead, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00951 - (Fluoride, Total) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
61426 - (Chronic Tox-Ceriodaphnia Dul) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	TUc	1/year	24 hr Composite
61428 - (Chronic Toxicity - Pimephales) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	TUc	1/year	24 hr Composite
00981 - (Selenium, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
00978 - (Arsenic, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
82057 - (Boron, Total) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/quarter	Grab
11123 - (Total Recov. Manganese) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
81020 - (Sulfate) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
51065 - (PFOA) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	2 Avg. Monthly	4 Max. Daily	NG/L	1/month	Grab

Compliance Evaluation Limit. See Fact Sheet and Section C.29.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
79778 - (Cresol) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outlet No. 006, a 24" HDPE Pipe

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/6 months	Estimated
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00530 - (Total Suspended Solids) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00900 - (Hardness, Total (as CaCO3)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01055 - (Manganese, Total (as Mn)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01042 - (Copper, Total (as Cu)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01105 - (Aluminum, Total (as Al)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
34030 - (Benzene) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01077 - (Silver, Total (as Ag)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
85811 - (Chloroethane) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00929 - (Sodium, Total (as Na)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
34010 - (Toluene) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
82057 - (Boron, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00720 - (Cyanide, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
01092 - (Zinc, Total (as Zn)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
34043 - (Phenolics, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00916 - (Calcium, Total (as Ca)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01045 - (Iron, Total (as Fe)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01067 - (Nickel, Total (as Ni)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01087 - (Vanadium, Total (as V)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
81017 - (Chem. Oxygen Demand) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00927 - (Magnesium, Tot (as Mg)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00937 - (Potassium, Total (as K)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
71880 - (Formaldehyde) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
See Section C.29									
01152 - (Total Titanium (as Ti)) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM1 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM1 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
79778 - (Cresol) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM-1, influent to the leachate holding tank

A.LM2 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee is authorized to discharge from Outlet Number(s) LM2 (Leachate)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>				
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>			
51065 - (PFOA) (Year Round) (ML-P) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	ug/l	1/6 months	Grab
					Avg. Monthly	Max. Daily			

See Section C.29

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

LM2, influent to the granular activated carbon units depicted on September 30, 2005 drawing entitled "Proposed Flow Schematic"

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4476 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	7480 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>					
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.222 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Interim: 9/1/2024 to 8/31/2026	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	NG/L 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Final: 09/01/2026 to 7/28/2028	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	14 Max. Daily	NG/L 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>		<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	mg/l	1/6 months	Grab
					Avg. Monthly	Max. Daily			

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>		<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Other Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
See Section C.29									
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12A

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Other Units</u>	<u>Other Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>		<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>			
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-12B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-12B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>			
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-12B

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Other Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4476 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>					
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	7480 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l 1/6 months	Grab
See Section D.2.b								
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>			
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01087 - (Vanadium, Total (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l 1/6 months Grab
See Section D.2.b							
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Interim: 9/1/2024 to 8/31/2026	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	NG/L 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Final: 09/01/2026 to 7/28/2028	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	14 Max. Daily	NG/L 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
	<u>Quantity</u>		<u>Units</u>	<u>Other Units</u>					
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-13A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-13A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-13A

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01087 - (Vanadium, Total (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-14 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-14 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-14

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>			
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4476 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>					
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	7480 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
See Section D.2.b									
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Measurement Frequency</u>		<u>Units</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Frequency</u>	<u>Frequency</u>			
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Interim: 9/1/2024 to 8/31/2026	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	NG/L 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Final: 09/01/2026 to 7/28/2028	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	14 Max. Daily	NG/L 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-15 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-15 (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
			<u>Units</u>		<u>Other Units</u>				
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-15

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Other Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>					
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 mg/l Max. Daily	1/6 months	Grab
See Section D.2.b								
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 ug/l Max. Daily	1/6 months	Grab
See Section D.2.b								
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>		<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-16B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-16B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29. See Section D.2.b								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-16B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Other Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C) Interim: 9/1/2024 to 8/31/2026	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C) Final: 09/01/2026 to 7/28/2028	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	mg/l	1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1 Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>					
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l 1/6 months	Grab
See Section D.2.b								
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>			
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l 1/6 months Grab
See Section D.2.b							

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Interim: 9/1/2024 to 8/31/2026	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	NG/L 1/6 months	Grab

See Section C.29. See Section D.2.b

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-17B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-17B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Units</u>		<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Final: 09/01/2026 to 7/28/2028	N/A	N/A	N/A	N/A	Rpt Only	14	NG/L	1/6 months	Grab
See Section C.29. See Section D.2.b									
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	mg/l	1/6 months	Grab
					Avg. Monthly	Max. Daily			

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-17B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>		<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>			
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-18B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-18B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-18B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>			
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>					
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Measurement Frequency</u>		<u>Units</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Frequency</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.217 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	16.9 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	2 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Measurement Frequency</u>		<u>Units</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Frequency</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Interim: 9/1/2024 to 8/31/2026	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	NG/L	1/6 months	Grab
See Section C.29. See Section D.2.b									
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Final: 09/01/2026 to 7/28/2028	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	14 Max. Daily	NG/L	1/6 months	Grab
See Section C.29. See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-19B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-19B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Units</u>		<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-19B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>					
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U.	1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	10 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	3270 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	4 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Units</u>				
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	5653 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.118 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	6 Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.015 Max. Daily	mg/l	1/6 months	Grab
See Section D.2.b									

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Winter Dec 1-Feb 28) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	28.1 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	2 Max. Daily	mg/l 1/6 months	Grab
See Section D.2.b								

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Interim: 9/1/2024 to 8/31/2026	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	NG/L 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C) Final: 09/01/2026 to 7/28/2028	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	14 Max. Daily	NG/L 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-20B MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-20B (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>		<u>Other Units</u>		<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	mg/l	1/6 months	Grab
					Avg. Monthly	Max. Daily			

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-20B

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Quantity</u>		<u>Monitoring Requirements</u>		<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C	1/6 months	Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/6 months	Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-21A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-21A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>			
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months Grab
See Section C.29							
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-21A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	S.U. 1/6 months	Grab
00300 - (Dissolved Oxygen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00951 - (Fluoride, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>			
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01106 - (Aluminum, Diss. (as Al)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
00095 - (Specific Conductance) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	UMHO/CM 1/6 months Grab
00010 - (Temperature, C) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.C 1/6 months Grab
39100 - (BIS(2-Ethylhexyl) Phthalate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months Grab
01040 - (Copper, Diss. (as Cu)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01046 - (Iron, Dissolved (as Fe)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab
01049 - (Lead, Dissolved (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
01056 - (Manganese, Diss. (as Mn)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00680 - (Total Organic Carbon) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
81020 - (Sulfate) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01085 - (Vanadium, Diss. (as V)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01000 - (Arsenic, Dissolved (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01025 - (Cadmium, Dissolved (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01145 - (Selenium, Diss. (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01020 - (Boron, Dissolved (as B)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

A.MW-6A MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 9/1/2024 and lasting through midnight 7/28/2028 the permittee will monitor Well Number(s) MW-6A (Monitoring Well)

Such well shall be monitored by the permittee as specified below:

<u>Monitoring Well Characteristic</u>	<u>Monitoring Requirements</u>				<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>				
81017 - (Chem. Oxygen Demand) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01057 - (Thallium, Dissolved (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01010 - (Dissolved Beryllium) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01095 - (Antimony, Dissolved (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
01075 - (Silver, Dissolved (as Ag)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
00410 - (Alkalinity, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab
51065 - (PFOA) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l 1/6 months	Grab
See Section C.29								
79778 - (Cresol) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l 1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Monitoring Well MW-6A

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the provisions for waste treatment and the monitoring requirements specified in the permit in accordance with the following schedule :

Mar 01, 2025: The permittee shall establish backgrounds for statistical comparison for bis(2-ethylhexyl) phthalate, selenium, cresol, and lead for all monitoring wells. Background shall be established per 33 CSR 1, Section 4.11.a.4.

The permittee shall establish/revise groundwater standards for the parameters in Section D.2.b (where not already established) based on the newly established backgrounds required above. The groundwater standards shall consider maximum contaminant levels (MCLs) and the established backgrounds required above. Should any revised standard be more stringent than those established in this permit, the permittee shall submit the revision per a major permit modification application for incorporation into the permit.

Mar 01, 2025: The permittee shall submit a copy of the property deed restrictions as referenced in Section 5.0 (Conceptual Exposure Model) of the Assessment of Corrective Measures at Dry Run Landfill (AECOM, 2018).

Mar 01, 2026: The permittee shall complete assessment of Corrective Measures (ACM) for PFOA, arsenic, and ammonia (and any other parameter identified above groundwater standards) in groundwater per Section D.2.c and 33 CSR 1, Section 4.11.e. per Section D.2.c.

Upon completion of ACM the permittee shall, within a reasonable time period, discuss the results in a public meeting with interested and affected parties per 33 CSR 1, Section 4.11.e.4.

Sep 01, 2026: The permittee shall select a remedy for PFOA, arsenic, and ammonia (and any other parameter identified above groundwater standards) in groundwater and incorporate the remedy into the permit per a major permit modification application.

2. Reports of compliance or non-compliance with, and progress reports on interim and final requirements contained in the above compliance schedule, if any, shall be postmarked no later than 14 days following each schedule date.

Section C - Other Requirements

1. As of the closure date identified in Section C.26, no future disposal of solid waste at the Dry Run Landfill facility is permitted.
2. The following storm water requirements apply to Outlets 003 and 004:

- a. Samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Samples shall be taken during the first thirty (30) minutes, or as soon thereafter as practicable, of the storm event.

b.

Pollutant	Benchmark Value
Chemical Oxygen Demand	120 mg/L
Total Suspended Solids	100 mg/L
Nitrate	10 mg/L
Total Recoverable Aluminum	0.75 mg/L
Total Recoverable Iron	1.5 mg/L
Total Recoverable Zinc	0.117 mg/L
Fluoride	1.8 mg/L
PFOA	0.094 mg/l (EPA, 2022)
Total Toxic Organics (TTO)	2 mg/l
pH	6.0 to 9.0 S.U.

- c. When the concentration results from a minimum of four consecutive samples of a pollutant are all less than the corresponding benchmark value for the pollutant, additional monitoring for the pollutant is not required (this waiver does not apply to monitoring for PFOA). The facility shall submit, each year, to the Division of Water and Waste Management, in lieu of the monitoring data, a certification (form will be provided upon request) that there has not been a significant change in the industrial activity or the pollution prevention measures in the area of the facility that drains to the outlet for which sampling is to be waived. If the concentration of a pollutant exceeds the corresponding benchmark concentration or a pH value is not within the range of 6.0 to 9.0 S.U., monitoring shall be continued and storm water pollution prevention practices shall be revised and implemented. A letter stating the revised and implemented storm water pollution prevention practices shall be submitted to the Division of Water and Waste Management at the address listed in Section C.07.

A waiver may not be claimed for constituents that do not have a benchmark defined in Section C.2.b. or constituents in Section A that have been assigned effluent limitations.

3. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the permit may be promptly modified and/or reissued to include effluent limitations and/or other requirements to control such storm water discharges.
4. The permittee shall maintain a copy of the Operating Record. It shall be available for review by representative(s) of the Director of the Division of Water and Waste Management at the premises or at the operator's office.
5. The following activities are prohibited unless specifically approved by permit modification:
 - a. Use of the facility for agricultural purposes, or
 - b. Establishment or construction of any buildings.
 - c. Excavation of the final cover or any waste materials.
6. The permittee shall submit each month according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration and/or quantities the values of the constituents listed in Section A analytically determined to be in the plant effluent(s). Additional information pertaining to effluent monitoring and reporting can be found in Section III of Appendix A.

Section C - Other Requirements

7. The required DMRs shall be received by the agency no later than 25 days following the end of the reporting period in accordance with the following requirements. The agency is now requiring the permittee to utilize our electronic discharge monitoring report (eDMR) system which is now mandatory. The permittee is not required to submit hard copies of the DMRs to the addresses listed below when using eDMR. Special circumstances may result in the agency granting an exemption to eDMR and are considered on case by case basis. If the permittee was exempted by the agency from using the eDMR system, then the permittee is required to send hard copies to the addresses below. The permittee may contact the agency for more information about the eDMR system and potential exemptions from using it. Regardless, in accordance with Appendix A, Section III.6 of this permit, the permittee shall maintain copies of DMRs (either hard copies or electronic copies) at the facility and the DMRs shall be made readily available upon request for DEP personnel.

Director
Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
Attn: Christina Facemyer

Department of Environmental Protection
Environmental Enforcement
601 57th Street, SE
Charleston, WV 25304

8. Any "not detected (ND)" results by the permittee must be "ND" at the method detection limit (MDL) for the test method used for that parameter and must be reported as less than the MDL used. The permittee may not report the result as zero, "ND", or report the result as less than a minimum level (ML), reporting limit (RL), or practical quantitation limit (PQL).

When averaging values of analytical results for DMR reporting purposes for monthly averages, the permittee should use actual analytical results when these results are greater than or equal to the MDL and should use zero (0) when these results are less than the MDL. If all analytical results are non-detect at the MDL (<MDL), then the permittee should use the actual MDL in the calculation for averaging and report the result as less than the average calculation.

9. In incidences where a specific test method is not defined, the permittee shall utilize an EPA approved method with a method detection limit (MDL) sensitive enough to confirm compliance with the permit effluent limit for that parameter. If a MDL is not sensitive enough to confirm compliance, the most sensitive approved method must be used. If a more sensitive EPA approved method becomes available, that method shall be used. Should the current and/or new method not be sensitive enough to confirm compliance with the permitted effluent limit, analytical results reported as "not detected" at the MDL of the most sensitive method available will be deemed compliant for purposes of permit compliance. Results shall be reported on the Discharge Monitoring Reports as a numeric value less than the MDL.
10. The permittee shall not use alternate DMRs without prior approval from this Agency.
11. Effluent monitoring for the following pollutants shall be conducted using the most sensitive methods and detection levels commercially available and economically feasible. The following methods are to be used unless the permittee desires to use a 40 CFR 136, EPA Approved Test Method with an equivalent or more sensitive method detection level. Regardless, it is recognized that detection levels can vary from analysis to analysis and that non-detect results at a equivalent MDL for the specified test method would not constitute a permit violation.

Section C - Other Requirements

11. Parameter	EPA Method No.	Method Detection Level (ug/l)
Bis(2-ethylhexyl)phthalate	525.2	0.46
Selenium	200.9	0.6
Arsenic	200.8	1.4
Iron, Total Recoverable	200.8	3
Lead, Total Recoverable	200.8	0.6
Total Toxic Organics	624.1/625.1	multiple
PFOA/PFAS	**	**

* Total Toxic Organics shall be reported as the sum of the results for analytes listed in 47 CSR 10 Appendix C, Table II less pesticides in Section A. The permittee shall attach the analytical laboratory report to the eDMR for any respective compliance period in which a positive analytical result is detected of any of the individual analytes (i.e. above the method detection limit).

** See Section C.29

12. Annual report. An annual report is to be submitted for the previous calendar year to the Electronic Submission System no later than January 31 of the following year and shall include the following information:
 - a. Summary in table format of the previous year's monitoring activities required by Sections A.003, A.004, A.006, A.LM1, A.LM2, A.MW-6A, A.MW-12, A.MW-12A, A.MW-12B, A.MW-13, A.MW-13A, A.MW-14, A.MW-15, A.MW-16B, A.MW-17B, A.MW-18B, A.MW-19B, A.MW-20B and A.MW-21B
 - b. A brief narrative describing the status of development; construction, maintenance, and closure of all facilities as part of the approved solid waste facility;
 - c. Any annual certification report(s) per Condition C.2.c; and
 - d. Groundwater flow rate and direction required by Condition D.1.d.
 - e. Isocontour maps for PFOA, arsenic, sulfate, boron, and ammonia.
13. All required reports shall be submitted via the Electronic Submission System (ESS). Any letters not applicable to the ESS shall be addressed to:

Director
 Div. of Water and Waste Management
 601 57th Street
 Charleston, WV 25304
 Attn: Christina Facemyer
14. The permittee shall implement and maintain the storm water pollution prevention plan (SWPPP) for the facility. The SWPPP shall be prepared in accordance with good engineering practices. The SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with the industrial activity. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with the industrial activity at the facility and to assure compliance with the terms and conditions of this permit. A copy of this document shall be retained at the site for review upon request.
15. The permittee shall maintain and implement the groundwater protection plan (GPP) to protect the groundwater resources from any potential contamination as required by 47 CSR 58-4.11 and 4.12. The GPP shall be maintained at the facility and shall be available for inspection by the Division of Water and Waste Management personnel.
16. The permittee shall monthly examine the finished surfaces of the landfill for 1) evidence of cracking or erosion which could allow waters to enter solid waste deposits and 2) evidence of settling of solid waste causing ponding of surface water. Finished surfaces which have cracked, eroded, or settled shall be repaired by any necessary regrading, additions of cover material, and revegetation activities.
17. The permittee shall inspect prior to the spring and fall planting seasons the vegetative cover of the intermediate and finished surfaces of the landfill and the storm water basin embankment. Areas that are deficient of vegetative cover shall be reseeded to establish a satisfactory stand of vegetation. Areas are considered to be deficient of vegetation if a 90% cover of perennial grasses or legumes has not been established.

Section C - Other Requirements

18. [Reserved]
19. The permittee shall mow the landfill surface and the embankment of the Storm Water Management Detention Basin at a frequency which prevents the establishment of trees and shrubs.
20. Materials derived from the clean out of Storm Water Management Detention Basin, the clean out of all ditches and the operation of the leachate collection and treatment system depicted on drawings submitted with Permit Application No. WV0076244, shall be characterized and properly disposed of.
21. The permittee shall annually utilizing a water jet cleanout device or equivalent clean the piping of the leachate collection system.
22. The permittee shall routinely examine fluid levels within the pond leak detection sump. Fluids shall be assessed before evacuation from the sump before it becomes filled to capacity. The permittee may send the fluid directly to the treatment system pump station, the leachate collection tank, or comeingle in the pond. Regardless processing and/or discharge shall not cause violation of the limitations specified in Section A of the permit. The permittee shall document each evacuation by date and quantity.
23. The permittee shall annually perform chronic toxicity tests, as described below, on the effluent from Outlet 006:
 - a. Such testing will determine if an appropriate dilute effluent sample affects the survival or reproduction of the test species. All tests shall be conducted on 24-hour composite samples. An appropriate statistical test shall be used to determine whether differences in control and effluent data are significant.
 - (1) The permittee shall conduct a three brood (6-8 days) Ceriodaphnia survival and reproduction toxicity test on the final effluent diluted by appropriate control water. Toxicity will be demonstrated if there is a statistically significant difference at the 95 percent confident level in survival or reproduction between Ceriodaphnia exposed to an appropriate control water and the final effluent. All test solutions shall be renewed using an approved renewal schedule. If, in any control, more than 20% of the test organisms die, or less than 60% of surviving females in controls produced their third brood, that test shall be repeated.
 - (2) The permittee shall conduct a 7-day fathead minnow larval survival and growth toxicity test on the final effluent diluted by appropriate control water. Toxicity will be demonstrated if there is a statistically significant difference at the 95 percent confidence level in survival or growth between fathead minnows exposed to an appropriate control water and the final effluent. All test solutions shall be renewed using an approved renewal schedule. If, in any control, more than 20% of the test organisms die, or average dry weight of surviving controls was less than 0.25 mg, that test shall be repeated.
 - b. Results shall be reported in terms of chronic toxic units (TUC) according to the reporting requirements outlined in the test procedure approved under 40 CFR Part 136 and shall be submitted with the corresponding monthly Discharge Monitoring Report (DMR).

TUC= 100/NOEC or NOEL

Where NOEC (or NOEL) is No Observed Effect Concentration (or Level), which is expressed as percent (volume) effluent in dilution water.

For Example, if NOEC is 10%, TUC= 100/10=10
 - c. All test species, procedures, and quality assurance criteria used shall be in accordance with the test procedure approved under 40 CFR Part 136.
 - d. First test shall be carried out within three months of the effective date of the permit.
 - e. If the results of two consecutive tests exceeds 1.0 TUC, the permittee shall carry out toxicity evaluation and reduction studies within 18 months from the receipt of results of the second toxicity test. The permittee shall submit a report summarizing findings of these studies within 90 days from completion of the studies. If necessary, within six months from completion of these studies, the permittee shall submit a permit modification with corrective measures and an implementation plan to the agency. Upon issuance of the permit modification, the permittee shall undertake corrective measures.

Section C - Other Requirements

24. All leachate which discharges from the leachate collection systems depicted on Drawing No. 11 of Application No. WV0076244 entitled "Dry Run Landfill, Leachate Collection System, Proposed Plan." is to be collected and transported to WV/NPDES Individual Permit No. WV0001279 (Chemours Washington Works) for treatment and disposal. As an alternative, the permittee may elect to direct leachate to the on-site treatment system depicted on drawings submitted with letter dated January 17, 2006 provided that the treatment and discharge will not cause exceedence of the effluent limitations referenced in Section A.006.

If for any reason the above referenced facilities can no longer accept the leachate, the permittee shall notify the Director of the Division of Water and Waste Management with the name and location of an alternative site of disposal within fifteen (15) calendar days. A plan for the permanent collection, disposal, and treatment of the leachate shall be submitted within thirty (30) days.

If the plan includes disposal at a Publicly Owned Treatment Works (POTW), the permittee shall provide documentation that an industrial user application has been submitted by the permittee to the new receiving facility's NPDES Permit. Upon regulatory approval of the acceptance, the permittee shall incorporate the change into this permit via a minor permit modification application within sixty (60) days of approval.

If the permittee intends to discharge directly to Waters of the State without treatment, the permittee shall apply for a major modification to this permit.

If the disposal will ultimately be performed at a facility of type not listed above (i.e., industrial NPDES facility, hazardous waste management facility, etc.) the permittee shall provide documentation of the approval of acceptance of the leachate by the receiving facility within the thirty (30) day notification.

25. This permit does not authorize the direct discharge of untreated or partially treated leachate or "other" wastewaters via the "emergency spillway" (formerly Outlet 007) at the Outlet 006 Sedimentation Pond. Any such discharge (or overflow) may potentially be considered a "bypass" and may be reported to the WV Emergency Spill Hotline as required in Appendix A, Section II.3 as applicable. However, please note that based on Appendix A.II.3.d.B, a "bypass" is only permissible when there are no feasible alternatives to the "bypass", such as auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. A "bypass" is not permissible if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent the "bypass". The permittee may only allow an unanticipated "bypass" to occur and not provide immediate notice as required by Appendix A.IV.2.b if essential maintenance to assure efficient operation is being performed. Routine discharges that are not for essential maintenance to assure efficient operation of the treatment works require the permittee to modify this permit to impose the appropriate permit requirements and effluent limitations which would make the overflow events permissible.

26. The approved final closure dates (i.e. for the purposes of post closure care) for the landfill covered by this permit is

- a. Dry Run Landfill - 12/14/2007* (12/14/2037**)

* Documentation of an agency approved closure date could not be located in the agency's site file. A Registered PE certified that the landfill had been closed in accordance with the approved closure plan on 12/14/2007. Should the permittee locate documentation of the official agency approved date of closure of Dry Run Landfill, the permittee may submit a major modification application to revise the above referenced date.

** The length of post-closure care may decreased if the permittee demonstrates a reduced period is sufficient to protect human health and the environment or increased if the agency determines that a lengthened period is necessary to protect human health and the environment.

27. The permittee may submit a major permit modification application or a formal request for termination / revocation of the permit (as applicable) for removal of a landfill from the permit that has completed post closure care. At a minimum, the request shall include:

- a. A notification verifying that post-closure care has been completed in accordance with this permit and 33 CSR 1 signed by an independent registered professional engineer.

Section C - Other Requirements

- 27. b. A post closure care inspection report from Environmental Enforcement that indicates that no further remedial action or other activity is necessary to continue compliance with the Solid Management Act and the facility is not causing or could cause, in the future, any adverse effects on the environment, and/or causing a nuisance.
- c. A groundwater evaluation report comparing upgradient and downgradient concentrations, during post-closure care, of any Constituent of Concern (COC) developed by the agency or the permittee based on the materials disposed in the respective landfill and all parameters listed in Section A of the permit.

A one time evaluation shall also be performed for all parameters listed in 33 CSR 1 Appendix I. For any parameter in downgradient monitoring wells detected above the value in corresponding upgradient monitoring wells that can be attributed to impacts from the landfill, a plan of action shall be submitted to investigate and mitigate / remediate (as necessary) prior to the agency's decision on termination of the permit. The plan of action shall also include evaluation of all parameters in 33 CSR 1 Appendix II that have a reasonable expectation of being present based on the COC list of disposed materials in the landfill.

- d. If wastes contained in the landfill have not degraded to a point where a release could occur due to failure of engineering controls or degradation of landfill components (which have a finite life span), the permittee shall submit a long-term stewardship plan to prevent unacceptable exposure to solid waste or a release of solid waste at the post-closure care unit once the permit is terminated.
 - e. A copy of the deed notation required by 33 CSR 1 - 6.2.f.
 - f. A plan to abandon groundwater monitoring wells on site compliant with 47CSR60 Section 19.
28. Any destructive animal activity found that impacts the final cover material integrity shall be fixed with any regrading, refilling of animal burrowing, additions of cover material, and re-vegetative activities as necessary.
29. The permittee shall sample Outfalls 003, 004, 006, LM1, and LM2 and groundwater monitoring wells MW-12, MW-12A, MW-12B, MW-13, MW-13A, MW-14, MW-15, MW-16B, MW-17B, MW-18B, MW-19B, MW-20B, MW-21A, and MW-6A for the PFAS compounds listed below using EPA Method 1633.

Sampling is only required for the compound analytes identified in the test method noted above. Sampling shall commence for any other compound analytes if they become available in the future in EPA approved test methods.

Such sampling shall be conducted quarterly at Outlet 006 and shall be conducted semi-annually at Outlets 003 and 004. Quarterly monitoring periods for are Jan-Mar, Apr-Jun, Jul-Sep, and Oct-Dec and semi-annual monitoring periods are Feb-Jul and Aug-Jan. There shall be a minimum of four months between required semi-annual monitoring periods. Quarterly analytical results shall be attached to the March, June, September, and December eDMRs and semi-annual analytical results shall be attached to the January and July eDMRs. Results shall be summarized by outfall, parameter, and sample date. Lab analysis sheets shall also be attached to the summarized results.

Such sampling shall be conducted for groundwater semi-annually per the groundwater monitoring program already established by this permit and included in the required semi-annual groundwater monitoring report.

Section C - Other Requirements

29. a. Parameter	Acronym	CasRN
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTA	376-06-7
Perfluorobutanesulfonic acid	PFBS	375-73-5
Perfluoropentanesulfonic acid	PFPeS	2706-91-4
Perfluorohexanesulfonic acid	PFHxS	355-46-4
Perfluoroheptanesulfonic acid	PFHpS	375-92-8
Perfluorooctanesulfonic acid	PFOS	1763-23-1
Perfluorononanesulfonic acid	PFNS	68259-12-1
Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluorododecanesulfonic acid	PFDoS	79780-39-5
4:2 fluorotelomersulfonic acid	4:2 FTS	757124-72-4
6:2 fluorotelomersulfonic acid	6:2 FTS	27619-97-2
8:2 fluorotelomersulfonic acid	8:2 FTS	39108-34-4
N-Methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
N-Ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
Perfluorooctanesulfonamide	PFOSA	754-91-6
N-Methylperfluorooctanesulfonamide	NMeFOSA	31506-32-8
N-Ethylperfluorooctanesulfonamide	NEtFOSA	4151-50-2
N-Methylperfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7
N-Ethylperfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2
Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
4,8-dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUds	763051-92-9
2H, 2H, 3H, 3H-perfluorohexanoic acid	3:3 FTCA	356-02-5
2H, 2H, 3H, 3H-perfluorooctanoic acid	5:3 FTCA	914637-49-3
2H, 2H, 3H, 3H-perfluorodecanoic acid	7:3 FTCA	812-70-4
Perfluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	113507-82-7
Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5

Section D - Groundwater Monitoring

1. Monitoring Well Reporting

- a. The permittee shall submit as required by Condition C.12.a. Monitoring Well Reports indicating in terms of concentration the values of the constituents listed. At least one hundred twenty (120) days shall transpire between sampling events. If concentration levels are found to be below method detection limits, so note and report the specific method detection limit.
- b. Water levels shall be obtained prior to pumping or sampling using the wetted tape method or an electronic detector.
- c. Stagnant water shall be removed from the well bore prior to sampling so that a representative sample may be obtained. Stagnant water shall be removed at a rate that is no greater than the recovery rate of the well. The water shall be removed from the well bore until a constant (10% over two consecutive measurements) water temperature, pH and Specific Conductance is achieved, unless the well evacuates to dryness. In such cases, the well should be evacuated to dryness once. Upon sufficient recovery, the first sample shall be collected and tested for Temperature, pH, and Specific Conductance. The well shall be re-tested for pH, Temperature, and Specific Conductance after sampling as a measure of purging efficiency and as a check on the stability of the water samples over time. Values for pH, Temperature, and Specific Conductance obtained during purging shall be retained as stated in Section III.6 of Appendix A.
- d. The permittee shall annually determine the groundwater flow rate and direction in the uppermost significant aquifer with the results of the determination being submitted with the annual report required by Condition C.12.
- e. The permittee shall establish background groundwater quality for each of the monitoring parameters or constituents required Section A. The minimum number of samples used to establish background groundwater quality must be consistent with appropriate statistical procedures described in this Section.
- f. The permittee shall determine whether there is a statistically significant increase over background levels for each parameter listed in Sections A of this permit less pH, Total Suspended Solids, Specific Conductance and Temperature. To determine such, the permittee shall compare groundwater quality in wells MW-12, MW-12A, MW-12B, MW-13, MW-13A, MW-15, MW-16B, MW-17B, MW-19B, MW-20B, MW-21A, and MW-6A via interwell comparison with upgradient wells MW-14 and MW-18B. Said statistical determinations shall be submitted concurrently with the Monitoring Well Report. If the permittee determines that there is a statistically significant increase over background for any parameter listed in Section A of this permit less pH, Total Suspended Solids, Specific Conductance, and Temperature, the permittee shall indicate concurrent with the submission of the Monitoring Well Report which parameters have shown the statistically significant increase and comply with the requirements of Section 4.11.b.4 of 33CSR1, Solid Waste Management Rule.
- g. The permittee must employ one of the following statistical procedures in combination with the appropriate sampling requirements to determine a statistically significant increase:
 - (1) A parametric analysis of variance (ANOVA) followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The procedure must include estimation and testing of the contrasts between each down gradient well's mean and the background mean level for each constituent;
 - (2) An analysis of variance based on ranks followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The procedure must include estimation and testing of the contrasts between each down gradient well's mean and the background mean level for each constituent;
 - (3) Tolerance or prediction interval procedure in which a tolerance interval for each constituent is established from the distribution of the background data, and the level of each constituent is established from the distribution of the background data, and the level of each constituent in each down gradient well is compared to the upper tolerance or prediction limit; or
 - (4) A control chart approach that gives control limits for each constituent.
- h. The Director may establish an alternative sampling procedure and statistical test for any of the constituents listed in the permit, as required to protect human health and the environment.

Section D - Groundwater Monitoring

1.
 - i. If there is a statistically significant increase over background concentrations for any groundwater parameter listed in Section A, less pH, Total Suspended Solids, Specific Conductance, and Temperature, the permittee must do the following:
 - (1) Within fourteen (14) days, place a notice in the operating record indicating which constituents have shown statistically significant changes from background levels and notify the Secretary that this notice was placed in the operating record.
 - (2) Within a thirty (30) day period of said finding, the permittee shall repeat the sampling of the groundwater in the appropriate monitoring well(s) in accordance with the requirements of this permit.
 - (3) If the repeat sampling indicates that there is not a statistically significant increase over the background for the respective pollutant, the permittee shall continue sampling as required by this permit.
 - (4) If the repeat sampling confirms that a statistically significant increase over background levels has occurred, the permittee must establish and implement a Phase II assessment monitoring program meeting the requirements of 33 CSR 1, Section 4.11.c within ninety (90) days of said confirmation.
 - (5) If the concentrations of all Phase II constituents are shown to be at or below background values, using the statistical procedures described above for two consecutive sampling events, the permittee must notify the Secretary of this finding and may return to Phase I detection monitoring.
 - (6) If the concentrations of any Phase II constituents are above background values, but all concentrations are below the groundwater protection standards, using the statistical procedures described above, the permittee must continue assessment monitoring in accordance with Phase II requirements.
 - j. The permittee shall not cause a statistically significant increase over the limitations (groundwater standards) found in Section A for the monitoring wells listed in Section D.2.b. Should a limitation be exceeded, the permittee shall provide the following:
 - (1) Within ninety (90) days of a finding that any of the constituents listed in the permit have been detected at a statistically significant level exceeding the groundwater protection standards, the permittee must initiate an assessment of corrective measures in accordance with 33 CSR 1, Section 4.11.e.
 - (2) Based on the results of the corrective measures assessment conducted pursuant to 33 CSR 1, Section 4.11.e, the permittee must select a remedy that, at a minimum, meets the standards listed in 33 CSR 1, Sections 4.11.f.2 and 4.11.f.3. The permittee must notify the Secretary, within fourteen (14) days of selecting a remedy, by sending him or her a report describing the selected remedy, stating that it has been placed in the operating record, and describing how it meets the standards in 33 CSR 1, Sections 4.11.f.2 and 4.11.f.3. Further, the permittee shall specify as part of the selected remedy a schedule(s) for initiating and completing remedial activities in accordance with 33 CSR 1, Section 4.11.f.4.
 - (3) The Secretary may determine that remediation of a Phase II constituent is not necessary if the permittee can successfully demonstrate to the Secretary conditions found in 33 CSR 1, Section 4.11.f.5. However, any determination by the Secretary pursuant to 33 CSR 1, Section 4.11.f.5 cannot affect the authority of the state to require the permittee to undertake source control measures or other measures that may be necessary to eliminate or minimize further releases to the groundwater, to prevent exposure to the groundwater, or to remediate the groundwater to concentrations that are technically practicable and significantly reduce threats to human health or the environment.
 - (4) In accordance with 33 CSR 1, Section 4.11.g, the permittee shall implement the corrective action program based on the schedule required by 33 CSR 1, Sections 4.11.f.4 and 4.11.g.
2. Based on a review of the historic Groundwater Monitoring Program at the site, the following monitoring wells / parameters shall be monitored under the following Phase per 33 CSR 1, Section 4.11:

Section D - Groundwater Monitoring

2. a. DETECTION PROGRAM - PHASE I

Per 33 CSR 1, Section 4.11.b.4, permittee shall comply with Section D.1.f upon an exceedence of the respective background in each respective monitoring well. Upon moving a Detection parameter to a Assessment parameter the permittee shall submit a major permit modification to revise Section D of the permit. Some wells listed here may already be under an Assessment program, those wells shall be monitored per Section D.2.b and upon satisfying that section (i.e. all results below backgrounds) return to a Detection program.

(1) The following wells shall be evaluated via intrawell statistics:

N/A

(2) The following wells shall be evaluated via interwell statistics:

MW-12, MW-13, MW-15, MW-16B, MW-17B, MW-19B, MW-20B, MW-12B, MW-12B, MW-13A, MW-21A, and MW-6A

Background Wells: MW-14 and MW-18B

b. ASSESSMENT PROGRAM - PHASE II

Per 33 CSR 1, Section 4.11.c.8.B limitations (groundwater standards) have been established in Section A. The permittee shall continue to monitor these wells under a Phase II program. Upon two successive exceedences of a respective limitation in Section A the permittee shall comply with Section D.1.j.

Monitoring Well	Parameter	Background (mg/l)	MCL / PAL (mg/l)
MW-12	Nitrate	0.305	10
	Chloride	4476	N/A
	Fluoride	0.753	4
	Manganese	0.222	N/A
	Total Dissolved Solids	7480	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
	PFOA	14 ng/l	4 ng/l
MW-13	Nitrate	0.305	10
	Chloride	4476	N/A
	Fluoride	0.753	4
	Total Dissolved Solids	7480	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
	Selenium	NE*	0.05
	PFOA	14 ng/l	4 ng/l
MW-15	Nitrate	0.305	10
	Chloride	4476	N/A
	Fluoride	0.753	4

Section D - Groundwater Monitoring

2. b. MW-15	Total Dissolved Solids	7480	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
	PFOA	14 ng/l	4 ng/l
MW-16B	Nitrate	0.237	10
	Chloride	3270	N/A
	Fluoride	1.27	4
	Total Dissolved Solids	5653	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
MW-17B	Ammonia	0.752	N/A
	Nitrate	0.237	10
	Chloride	3270	N/A
	Fluoride	1.27	4
	Total Dissolved Solids	5653	N/A
	bis(2-ethylhexyl) phthalate	NE*	0.006
	Selenium	NE*	0.05
	Nitrite	0.00539	1
	PFOA	14 ng/l	4 ng/l
MW-19B	Ammonia	0.752	N/A
	Chloride	3270	N/A
	Fluoride	1.27	4
	Boron	0.257	2.0**
	Manganese	0.217	N/A
	Total Dissolved Solids	5653	N/A
	Sulfate	16.9	N/A
	Selenium	NE*	0.05
	Iron	0.5	N/A
	PFOA	14 ng/l	4 ng/l
	MW-20B	Ammonia	0.752
Nitrate		0.237	10
Chloride		3270	N/A
Fluoride		1.27	4
Boron		0.257	2.0**
Total Dissolved Solids		5653	N/A
Sulfate		16.9	28.1***
bis(2-ethylhexyl) phthalate		NE*	0.006
Selenium		NE*	0.05
Iron		0.5	N/A
Aluminum		0.118	N/A
Cresol		NE*	N/A
Lead		NE*	0.015
PFOA		14 ng/l	4 ng/l

* Not Established. The permittee shall establish a background and a groundwater standard shall be developed for these parameters upon establishment of background per Section B.

** A deviation and human health based preventative action limit (PAL) has been granted for boron at the site per 47 CSR 57, Section 5 and groundwater standard established per 33 CSR 1, Section 4.11.c.9. The standard is based on the minimum of WV DeMinimus Standards and EPA Region III Default Risk Based Concentrations, or an agency approved site-specific value such as a human health based secondary MCL or other approved risk based value such as an USEPA Lifetime Risk Human Health Advisory value.

*** A deviation and preventative action limit (PAL) has been granted for sulfate at the site per 47 CSR 57, Section 5. An appropriate human health based criteria could not be identified for these parameters therefore continued monitoring under the Phase II program is required to ensure additional contamination remains at pre-2024 observed levels. If the permittee determines that further release of these contaminants is occurring either because multiple subsequent exceedences of the PAL are observed with a statistical increasing trend, then the permittee must make every reasonable effort to identify, remove or mitigate the source of such contamination and strive where practical to reduce the level of contamination over time to support drinking water use of downgradient groundwater.

Section D - Groundwater Monitoring

2. b. **** The permittee may choose to compare the result of a Lower Confidence Limit (LCL) calculation per EPA's "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities" dated March 2009 for compliance purposes. The individual groundwater result shall be reported on the eDMR. If the individual result is above the groundwater standard in Section A of the permit but the LCL is below the groundwater standard in Section A of the permit, the permittee may attach justification to the eDMR that the value is statistically below the groundwater standard and therefore would not be considered a violation of the permit. The permittee may also provide justification, and the exceedance not be considered a violation of the permit, if groundwater standard is exceeded but the permittee is complying with all requirements and timeframes specified in Section D.1.

c. ASSESSMENT OF CORRECTIVE ACTION

The following items, investigated in the Chemours 2018 Assessment of Corrective Measures, require additional investigation / updating at the site and shall be submitted per Section B of the permit:

- 1) The permittee shall develop a groundwater to surface water (Unnamed tributaries and Dry Run) discharge value protective of the narrative human health (0.086 ng/l) based on EPA's April 10, 2024 final toxicity values for PFOA to compare to the groundwater protection standard (4 ng/l) listed above. The permittee shall also evaluate the groundwater to surface water discharge value for arsenic (47 CSR 2 Category A, 0.01 mg/l) and any other parameter that has a potential to impact surface water.
- 2) The permittee shall update nature and extent per 33 CSR 1, Section 4.11.c.7.A.1

The permittee shall add DEP, cresol, selenium, and lead to assessment of corrective action (as appropriate upon establishment of backgrounds and groundwater standards)

The permittee shall complete Assessment of Corrective Action and discuss the results in a public meeting with interested and affected parties per 33 CSR 1, Section 4.11.e.4. A remedy shall then be selected per 4.11.f. Remedies shall be incorporated into the permit via a major modification application.

The permittee shall notify all persons who own the land or reside on the land that directly overlies any part of the plume of contamination if contaminants have migrated off-site. The determination of off site migration shall be determined upon each update of availability of groundwater monitoring data at the site (ex. 1/6 months Section A monitoring or nature and extent monitoring updates). Lack of a monitoring well at the site border / point of compliance or directly on the off site property shall not be justification to delay notification. Interpretive isocontour maps may be used as justification upon approval from the agency; however, if updated isocontour maps show off site migration within a reasonable certainty, notification shall be made.

The permittee shall submit documentation of the notification(s) to the agency.

d. CORRECTIVE ACTION PROGRAM / REMEDY

[Reserved] - See Section B

The herein-described activity is to be extended, modified, added to, made, enlarged, acquired, constructed or installed, and operated, used and maintained strictly in accordance with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0076244; with the plan of maintenance and method of operation thereof submitted with such application(s); and with any applicable rules and regulations promulgated by the Environmental Quality Board and the Secretary of the Department of Environmental Protection.

Failure to comply with the terms and conditions of this permit, with the plans and specifications submitted with Permit Application No. WV0076244; and with the plan of maintenance and method of operation thereof submitted with such application(s) shall constitute grounds for the revocation or suspension of this permit and the invocation of all the enforcement procedures set forth in Chapter 22, Article 11, or 15 of the Code of West Virginia.

This permit is issued in accordance with the provisions of Chapter 22, Article 11 and 12 and/or 15 of the Code of West Virginia and is transferable under the terms of Section 11 of Article 11.

Jeremy W. Bandy, Director

Appendix A

I. MANAGEMENT CONDITIONS:

1. Duty to Comply

- a) The permittee must comply with all conditions of this permit. Permit noncompliance constitutes a violation of the CWA and State Act and is grounds for enforcement action; for permit modification, revocation and reissuance, suspension or revocation; or for denial of a permit renewal application.
- b) The permittee shall comply with all effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

2. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit at least 180 days prior to expiration of the permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

4. Permit Actions

This permit may be modified, revoked and reissued, suspended, or revoked for cause. The filing of a request by the permittee for permit modification, revocation and reissuance, or revocation, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

6. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified as required in Title 47, Series 10, Section 4.6 of the West Virginia Legislative Rules.

7. Transfers

This permit is not transferrable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary.

8. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable specified time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, suspending, or revoking this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

9. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

10. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- a) Enter upon the permittee's premises in which an effluent source or activity is located, or where records must be kept under the conditions of this permit;
- b) Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;
- c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location.

11. Permit Modification

This permit may be modified, suspended, or revoked in whole or in part during its term in accordance with the provisions of Chapter 22-11-12 of the Code of West Virginia.

12. Water Quality

This discharge shall not cause or materially contribute to: distinctly visible floating or settleable solids, suspended solids, scum, foam or oily slicks; deposits or sludge bank on the bottom; odors in the vicinity of the waters; taste or odor that would adversely affect the designated uses of the affected waters; distinctly visible color which may impair or interfere with the designated uses of the affected waters; and shall not cause a fish or mussel kill. The limitations and conditions in this permit for the discharges identified in this permit are limitations and conditions that are necessary to meet applicable West Virginia water quality standards, Requirements Governing Water Quality Standards 47 CSR 2.

13. Outlet Markers

A permanent marker at the establishment shall be posted in accordance with Title 47, Series 11, Section 9 of the West Virginia Legislative Rules.

14. Liabilities

- a) Any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing sections 301, 302, 306, 307, 308 or 405 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both.
- b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 2 years, or by both.
- c) Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 2 years, or by both.
- d) Nothing in I.14 a), b), and c) shall be construed to limit or prohibit any other authority the Director may have under the State Water Pollution Control Act, Chapter 22, Article 11.

II. OPERATION AND MAINTENANCE:

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. Unless otherwise required by Federal or State law, this provision requires the operation of back-up auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of the permit. For domestic waste treatment facilities, waste treatment operators as classified by the WV Bureau of Public Health Laws, W. Va. Code Chapter 16-1, will be required except that in circumstances where the domestic waste treatment facility is receiving any type of industrial waste, the Director may require a more highly skilled operator.

2. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

3. Bypass

- a) Definitions
 - (1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility; and
 - (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of II.3.c) and II.3.d) of this permit.
- c)
 - (1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass;
 - (2) If the permittee does not know in advance of the need for bypass, notice shall be submitted as required in IV.2.b) of this permit.
- d) Prohibition of bypass
 - (1) Bypass is permitted only under the following conditions, and the Director may take enforcement action against a permittee for a bypass, unless;
 - (A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and
 - (C) The permittee submitted notices as required under II.3.c) of this permit.
 - (2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed in II.3.d.(1) of this permit.

4. Upset

- a) Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitation if the requirements of II.4.c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in IV.2.b) of this permit.
 - (4) The permittee complied with any remedial measures required under I.3. of this permit.
- d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Removed Substances

Where removed substances are not otherwise covered by the terms and conditions of this permit or other existing permit by the Director, any solids, sludges, filter backwash or other pollutants (removed in the course of treatment or control of wastewaters) and which are intended for disposal within the State, shall be disposed of only in a manner and at a site subject to the approval by the Director. If such substances are intended for disposal outside the State or for reuse, i.e., as a material used for making another product, which in turn has another use, the permittee shall notify the Director in writing of the proposed disposal or use of such substances, the identity of the prospective disposer or users, and the intended place of disposal or use, as appropriate.

III. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. Reporting

- a) Permittee shall submit, according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration, and/or quantities, the values of the constituents listed in Part A analytically determined to be in the plant effluent(s). DMR submissions shall be made in accordance with the terms contained in Section C of this permit.
- b) Enter reported average and maximum values under "Quantity" and "Concentration" in the units specified for each parameter, as appropriate.
- c) Specify the number of analyzed samples that exceed the allowable permit conditions in the columns labeled "N.E." (i.e., number exceeding).
- d) Specify frequency of analysis for each parameter as number of analyses/specified period (e.g., 3/month is equivalent to 3 analyses performed every calendar month). If continuous, enter "Cont.". The frequency listed on format is the minimum required.

3. Test Procedures

Samples shall be taken, preserved and analyzed in accordance with the latest edition of 40 CFR Part 136, unless other test procedures have been specified elsewhere in this permit.

4. Recording of Results

For each measurement or sample taken pursuant to the permit, the permittee shall record the following information.

- a) The date, exact place, and time of sampling or measurement;
- b) The date(s) analyses were performed;
- c) The individual(s) who performed the sampling or measurement;
- d) The individual(s) who performed the analyses; if a commercial laboratory is used, the name and address of the laboratory;
- e) The analytical techniques or methods used, and
- f) The results of such analyses. Information not required by the DMR form is not to be submitted to this agency, but is to be retained as required in III.6.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at any monitoring point specified in this permit more frequently than required by this permit, using approved test procedures or others as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.

6. Records Retention

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

7. Definitions

- a) "Daily discharge" means the discharge of a pollutant measured during a calendar day or within any specified period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the day.
- b) "Average monthly discharge limitation" means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
- c) "Maximum daily discharge limitation" means the highest allowable daily discharge.
- d) "Composite Sample" is a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall be two hours.
- e) "Grab Sample" is an individual sample collected in less than 15 minutes.
- f) "is" = immersion stabilization - a calibrated device is immersed in the effluent stream until the reading is stabilized.
- g) The "daily average temperature" means the arithmetic average of temperature measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month, or during the operating month if flows are of shorter duration.
- h) The "daily maximum temperature" means the highest arithmetic average of the temperatures observed for any two (2) consecutive hours during a 24 hour day, or during the operating day if flows are of shorter duration.
- i) The "monthly average fecal coliform" bacteria is the geometric average of all samples collected during the month.
- j) "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or which a relationship to absolute volume has been obtained.
- k) "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to pump capabilities, water meters and batch discharge volumes.
- l) "Non-contact cooling water" means the water that is contained in a leak-free system, i.e., no contact with any gas, liquid, or solid other than the container for transport; the water shall have no net poundage addition of any pollutant over intake water levels, exclusive of approved anti-fouling agents.

IV. OTHER REPORTING

1. Reporting Spills and Accidental Discharges

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to Title 47, Series 11, Section 2 of the West Virginia Legislative Rules promulgated pursuant to Chapter 22, Article 11. Attached is a copy of the West Virginia Spill Alert System for use in complying with Title 47, Series 11, Section 2 of the Legislative rules as they pertain to the reporting of spills and accidental discharges.

2. Immediate Reporting

- a) The permittee shall report any noncompliance which may endanger health or the environment immediately after becoming aware of the circumstances by using the Agency's designated spill alert telephone number. A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- b) The following shall also be reported immediately:
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Any upset which exceeds any effluent limitation in the permit; and
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit shall be reported immediately. This list shall include any toxic pollutant or hazardous substance, or any pollutant specifically identified as the method to control a toxic pollutant or hazardous substance.
- c) The Director may waive the written report on a case-by-case basis if the oral report has been received in accordance with the above.
- d) Compliance with the requirements of IV.2 of this section, shall not relieve a person of compliance with Title 47, Series 11, Section 2.

3. Reporting Requirements

- a) Planned changes. The permittee shall give notice to the Director of any planned physical alterations or additions to the permitted facility which may affect the nature or quantity of the discharge. Notice is required when:
 - (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in Section 13.7.b of Series 10, Title 47; or
 - (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under IV.2 of this section.
- b) Anticipated noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- c) In addition to the above reporting requirements, all existing manufacturing, commercial, and silvicultural discharges must notify the Director in writing as soon as they know or have reason to believe:
 - (1) That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, or any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (A) One hundred micrograms per liter (100 ug/l);
 - (B) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitro phenol; and for 2-methyl 4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
 - (C) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.9 of Series 10, Title 47.
 - (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47;
 - (2) That any activity has occurred or will occur which would result in any discharge (on a non-routine or infrequent basis) of a toxic which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (A) Five hundred micrograms per liter (500 ug/l);
 - (B) One milligram per liter (1 mg/l) for antimony;
 - (C) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.7 of Series 10, Title 47;
 - (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47.
 - (3) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a routine or frequent basis of that toxic pollutant at levels which exceed five times the detection limit for that pollutant under approved analytical procedure.
 - (4) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a non-routine or infrequent basis of that toxic pollutant at levels which exceed ten times the detection limit for that pollutant under approved analytical procedure.

4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under the above paragraphs at the time monitoring reports are submitted. The reports shall contain the information listed in IV.2.a). Should other applicable noncompliance reporting be required, these terms and conditions will be found in Section C of this permit.

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 003 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
50050 (ML-1) RF-C Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/6 months	Estimated
00530 (ML-1) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-1) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	N/A	S.U.		1/6 months	Grab
00620 (ML-1) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01104 (ML-1) RF-C Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 003 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00980 (ML-1) RF-C Iron, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-1) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
78141 (ML-1) RF-D Total Toxic Organics (TTO) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/year	Grab
51065 (ML-1) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6.77 Max. Daily	N/A	ug/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 90%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 90%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 90%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 004 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
50050 (ML-1) RF-C Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/6 months	Estimated
00530 (ML-1) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-1) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	N/A	S.U.		1/6 months	Grab
00620 (ML-1) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01104 (ML-1) RF-C Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 004 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00980 (ML-1) RF-C Iron, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-1) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
78141 (ML-1) RF-D Total Toxic Organics (TTO) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/year	Grab
51065 (ML-1) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	1.55 Max. Daily	N/A	ug/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 006 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
50050 (ML-1) RF-B Flow.in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/quarter	Estimated
00310 (ML-1) RF-B BOD, 5-Day 20 Deg.C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00530 (ML-1) RF-B Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	5.5 Avg. Monthly	6.4 Max. Daily	N/A	mg/l		1/quarter	Grab
00400 (ML-1) RF-A pH Year Round	Reported												
	Permit Limits	N/A	N/A			6 Inst. Min.	N/A	9 Inst. Max.	N/A	S.U.		1/month	Grab
00610 (ML-1) RF-B Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00620 (ML-1) RF-B Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 006 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00615 (ML-1) RF-B Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01114 (ML-1) RF-B Lead, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01094 (ML-1) RF-B Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01104 (ML-1) RF-B Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00980 (ML-1) RF-B Iron, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00940 (ML-1) RF-B Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 006
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00951 (ML-1) RF-B Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
61426 (ML-1) RF-D Chronic Tox-Ceriodaphnia Dubia Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	TUc		1/year	24 hr Composite
61428 (ML-1) RF-D Chronic Toxicity - Pimephales Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	TUc		1/year	24 hr Composite
00981 (ML-1) RF-B Selenium, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00978 (ML-1) RF-B Arsenic, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
70295 (ML-1) RF-B Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 006
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
82057 (ML-1) RF-B Boron, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
39100 (ML-1) RF-B BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/quarter	Grab
11123 (ML-1) RF-B Total Recov. Manganese Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
81020 (ML-1) RF-B Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01059 (ML-1) RF-B Thallium, Total (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
51065 (ML-1) RF-A PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	2 Avg. Monthly	4 Max. Daily	N/A	NG/L		1/month	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 100%; height: 20px;" type="text"/>
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 006 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
79778 (ML-1) RF-B	Reported												
Cresol Year Round	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 100%; height: 20px;" type="text"/>	
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>	

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
50050 (ML-P) RF-C Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/6 months	Estimated
00310 (ML-P) RF-C BOD, 5-Day 20 Deg.C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00530 (ML-P) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-P) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00610 (ML-P) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-P) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00615 (ML-P) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01002 (ML-P) RF-C Arsenic, Total (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
71900 (ML-P) RF-C Mercury, Total (as Hg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00900 (ML-P) RF-C Hardness, Total (as CaCO3) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01055 (ML-P) RF-C Manganese, Total (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00940 (ML-P) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00951 (ML-P) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01027 (ML-P) RF-C Cadmium, Total (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01042 (ML-P) RF-C Copper, Total (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01105 (ML-P) RF-C Aluminum, Total (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
34030 (ML-P) RF-C Benzene Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01051 (ML-P) RF-C Lead, Total (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
01034 (ML-P) RF-C Chromium, Total (as Cr) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01077 (ML-P) RF-C Silver, Total (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
85811 (ML-P) RF-C Chloroethane Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01147 (ML-P) RF-C Selenium, Total (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00929 (ML-P) RF-C Sodium, Total (as Na) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01007 (ML-P) RF-C Barium, Total (as Ba) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
34010 (ML-P) RF-C Toluene Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
70295 (ML-P) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01097 (ML-P) RF-C Antimony, Total (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01062 (ML-P) RF-C Molybdenum, Total (as Mo) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
82057 (ML-P) RF-C Boron, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00720 (ML-P) RF-C Cyanide, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00095 (ML-P) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
01092 (ML-P) RF-C Zinc, Total (as Zn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
39100 (ML-P) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
34043 (ML-P) RF-C Phenolics, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00916 (ML-P) RF-C Calcium, Total (as Ca) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-P) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
01045 (ML-P) RF-C Iron, Total (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01067 (ML-P) RF-C Nickel, Total (as Ni) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01087 (ML-P) RF-C Vanadium, Total (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81020 (ML-P) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81017 (ML-P) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00927 (ML-P) RF-C Magnesium, Tot (as Mg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
01059 (ML-P) RF-C Thallium, Total (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-P) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00937 (ML-P) RF-C Potassium, Total (as K) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
71880 (ML-P) RF-C Formaldehyde Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
51065 (ML-P) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01152 (ML-P) RF-C Total Titanium (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM1 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
79778 (ML-P) RF-C	Reported													
Cresol Year Round	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 LEACHATE ANALYSIS REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 LM2 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-P) RF-C	Reported												
PFOA	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
Year Round													

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Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>	

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4476 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	7480 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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MONITORING WELL REPORT

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.222 Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

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 PERMIT NO.: WV0076244 MW-12 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round Interim: 9/1/2024 to 8/31/2026	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	NG/L		1/6 months	Grab	
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	14 Max. Daily	N/A	NG/L		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-12A
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-12A
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/> Title of Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 100%; height: 20px;" type="text"/> Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>
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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-12A
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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 PERMIT NO.: WV0076244 MW-12A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-12B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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MONITORING WELL REPORT

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 PERMIT NO.: WV0076244 MW-12B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-12B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-12B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-12B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-13
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-13
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4476 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	7480 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-13 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
01087 (ML-O) RF-C Vanadium, Total (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input style="width: 95%;" type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round Interim: 9/1/2024 to 8/31/2026	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	NG/L		1/6 months	Grab	
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	14 Max. Daily	N/A	NG/L		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-13A
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-13A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 [MW-13A](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
01087 (ML-O) RF-C Vanadium, Total (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-14 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
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MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-14 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-15 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4476 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	7480 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-15 INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-15 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round Interim: 9/1/2024 to 8/31/2026	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	NG/L		1/6 months	Grab	
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	14 Max. Daily	N/A	NG/L		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-16B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 [MW-16B](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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MONITORING WELL REPORT

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 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-16B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-16B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-16B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 [MW-17B](#)
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round Interim: 9/1/2024 to 8/31/2026	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-17B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	1 Max. Daily	N/A	mg/l		1/6 months	Grab
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 95%;" type="text"/>

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	<input type="text"/>
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-17B _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
51065 (ML-O) RF-C PFOA Year Round Interim: 9/1/2024 to 8/31/2026	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	NG/L		1/6 months	Grab
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	14 Max. Daily	N/A	NG/L		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-18B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-18B _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/> Title of Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/> Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>
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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-18B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-18B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-18B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-18B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Title of Officer		Signature of Principal Executive Officer or Authorized Agent	<input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 [MW-19B](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.217 Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 [MW-19B](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	16.9 Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	2 Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-19B
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-19B _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round Interim: 9/1/2024 to 8/31/2026	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	NG/L		1/6 months	Grab	
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	14 Max. Daily	N/A	NG/L		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-20B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.752 Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	10 Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-20B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	3270 Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	4 Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	5653 Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.118 Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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 PERMIT NO.: WV0076244 MW-20B INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	6 Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.5 Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.015 Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Winter Dec 1-Feb 28	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	28.1 Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.05 Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	2 Max. Daily	N/A	mg/l		1/6 months	Grab

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-20B
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units	N.E.			
51065 (ML-O) RF-C PFOA Year Round Interim: 9/1/2024 to 8/31/2026	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	NG/L		1/6 months	Grab	
51065 (ML-O) RF-C PFOA Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	14 Max. Daily	N/A	NG/L		1/6 months	Grab	
79778 (ML-O) RF-C Cresol Year Round	Reported													
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab	

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STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC
 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-21A
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Name of Principal Executive Officer <input style="width: 90%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 90%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 90%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
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 LOCATION OF FACILITY: LUBECK; Wood County
 PERMIT NO.: WV0076244 MW-21A
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 80%; height: 20px;" type="text"/>
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-21A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MONITORING WELL REPORT

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 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-21A
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 [MW-21A](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 PERMIT NO.: WV0076244 [MW-21A](#) INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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STATE OF WEST VIRGINIA
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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: LUBECK; Wood County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0076244 MW-6A INDIVIDUAL PERFORMING ANALYSIS: _____
 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00530 (ML-O) RF-C Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00400 (ML-O) RF-C pH Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	S.U.		1/6 months	Grab
00300 (ML-O) RF-C Dissolved Oxygen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00610 (ML-O) RF-C Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00620 (ML-O) RF-C Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00615 (ML-O) RF-C Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
00940 (ML-O) RF-C Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00951 (ML-O) RF-C Fluoride, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
70295 (ML-O) RF-C Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01106 (ML-O) RF-C Aluminum, Diss. (as Al) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00095 (ML-O) RF-C Specific Conductance Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	UMHO/CM		1/6 months	Grab
00010 (ML-O) RF-C Temperature, C Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.C		1/6 months	Grab

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STATE OF WEST VIRGINIA
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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
39100 (ML-O) RF-C BIS(2-Ethylhexyl) Phthalate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
01040 (ML-O) RF-C Copper, Diss. (as Cu) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01046 (ML-O) RF-C Iron, Dissolved (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01049 (ML-O) RF-C Lead, Dissolved (as Pb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01056 (ML-O) RF-C Manganese, Diss. (as Mn) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00680 (ML-O) RF-C Total Organic Carbon Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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FACILITY NAME: (Dry Run Landfill) THE CHEMOURS COMPANY FC, LLC CERTIFIED LABORATORY NAME: _____
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 WASTELOAD FOR THE MONTH OF: _____

Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81020 (ML-O) RF-C Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01085 (ML-O) RF-C Vanadium, Diss. (as V) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01000 (ML-O) RF-C Arsenic, Dissolved (as As) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01025 (ML-O) RF-C Cadmium, Dissolved (as Cd) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01145 (ML-O) RF-C Selenium, Diss. (as Se) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01020 (ML-O) RF-C Boron, Dissolved (as B) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL *	Units			N.E.
81017 (ML-O) RF-C Chem. Oxygen Demand Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01057 (ML-O) RF-C Thallium, Dissolved (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01010 (ML-O) RF-C Dissolved Beryllium Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01095 (ML-O) RF-C Antimony, Dissolved (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
01075 (ML-O) RF-C Silver, Dissolved (as Ag) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
00410 (ML-O) RF-C Alkalinity, Total Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

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Parameter		Quantity				Other Units					Measurement Frequency	Sample Type	
				Units	N.E.				CEL*	Units			N.E.
51065 (ML-O) RF-C PFOA Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/6 months	Grab
79778 (ML-O) RF-C Cresol Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <input style="width: 100%; height: 20px;" type="text"/>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <input style="width: 100%; height: 20px;" type="text"/>	
Title of Officer <input style="width: 100%; height: 20px;" type="text"/>		Signature of Principal Executive Officer or Authorized Agent <input style="width: 100%; height: 40px;" type="text"/>	

**EMERGENCY RESPONSE SPILL ALERT SYSTEM
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

REQUIREMENTS:

Title 47, Series 11, Section 2 of the West Virginia Legislative Rules, Environmental Protection, Water Resources - Waste Management, Effective July 1, 1994.

RESPONSIBILITY FOR REPORTING:

Each and every person who may cause or be responsible for any spill or accidental discharge of pollutants into the waters of the State shall give immediate notification to the Division of Water and Waste Management's Emergency Notification Number, 1-800-642-3074. Such notification shall set forth insofar as possible and as soon thereafter as practical the time and place of such spill or discharge, type or types and quantity or quantities of the material or materials therein, action or actions taken to stop such spill or discharge and to minimize the polluting effect thereof, the measure or measures taken or to be taken in order to prevent a recurrence of any such spill or discharge and such additional information as may be requested by the Division of Water and Waste Management. This also applies to spills to the waters of the State resulting from accidents to common carriers by highway, rail and water.

It shall be the responsibility of each industrial establishment or other entity discharging directly to a stream to have available the following information pertaining to those substances that are employed or handled in its operation in sufficiently large amounts as to constitute a hazard in case of an accidental spill or discharge into a public stream:

- (1) Potential toxicity in water to man, animals and aquatic life;
- (2) Details on analytical procedures for the quantitative estimation of such substances in water and
- (3) Suggestions on safeguards or other precautionary measures to nullify the toxic effects of a substance once it has gotten into a stream.

Failure to furnish such information as required by Section 14, Article 11, Chapter 22, Code of West Virginia may be punishable under Section 24, Article 11, Chapter 22, and/or Section 22, Article 11, Chapter 22, Code of West Virginia.

It shall be the responsibility of any person who causes or contributes in any way to the spill or accidental discharge of any pollutant or pollutants into State waters to immediately take any and all measures necessary to contain such spill or discharge. It shall further be the responsibility of such person to take any and all measures necessary to clean-up, remove and otherwise render such spill or discharge harmless to the waters of the State.

When the Director determines it necessary for the effective containment and abatement of spills and accidental discharges, the Director may require the person or persons responsible for such spill or discharge to monitor affected waters in a manner prescribed by the Director until the possibility of any adverse effect on the waters of the State no longer exists.

VOLUNTARY REPORTING BY LAW OFFICERS, U. S. COAST GUARD, LOCK MASTERS AND OTHERS:

In cases involving river and highway accidents where the responsible party may or may not be available to report the incident, law officers, U. S. Coast Guard, Lock Masters and other interested person(s) should make the report.

WHO TO CONTACT:

Notify the following number: **1-800-642-3074**

INFORMATION NEEDED:

- Source of spill or discharge
- Location of incident
- Time of incident
- Material spilled or discharged
- Amount spilled or discharged
- Toxicity of material spilled or discharged
- Personnel at the scene
- Actions initiated
- Shipper/Manufacturer identification
- Railcar/Truck identification number
- Container type

RIGHT OF APPEAL

Notice is hereby given of your right to appeal the terms and conditions of this permit which you are aggrieved by to the Environmental Quality Board by filing a NOTICE OF APPEAL on the form prescribed by such Board for this purpose, with the Board, in accordance with the provisions of Section 21, Article 11, Chapter 22 of the Code of West Virginia within thirty (30) days after the date of receipt of the above permit.

NOTICE TO PERMITTEES

The 1999 regular session of the West Virginia legislature revised the Water Pollution Control Act, Chapter 22, Article 11, Section 10 of the Code of West Virginia relating to fees associated with permits. This section of the Code requires all holders of a State water pollution control permit or a national pollutant discharge elimination system permit to be assessed an annual permit fee, based upon rules promulgated by the Secretary of the Department of Environmental Protection. The Secretary has promulgated a final rule in accordance with the code revision to this effect and these rules were effective May 4, 2000. The rules establish an annual permit fee based upon the relative potential to degrade the waters of the State which, in most instances, relate to volume of discharge. However, for sewage facilities, the annual permit fee is based upon the number of customers served by the facility. You may contact the Secretary of State's Office, State Capitol Building, Charleston, WV 25305, to obtain a copy of the rules. The reference is Title 47, Legislative Rules, Department of Environmental Protection, Division of Water Resources, Series 26 Water Pollution Control Permit Fee Schedules.

Based upon the volume of discharge for which your facility is currently permitted, the number of customers served by your facility or for the category you fall within, pursuant to Section 7 of Title 47, Series 26, your annual permit fee is **\$5000.00**. This fee is due no later than the anniversary date of permit issuance in each year of the term of the permit or in the case of coverage under a general permit, the fee is due no later than the anniversary date of your coverage under the general permit. **You will be invoiced by this agency at the appropriate time for the fee.** Failure to submit the annual fee within ninety(90) days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect.

STATE OF WEST VIRGINIA

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER & WASTE MANAGEMENT**

FACT SHEET ADDENDUM

**Chemours Dry Run Landfill
Permit Number: WV0076244**

NAME AND ADDRESS OF THE APPLICANT

The Chemours Company, LLC
1007 Market St.
Wilmington, DE 19898

NAME AND ADDRESS OF THE FACILITY

Dry Run Landfill
789 Dry Run Lane
Washington, WV 26181

COUNTY

Wood

GENERAL DESCRIPTION OF FACILITY

E.I. DuPont de Nemours and Company utilized a solid waste disposal facility referenced as the Dry Run landfill consisting of approximately 18 acres from 1984 through March 2006 for the disposal of waste materials derived from their Washington Works facility located in Washington, WV, Ravenswood Polymers, and Little Hocking Service Center facilities.

TYPE AND QUANTITY OF SOLID WASTES

Solid waste as defined in W.Va. Code Chapter 22, Article 15, Section 2(30) and Section 2(31) and as listed in 33CSR1 Subsection 2.116. and 33CSR1 Subsection 2.119. Wastes disposed consisted primarily of inert acrylic polymer sludge, inert mixed plastics, ash derived from the burning of coal and plant trash, and calcium chloride sludge.

BASIS FOR PERMIT CONDITIONS

Renewal (33CSR1 Subdivision 3.5.c. "Term of Permit")

Information regarding PFOA toxicity (revised)

This information is being utilized in this permit reissuance to assess legacy PFOA levels contained in discharges in this permit.

Limitations must control all pollutants which may be discharged at a level which will cause, or have the reasonable potential to cause, or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality. Additionally, where a State has not established a water quality criterion for a specific chemical pollutant that is present in an effluent at a concentration that causes, has the reasonable potential to cause, or contributes to an excursion above a narrative criterion within an applicable State water quality standard, the permitting authority must establish effluent limits. In determining an appropriate value to be protective of narrative criterion, risk assessment data may be considered. West Virginia does not currently have any numeric water quality criteria prescribed for PFOA. However, the agency does have concerns with the toxicity from PFOA and its impact on the narrative water quality criteria found in 47 CSR 2, Section 3.2.e which prohibits discharges from discharging materials in concentrations which are harmful to or toxic to man, animal, or aquatic life. Therefore, the agency does possess a narrative water quality criterion which can be used for limiting specific pollutants where the State has no numeric criteria for those pollutants.

In 2022, the US EPA updated its human health advisory level for PFOA which was developed using risk assessment procedures. EPA's health advisories are based on the best available peer-reviewed studies of the effects of PFOA and PFOS (perfluorooctanesulfonic acid) on laboratory animals (rats and mice) and were also informed by epidemiological studies of human populations that have been exposed to perfluoroalkyl substances (PFASs). These studies indicate that exposure to PFOA and PFOS over certain levels may result in adverse health effects, including developmental effects to fetuses during pregnancy or to breastfed infants (e.g., low birth weight, accelerated puberty, skeletal variations), cancer (e.g., testicular, kidney), liver effects (e.g., tissue damage), immune effects (e.g., antibody production and immunity), thyroid effects and other effects (e.g., cholesterol changes). The US EPA established a human health advisory level of 0.004 nanograms per liter (ng/L) or parts per trillion (ppt) for PFOA + PFOS combined.

On April 10, 2024, the EPA published the final toxicity values for PFOA (https://www.epa.gov/system/files/documents/2024-04/main_final-toxicity-assessment-for-pfoa_2024-04-09-refs-formatted.pdf) which include all isomers and nonmetal salts to be used by EPA, states, Tribes, and local communities, along with specific exposure and other relevant information, to determine, under the appropriate regulations and statutes, the potential risk associated with human exposures to PFOA, its isomers, and its nonmetal salts.

The toxicity assessment for PFOA is a scientific report that describes the evaluation of the available animal toxicity and human epidemiology data in order to characterize noncancer and cancer human health hazards. This assessment also includes final toxicity values associated with noncancer health effects (i.e., oral reference doses, or RfDs) and cancer effects (i.e., cancer slope factors, or CSFs) following oral PFOA exposure. EPA followed agency guidelines and methodologies for risk assessment in determining points of departure (PODs) for the derivation of the RfDs for PFOA (U.S. EPA, 2022d, 2014, 2012a, 2011b, 2002b) and performed modeling following EPA's Benchmark Dose Technical Guidance Document (U.S. EPA, 2012a).

The co-critical effects for the oral RfD of 3×10^{-8} mg/kg/day were decreased serum anti-tetanus and anti-diphtheria antibody concentrations in children, decreased infant birth weight, and

increased total cholesterol in adults. These co-critical effects were selected based on the procedures outlined in the protocol and consistent with EPA peer-reviewed human health risk assessment methodology. The RfD was derived by using a total UF of 10 to account for intraspecies variability (UFH). Notably, the RfD is protective of effects that may occur in sensitive populations (i.e., embryo and fetus, infants, and young children), as well as hepatic effects in adults that may result from PFOA exposure. As two of the co-critical effects identified for PFOA are developmental endpoints and can potentially result from a short-term exposure during critical periods of development, EPA concludes that the overall RfD for PFOA is applicable to both short-term and chronic risk assessment scenarios.

To select an overall CSF, EPA focused on the CSFs derived from the epidemiological data consistent with the IRIS Handbook which states “when both laboratory animal data and human data with sufficient information to perform exposure-response modeling are available, human data are generally preferred for the derivation of toxicity values” (U.S. EPA, 2022d). EPA selected the critical effect of renal cell carcinomas in human males as the basis of the overall CSF for PFOA. The resulting overall CSF for PFOA 29,300 (mg/kg/day) –1.

The previously final 2022 Human Health Advisory level for PFOA was rescinded and re-published as 2022 Interim Updated PFOA and PFOS Health Advisories. The methodology to calculate the lifetime protective value was not modified and indicated that the States should follow past procedures to establish a human health based risk based protection value. Narrative water quality in a NPDES permit is also required to be evaluated, on a case by case basis, per 40 CFR 122.44. WVDEP has historically used USEPA's Human Health Advisory Lifetime protection and the lifetime human health protection risk process, at a cancer risk of 1×10^{-6} in its NPDES, Solid Waste, and RCRA Hazardous Waste Management issued permits in WV/NPDES Individual Permit Nos. WV0020371 (perchlorate, 2013), (HMX and RDX, 2021); WV0001279 (PFOA and GenX, 2018); WV0000132 (1,4-dioxane, 2016); WV0112755 (Boron, 2023); WV0050776 (Boron, 2023), Draft Permit WV0076244 (Boron, 2024); and WVD005012851 (1,4-dioxane, 2024).

As such the agency has recalculated the lifetime protection value(s) based on the 2022 final human health (now interim) advisory calculation process and assumptions (DWI-BW and UFs) utilizing the revised 2024 final toxicity Rfd and CSF. The permittee may propose alternate site specific risk based assumptions based on EPA and/or WVDEP methodology for review via a major permit modification request.

A reasonable potential evaluation was performed on the revised narrative water quality values. The discharge indicates a reasonable potential to exceed the narrative criteria at the end of the pipe and therefore limitations are imposed. A compliance evaluation has been granted based on the minimum level of the now final EPA Method 1633.

Groundwater Monitoring / Corrective Action Program (revised)

The permittee indicated in the comment letter that additional time is needed to finalize Assessment of Corrective Action, hold a public hearing, and select a Remedy per 33 CSR 1,

Section 4.11. The agency is granting the additional time to ensure that all parameters are evaluated for the remedy. Section B has been revised.

Miscellaneous Revisions

Clarification on compliance of statistical exceedances of groundwater were added to Section A and Section D.2.b

Section C.18 has been removed from the permit.

Section C.22 was revised per the comment letter.

Performance based limits were revised based on newer DMR data.

References to draft EPA Method 1633 were revised.

JUSTIFICATION FOR VARIANCES / WAIVERS

N/A - no waivers or variances have been granted for this facility.

WATER QUALITY BASED EFFLUENT LIMITATIONS

v 10.2

Dry Run Landfill

Outlet: 006

Stream: Dry Run

Hardness (mg/l):	100	Instream Waste %:	100.00
Temperature (°C):	27	ZID:	1.0
pH:	7.3	CMZ:	1.0
Stream 1Q10 (CFS):	NA	HH CMZ:	1.0
Stream 7Q10 (CFS):	0	HHA 1/2 Mile Rule CMZ:	1.0
Effluent Flow (MGD):	0.036227		

PARAMETER	Baseline Water Quality (mg/l)	Stream Background (mg/l)	End of Pipe WQC RP	RWC WQC RP	Average Monthly Limit (mg/l)	Maximum Daily Limit (mg/l)	Tier Protection Level
Aluminum	NA	NA	No	No	Monitor	Monitor	Tier 1
Ammonia	NA	NA	No	No	Monitor	Monitor	Tier 1
Barium	NA	NA	No	No	Monitor	Monitor	Tier 1
Chloride	NA	NA	No	No	Monitor	Monitor	Tier 1
Fluoride	NA	NA	No	No	Monitor	Monitor	Tier 1
Iron	NA	NA	No	No	Monitor	Monitor	Tier 1
Nitrate (as Nitrate-N)	NA	NA	No	No	Monitor	Monitor	Tier 1
Thallium	NA	NA	No	No	Monitor	Monitor	Tier 1
Zinc	NA	NA	No	No	Monitor	Monitor	Tier 1
Sulfate	NA	NA	No	No	Monitor	Monitor	Tier 1
WET - Ceriodaphnia Dubia	NA	NA	Yes	No	Monitor	Monitor	Tier 1
WET - Pimephales Promelas	NA	NA	Yes	No	Monitor	Monitor	Tier 1
Boron	NA	NA	No	No	Monitor	Monitor	Tier 1
Magnesium	NA	NA	No	No	Monitor	Monitor	Tier 1
Molybdenum	NA	NA	No	No	Monitor	Monitor	Tier 1
PFOA	NA	NA	Yes	Yes	8.6E-08	3.0E-07	Tier 1

Outfall discharges to Ohio River and is subject to ORSANCO Pollution Control Standards:	No
Outfall discharges to a Trout Stream:	No
Outfall discharges to a stream exempt from Human Health A Criteria:	No
Outfall discharges to a stream exempt from all Human Health Criteria:	No
Outfall discharges within 1/2 mile upstream of a public drinking water intake:	No
Outfall has limitations for at least one metal using a site specific translator:	No
Outfall has Tier 2.0 antidegradation limitations for at least one pollutant:	No

PERFORMLIM

PERFORMANCE-BASED EFFLUENT LIMITS					Outlet 006 - TSS	
USE EXCEL TO PERFORM THE LOGNORMAL TRANSFORMATION						
AND CALCULATE THE TRANSFORMED MEAN AND VARIANCE						
LOGNORMAL TRANSFORMED MEAN =					1.6182	
LOGNORMAL TRANSFORMED VARIANCE =					0.0103	
NUMBER OF SAMPLES/MONTH FOR COMPLIANCE MONITORING =					4	
AUTOCORRELATION FACTOR(ρ)(USE 0 IF UNKNOWN) =					0	
			n>10	E(X)	5.0701	5.0701
			n>10	V(X)	0.265	0.265
			n<10	σ_n^2	0.0026	N/A
			n<10	μ_n	1.6221	N/A
			n>10	V(X_n)	0.066	N/A
				X.95=	5.505	N/A
				X.99=	N/A	6.385
				VF=	1.087	1.259
MAXIMUM DAILY EFFLUENT LIMIT =					N/A	6.39278
AVERAGE MONTHLY EFFLUENT LIMIT =					5.51843	N/A



The Chemours Company
1007 Market Street
PO Box 2047
Wilmington, DE 19899

302-773-1000 t
chemours.com

April 17, 2024

Mr. Kenneth Wandling
West Virginia Department of Environmental Protection
Division of Water and Waste Management
Solid Waste Management
601 57th Street SE
Charleston, WV 25304

RE: WV Solid Waste / NPDES Permit No. WV0076244 – Comments to Draft Permit - Chemours Dry Run Landfill, Lubeck, WV

Dear Mr. Wandling:

The Chemours Company FC, LLC (Chemours) has reviewed the Proposed Dry Run Landfill Solid Waste/NPDES Permit WV0076244 (Draft Permit) issued for Public Notice by the West Virginia Department of Environmental Protection (WVDEP) on March 11 and March 18, 2024. Please see the attached comments being submitted on behalf of Chemours in response to the Draft Permit. As stated in the attached, Chemours requests a meeting with WVDEP to discuss these comments before final issuance of the permit.

If you have any questions or need additional information, please contact me via e-mail Bradley.S.Nave@Chemours.com or phone at (812) 406-7117.

Sincerely,

A handwritten signature in black ink that reads "Bradley S. Nave". The signature is written in a cursive, flowing style.

Bradley S. Nave
Remediation Principal Project Manager
Chemours Corporate Remediation Group

Attachments:

- Chemours Comments to Draft WV0076244 Permit

Cc: John Lockhart, WVDEP
Tom Ei, Chemours
Patrick Morrison, AECOM

**Chemours Response to West Virginia Department of Environmental Protection
(WVDEP) Proposed Dry Run Landfill Solid Waste/NPDES Permit WV0076244
[Issued for Public Notice on March 11 & March 18, 2024]**

INTRODUCTION

The Chemours Company FC, LLC (Chemours) appreciates the opportunity to comment on the Proposed Dry Run Landfill Solid Waste/NPDES Permit WV0076244 (Draft Permit) issued for Public Notice by WVDEP on March 11 and March 18, 2024. The Draft Permit proposes numerous unsupported changes from the existing Permit that warrant further evaluation by WVDEP regarding their appropriateness and technical feasibility.

Chemours provides the below comments to the Draft Permit based on currently available information. While specificity is provided in the comments, Chemours' comments focus on three primary areas of the Draft Permit that represent significant changes from the current Permit:

1. Use of United States Environmental Protection Agency (EPA)'s June 2022 Perfluorooctanoic Acid (PFOA) lifetime Interim Health Advisory (IHA) value of 0.004 parts per trillion (ppt) as a narrative water quality-based limitation for Outlet 006 and in the groundwater assessment.
2. Elimination of the previously permitted valve system (authorized alternative stormwater discharge) and procedure for the Outlet 006 sedimentation pond during excessive rain events.
3. Several changes to the onsite groundwater monitoring program along with the introduction of an offsite groundwater monitoring program.

These three primary areas equate to a fundamental change from the current treatment system design and operations as well as the site monitoring program. As noted throughout the comments, Chemours requests changes to the Draft Permit with respect to these unsupported terms and conditions, including schedules of compliance to conduct evaluations to appropriately address select conditions and limits in the Draft Permit. Before the final Permit is issued, Chemours respectfully requests to meet with WVDEP about these comments.

Comments:

- 1. WVDEP's Use of an Interim Health Advisory Value for PFOA to Protect the Narrative Criterion for Water Quality is Unsupported and Premature.**

Per Section A.006 of the Draft Permit and the accompanying Fact Sheet, WVDEP proposes to use EPA's June 2022 PFOA IHA value of 0.004 ppt as the narrative criterion for surface water. Applying the IHA, WVDEP proposes to reduce the average monthly discharge limit for PFOA at Outlet 006 to 0.004 ppt and to reduce the maximum daily limit to 0.014 ppt. As explained below, WVDEP's use of an IHA value for PFOA is both unsupported and premature.

EPA's Health Advisory (HA) program establishes Drinking Water HAs for contaminants that are not subject to a National Primary Drinking Water Regulation (NPDWR). EPA issued a HA for PFOA in 2016 and an updated IHA in June 2022 as there was no NPDWR for the contaminant at the

**Chemours Comments to Draft WV0076244 Permit
April 17, 2024**

time. EPA's Technical Fact Sheet¹ states that HA values are "non-enforceable and nonregulatory and provide technical information to drinking water system operators, as well as federal, state, tribal, and local officials on health effects, analytical methods, and treatment technologies associated with drinking water contamination." EPA's official publication of the Interim Drinking Water Health Advisory for PFOA² from June 2022 states that an "interim" HA was issued in 2022 in lieu of a final HA since the input values used to derive the IHA were "draft values." EPA's guidance specific to the 2022 PFOA IHA stated that the "interim health advisories will remain in place until EPA establishes a National Primary Drinking Water Regulation"³ at which time the EPA may "update or remove the interim health advisories."⁴

On April 10, 2024, EPA announced the final NPDWR Maximum Contaminant Level (MCL) in drinking water for PFOA of 4 ppt to be enforced, once effective and pursuant to its compliance terms, on a rolling annual average basis for public drinking water supplies.⁵ EPA did not directly address the future applicability or utility of the PFOA IHA in its MCL NPDWR rulemaking or in its Responses to Public Comments on the NPDWR, stating only that "EPA's disposition of its HAs is beyond the scope of this action. The agency is considering options for 2022 interim HAs for PFOA and PFOS."⁶ The response document also reaffirmed in multiple comment responses that the HAs are non-enforceable and serve to provide technical information.

Adopting the IHA as the narrative water quality criterion for PFOA in the Draft Permit is contrary to the state's requirements for permitting PFOA at Dry Run Landfill and WVDEP has not adequately explained or justified its proposal to do so. As explained above, the PFOA IHA, derived from preliminary data, was never intended by EPA as a substitute for water quality criterion adoption. It is only a placeholder, until adoption of an MCL, which itself is not intended by EPA to be applied as a water quality criterion outside of the drinking water context. In addition, as explained below, WVDEP has not undertaken the necessary scientific and regulatory steps to justify 0.004 ppt as the appropriate PFOA criterion. Using the PFOA IHA as the water quality criterion for setting a permit limit is also unnecessary in the context of the Dry Run permit renewal, since the existing permit contains effluent limits for PFOA that have been in

¹ U.S. EPA, *Technical Fact Sheet: Drinking Water Health Advisories for Four PFAS (PFOA, PFOS, GenX chemicals, and PFBS)*, EPA 822-F-22-002 (June 2022), <https://www.epa.gov/system/files/documents/2022-06/technical-factsheet-four-PFAS.pdf>

² U.S. EPA, *INTERIM Drinking Water Health Advisory: Perfluorooctanoic Acid (PFOA) CASRN 335-67-1*, EPA-822-R-22-003 (June 2022), <https://www.epa.gov/system/files/documents/2022-06/interim-pfoa-2022.pdf>

³ US EPA, *Drinking Water Health Advisories for PFOA and PFOS*, (April 2024), <https://www.epa.gov/sdwa/drinking-water-health-advisories-pfoa-and-pfos>

⁴ US EPA, *Questions and Answers: Drinking Water Health Advisories for PFOA, PFOS, GenX Chemicals and PFBS*, (February 2024), <https://www.epa.gov/sdwa/questions-and-answers-drinking-water-health-advisories-pfoa-pfos-genx-chemicals-and-pfbs>

⁵ US EPA, *Per- and Polyfluoroalkyl Substances (PFAS) Final PFAS National Primary Drinking Water Regulation*, (April 2024), <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>

⁶ US EPA, *Responses to Public Comments on Per- and Polyfluoroalkyl Substances (PFAS) National Primary Drinking Water Regulation Rulemaking, "Safe Drinking Water Branch, Hawaii Department of Health (Doc. #1801, SBC-043757)" Page 1191*, EPA 815-R-24-005 (April 2024) https://www.epa.gov/system/files/documents/2024-04/pfas-comment-response-document_final-508_v2.pdf

Chemours Comments to Draft WV0076244 Permit
April 17, 2024

place since 2019 and there has been no demonstration that they do not meet the state's water quality criterion.

WVDEP's proposal to adopt the PFOA IHA for the Draft Permit is also unsupported, as WVDEP has not explained how it determined that the IHA is the most appropriate narrative criterion. To do so, WVDEP must validate the data that was used to develop the IHA and demonstrate that it is applicable to Dry Run Landfill. In that regard, it should be noted that the studies and methodology used to calculate the IHA value have been the subject of several peer-reviewed scientific papers that question their validity. Such examples of scientific papers include:

- *Range of the perfluorooctanoate (PFOA) safe dose for human health: An international collaboration*, Regulatory Toxicology and Pharmacology, Burgoon et al., October 29, 2023 [<https://doi.org/10.1016/j.yrtph.2023.105502>]
- *Weight of evidence evaluation for chemical-induced immunotoxicity for PFOA and PFOS: findings from an independent panel of experts*, Critical Reviews in Toxicology, Garvey, et. al., March 15, 2023 [<https://doi.org/10.1080/10408444.2023.2194913>]

The PFOA IHA is an inappropriate level at which to establish a water quality-based effluent limit. But even if it were potentially applicable, WVDEP still must follow the proper procedures for justifying it as a limit. There is currently no numeric water quality criterion for PFOA in 47 CSR 2, Appendix E. Therefore, for WVDEP to develop a criterion for PFOA and apply it in the Draft Permit the agency must first establish a narrative water quality criterion in accordance with 47 CSR 2-3.2.e by demonstrating that the limit is necessary to prevent "materials in concentrations which are harmful, hazardous or toxic to man, animal or aquatic life". That cannot be done by simply appropriating an IHA that is developed under the NPDWR and using it as a surface water criterion to calculate an effluent limit, with no evaluation of the degree of toxicity at that level, or how the criterion should be applied in Dry Run.

The West Virginia Environmental Quality Board (EQB or Board) has considered what WVDEP proposes to do here and has rejected it. In *City of White Sulphur Springs and Town of Hillsboro v. Director, Division of Water and Waste Management, West Virginia Department of Environmental Protection*, Appeal Nos. 09-05-EQB and 09-06-EQB (July 15, 2010), the Board stated that "[t]he Board believes that the narrative water quality standards empower WVDEP to take enforcement actions and impose permit limits. However, the process for imposing the limits must be followed and the limits and permit conditions must have clear standards for how compliance is to be evaluated." In that case, the Board found that "the WVDEP quickly grabbed some permit limits based on the narrative water quality standards, threw them into some permits, and called its job done." *City of White Sulphur Springs* at 5-6. Proper derivation of a narrative water quality criterion for PFOA in Dry Run will require more evaluation than simply declaring an IHA to be a narrative water quality criterion.

Any rush by WVDEP to use the newly-issued MCL for PFOA as the narrative water quality criterion would be similarly flawed. Comments submitted on the MCL for PFOA raise concerns about the studies and data that were used to justify the NPDWR or lapses in the procedural

Chemours Comments to Draft WV0076244 Permit
April 17, 2024

process through which it was promulgated, and the rule has not become effective yet. Moreover, WVDEP has an obligation to review the data underlying the PFOA MCL and determine whether it is suitable as a narrative water quality criterion at Dry Run Landfill. Until it does so, using the new PFOA MCL in the same manner that WVDEP has proposed to use the PFOA IHA would be improper. Therefore, Chemours requests that the Draft Permit be issued with current PFOA limits in place, with WVDEP retaining the ability to re-open the permit if needed after the proper criterion-development process has been undertaken to incorporate new limits with an appropriate compliance schedule.

2. Any Updated Effluent Limits Intended to be Set Below the PFOA Practical Quantification Level (PQL) Must be Set at a Compliance Evaluation Level (CEL).

Draft Permit condition C.8 states that the permittee should use actual analytical results when these results are greater than or equal to the Method Detection Limit (MDL) and should use zero when these results are less than the MDL. In addition, condition C.9 states “results reported as ‘non-detect’ at the MDL of the most sensitive method available will be deemed compliant for purposes of permit compliance.” However, this condition does not address situations where the results are above the MDL but below the PQL. Analytical results below the PQL are not accurately quantifiable and therefore should not be the basis for determining compliance. Consistent with WVDEP’s 2014 NPDES Reporting Reference Manual, Chemours requests that any proposed effluent limitation that is set below the MDL and PQL be assigned a compliance point at an appropriate Compliance Evaluation Level (CEL) that reflects the minimum level of quantitation (ML).

The WVDEP NPDES Reporting Reference Manual, Revised February 2014, states the following:

12. Compliance Evaluation Levels (CEL) can be defined as the minimum level (ML). The ML is the level at which the entire analytical system gives recognizable signal and acceptable calibration point. This level corresponds to the lowest point at which the calibration curve is determined based on analyses for the pollutant of concern in reagent water. The ML, which is not equivalent to the MDL, is determined from the analysis of a sample in a given matrix containing the analyte. At this time, the CEL is an interim limit and may be revised when the EPA finalizes their “National Guidance for the Permitting, Monitoring, and Enforcement of WQBEL Set Below Analytical Detection/Quantification Levels.”⁷ For DMR reporting purposes, if a result is above the permit limits but below the CEL, the result will be considered in compliance and no excursion will be reported in the Number of Exceedances (N.E.) column.⁸

The CEL concept, explained in Item #12 of WVDEP’s NPDES Reporting Reference Manual, is consistent with, and directly references, U.S. EPA’s National Guidance for the Permitting,

⁷ U.S. EPA, *National Guidance for the Permitting, Monitoring and Enforcement of Water Quality-Based Effluent Limitations Set Below Analytical Detection/ Quantification Levels* (March 18, 1994).

⁸ WVDEP, *West Virginia NPDES Reporting Reference Manual*, (Revised February 2014), <https://dep.wv.gov/WWE/ee/ww/ww-publications-manuals/Documents/NPDES%20Manual.pdf>

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Monitoring and Enforcement of Water Quality-Based Effluent Limitations Set Below Analytical Detection/ Quantification Levels.⁹

The West Virginia Manufacturers Association met with WVDEP on April 18, 2019, to discuss compliance with permit limitations set below the MDL. The objective of the meeting was to gain consensus that the application of laboratory MDLs is not always appropriate when determining permit compliance, and the substitution of PQLs results in better data for compliance. Our understanding is that WVDEP confirmed that CELs, already established within its NPDES permitting program, can be used as a compliance benchmark when water quality-based permit limits are lower than the PQL. The CEL for a substance will generally be set at 3 times the MDL, or at a lab-specific PQL, whichever is lower. If laboratory results are less than CELs the data will be reported to the agency as compliant with the permit.

To the extent that WVDEP lacks established methodology for establishing CELs, EPA regulations and guidance documents are instructive. 40 CFR Part 136 Appendix A defines the minimum level as “either the sample concentration equivalent to the lowest calibration point in a method or a multiple of the method detection limit (MDL), whichever is higher.” EPA similarly defines the MDL as “the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.”¹⁰ The MDL should be determined as outlined in 40 CFR Part 136, Appendix B.

Therefore, should WVDEP proceed with its proposal to tie the statewide narrative criterion to a PFOA concentration that is significantly lower than the ability of laboratories to accurately and consistently detect the substance, Chemours requests that WVDEP establish PFOA CELs and incorporate the concept into the permit. Establishing CELs for PFOA will eliminate confusion and ambiguity related to what constitutes permit compliance.

3. The Permit Should Continue to Allow Use of the Previously Approved Sedimentation Pond Valve System with Limits Appropriate for Alternative Stormwater Discharge Events Caused by Excessive Precipitation

Draft Permit Condition C.25 states that the permit does not allow for bypass or discharge of untreated or partially treated leachate or “other” wastewaters from the Outlet 006 Sedimentation Pond. The rare flows of water through the valve system during high precipitation events are not bypasses or untreated discharges, as the water passes through a sand filter treatment system. Additionally, the design and construction of this valve system and its operating procedures were approved and permitted by WVDEP in 2008-09 and have been reaffirmed through subsequent permits. As such, this discharge should be considered a permitted discharge rather than a bypass.

⁹ U.S. EPA, *National Guidance for the Permitting, Monitoring and Enforcement of Water Quality-Based Effluent Limitations Set Below Analytical Detection/ Quantification Levels* (March 18, 1994).

¹⁰ U.S. EPA, *Method Detection Limit (MDL) Procedure*, EPA 821-R-16-006 (Revision 2, December 2016), <https://www.epa.gov/cwa-methods/procedures-detection-and-quantitation-documents>

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The lined impoundment which serves as the collection/sedimentation pond was constructed in the late 1990s during operation of the landfill. The pond collects primarily surface stormwater runoff from the landfill cap along with contributions from the pond underdrain pump station and leak detection sump, which collects water between the pond primary liner and secondary clay liner.

The treatment system was installed in 2006-2007 to treat the water collected in the pond. In order to improve operations of the treatment system by reducing sediment loading from the stormwater runoff, pond upgrades were designed and permitted through Permit Modification No. 3 in October 2008¹¹. The pond upgrades were constructed in 2009. These upgrades included a retrofit of the pond with a sand filter and sediment forebay, a dedicated permit-authorized discharge valve system, and additional system improvements. The purpose of the valve system, which consists of a gate valve and plug valve in series, was to allow for controlled release from the pond during extreme rain events to prevent overflow via the emergency spillway. Limiting overflow through the emergency spillway was deemed desirable as the uncontrolled flow was determined to have the potential to cause significant erosion and degradation of the pond embankment. The valves also served to facilitate sampling of the diverted water and to provide filtration through the sand filter for total suspended solids (TSS) removal rather than direct overflow from the spillway. The sand filter also provides some degree of PFOA removal as evidenced by PFOA detections in waste characterization samples of the sediment routinely removed from the sand filter for offsite disposal.

The procedure for operating the valve system was approved through Permit Modification No. 4 in 2009. The procedure consists of monitoring the pond water level during storm events while maintaining treatment. If the water level in the pond reaches an elevation of 749', which is 0.5 feet below the emergency spillway, the operator will open one valve and partially open the second valve to throttle flow. The operator monitors the discharge duration and estimates the quantity discharged. A sample is also taken during the alternative stormwater discharge event for comparison to the Outlet 006 sampling parameters. Once the water level has dropped 0.5 feet, and/or the treatment system is able to keep pace with the incoming stormwater to maintain the water level, the valves are closed.

The valve system has only been used six times to convey authorized discharges in the 15 years since it was approved in 2009. Each event was caused by extreme rainfall which was paired in some cases with snowmelt, frozen ground conditions (four of the six events occurred in December or January), and/or essential system maintenance. Most of the permitted discharge events were also the result of multiple day precipitation events. The occasions on which these discharges occur should be few, on an average of less than one every two years.

On those rare occasions when the pond fills and a discharge through the valve system is necessary, the water in the pond will be overwhelmingly stormwater. In those situations, applying an effluent limit based on stormwater discharge is more appropriate.

¹¹ See the Dry Run Landfill Pond Upgrade Design Narrative dated September 2008.

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In addition, Draft Permit Condition C. 25 states “Routine discharges that are not for essential maintenance to assure efficient operation of the treatment works require the permittee to modify this permit to impose the appropriate permit requirements and effluent limitations which would make overflow events permissible.”

Thus, Chemours proposes the following modifications to Draft Permit Condition C.25:

- Chemours requests that provisions authorizing discharges through the installed valve system caused by excessive precipitation be maintained following the previously permitted procedure outlined above. Chemours requests that such discharges be considered and referenced in the permit as “alternative stormwater discharges.”
- These infrequent events are dictated by excessive precipitation and thus include a significantly higher percentage of stormwater. Therefore, a stormwater-based limit or benchmark should be applicable to such events.
- Chemours requests that the current TSS limits at Outlet 006 remain in place for permitted authorized alternative stormwater discharge events through the valve system.

4. The Sedimentation Pond Emergency Spillway (formerly Outlet 007) Must Remain Functional for Use in Emergency Conditions

Chemours recognizes that the current WVDEP guidance no longer recognizes emergency spillways as permitted outlets through the NPDES program. Chemours does not dispute the removal of Outlet 007 from the Draft Permit. However, Chemours maintains that the emergency spillway is an integral safety design feature for the pond construction and is standard practice for installation of such impoundments to maintain structural integrity of the pond embankment during an overflow condition. The valve system described above (Outlet 006) was designed to pass a 100-year storm event without overflow of the spillway. The valve system was installed fifteen years ago and has since prevented the need to use the emergency spillway. Chemours reserves the right to maintain the emergency spillway for use only in emergency situations where the pond water could not be sufficiently managed through the valve system. If such situation were to arise, Chemours will notify the WV Emergency Spill Hotline of the event as indicated in the Draft Permit.

5. Chemours Requests a Suitable Schedule of Compliance Should WVDEP Pose More Stringent PFOA Limitations at Outlet 006 than those Currently in Place

As WVDEP is aware from Chemours’ submittals of monthly effluent data at Outlet 006 since 2008, the existing treatment system has the capability to routinely meet the current discharge limitations. However, there is not sufficient data available to assess whether the system, as constructed, can meet the significantly more stringent limits currently proposed. This is especially apparent for the proposed limit below the current PQL, as all previous data has only been tracked down to the PQL that was available at the time of sampling.

Based on a review of historic data for Outlet 006, Chemours believes that a significant change to the PFOA limit at Outlet 006 will require upgrades to the treatment system to continue to achieve consistent compliance.

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As the proposed change in PFOA limitation is a significant change to a water quality-based limitation, Chemours requests a three year schedule of compliance, pursuant to §47-C.S.R. 10-8.1.a., to conduct the following:

- a. System Evaluation [6-12 months].**
 - i. Assess current performance of the system to the lowest detection criteria available (i.e. the MDL)
 - ii. Present findings to WVDEP
- b. Design and Implementation of System Improvements [2 years].** If the above referenced evaluation demonstrates that the current system cannot meet the proposed limits and will require upgrades, Chemours will continue along the following path:
 - i. Conduct an alternatives analysis to select the appropriate treatment technology
 - ii. Conduct Conceptual Design and Accelerated Column Test (ACT) or comparable bench-scale study for alternate technologies
 - iii. Obtain a Permit Modification to incorporate system changes
 - iv. Conduct Detailed Design
 - v. Procure, construct, and start-up system upgrades.

6. The Permit Must Clarify that Groundwater Quality Limits are Not Enforceable NPDES Permit Limits

Chemours seeks clarification on the requirements for reporting monitoring well sampling data against the numerical values included in Section A of the Draft Permit. It is unclear whether the numerical values in Section A of the NPDES permit for monitoring wells are intended to be enforceable limits. Chemours requests that any groundwater limitations in Section A either be removed from the Draft Permit or that the language in the permit be modified to clarify that these values are not enforceable NPDES discharge limits.

Language in the Draft Permit is inconsistent about the intended use and enforcement of groundwater values. Pages 19-74 of the Draft Permit include numerical values designated as “Monitoring Requirements” for select analytical parameters, but language throughout the permit is unclear as to how these values are to be applied. One such example is on each page in Section A, which notes “Such discharges shall be monitored by the permittee as specified below” with the numerical values included under a column titled “Monitoring Requirements”. However, the upper left header for each sheet identifies the page as “Permit Limits.” Section D.2.b. (page 85) also references these values as limitations, stating that “Per 33 CSR 1, Section 4.11.c.8.B limitations (groundwater standards) have been established in Section A.” Chemours seeks clarification as to whether these values are intended to serve exclusively as the groundwater standards for groundwater assessment in Section D or as “permit limits,” where an exceedance of such limit during a sampling event is a permit violation.

Groundwater itself is not regulated under the Clean Water Act (CWA), and there are no point source discharges to groundwater at Dry Run that can be controlled or regulated under the Draft Permit. The CWA NPDES program regulates the discharge of pollutants through point sources to

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waters of the United States, which includes surface waters but generally does not include groundwater.

Chemours recognizes that WVDEP has authority to regulate groundwater under state statutes and combines permits for solid waste facilities with permits issued under the Water Pollution Control Act. *See W. Va Code §22-15-10(b)*. However, regulation of groundwater through an NPDES permit is inappropriate. The NPDES permit is federally enforceable and is issued in accordance with a federal permit program that has been delegated to the state. Groundwater can only be regulated through a separate state Water Pollution Control permit or through conditions in a NPDES permit document that are clearly segregated as state-only conditions. In the absence of a legal mandate to include groundwater limits requirements within an NPDES permit, Chemours requests that any groundwater discharge limitations of Section A be removed from the Draft Permit.

To the extent that WVDEP does wish to regulate groundwater at the site in a single document, Section D should expressly state that any noncompliance with the terms of Section D will be subject only to enforcement options that are available to the WVDEP under state authority for groundwater regulation, and not the NPDES program. It would be inappropriate and beyond WVDEP's legal authority under the NPDES program for WVDEP to seek enforcement for any noncompliance of groundwater requirements under enforcement mechanisms available under the NPDES program.

7. An Updated Assessment of Corrective Measures (ACM) is Warranted Given the Passage of Six Years Since Submission

The Schedule of Compliance in Section B of the Draft Permit requires Chemours to hold a public meeting within six months of permit issuance to discuss the results of the ACM, which was submitted to WVDEP in 2018. Chemours requests a modification to this Schedule of Compliance Item to allow the ACM to be updated.

Chemours submitted the ACM for Dry Run Landfill in 2018 and did not receive any comments (from WVDEP or the public) on the document and the proposed remedy. Therefore, Chemours did not hold the public meeting to discuss the results of the ACM, a meeting which would now be required within six months of permit issuance (see Draft Permit condition D.2.c).

Chemours has identified several sections in the Draft Permit requiring adjustments to the basis for the ACM. These include new requirements for calculating groundwater-to-surface water impacts and changes to the process for Phase 1 and Phase 2 sampling already completed and summarized in the ACM. Given the new requirements and their potential to change the remedy proposed in the ACM, Chemours requests that the additional evaluations be completed first and findings updated through a revision to the ACM. After the revised ACM is submitted and reviewed by WVDEP, Chemours will then hold the public meeting to present findings. Chemours requests two years to conduct these updates. This compliance schedule is warranted to allow sufficient time to conduct the following:

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- Evaluate Phase I parameters using the intrawell statistics, as previous analysis was completed via interwell statistics. Chemours notes that some parameters added to Section A through this permit may require additional sampling to fill data gaps in order to conduct intrawell analysis.
- Sample Phase II parameters to establish background for noted parameters in D.2.b and additional subsequent data to conduct statistical analysis.
- Calculate groundwater-to-surface water discharge values per Draft Permit condition D.2.c (See Comment 8)
- Update the ACM to incorporate the groundwater-to-surface water values and findings from the updated Phase I and Phase II programs. Consideration will be given to assessing the proposed remedy based on this updated information.

WVDEP should also provide additional specificity regarding the changes to the groundwater monitoring program, including Phase I, Phase II, groundwater-to-surface water calculations, and the various screening criteria included in this Draft Permit before proceeding with additional sampling/evaluation. Chemours requests a meeting with WVDEP to discuss needed clarifications.

Examples of clarifications requested include, but are not limited to the following:

- Draft Permit condition D.2.a stipulates intrawell evaluation for Phase 1 parameters. Chemours requests clarification on whether Phase II assessment is to be conducted via intrawell evaluation going forward, and to what extent previous Phase II analysis needs to be revisited. Chemours notes that the background values listed in condition D.2.b were calculated using interwell analysis. Chemours requests clarification if these values are still considered valid.
- Previous Phase II parameters (Bis(2-Ethylhexyl) Phthalate, Cresol, Vanadium, and Lead) have been added to Section A through the Draft Permit. Chemours requests clarification as to whether these parameters are to be now to be included in the Phase I program by intrawell evaluation.

8. Draft Permit Deadlines for Chemours to Develop Groundwater-to-Surface Water Discharge Values Should Not Run Until WVDEP has Approved a Methodology

Permit condition D.2.c requires Chemours to “develop a groundwater to surface water discharge value protective of the narrative human health water criteria per 47 CSR 2 based on EPA's Human Health Advisory value (2022, 0.004 ppt) for PFOA and arsenic (47 CSR 2 Category A, 0.01 mg/l) to compare to the groundwater protection standard(s). Should the calculated protection value be less than the groundwater standard listed above the permittee shall modify the permit to incorporate the new standard.” While Chemours is actively assessing a potential methodology for calculating these values, its deadline for completing this work should not begin to run until

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WVDEP has reviewed and approved Chemours' proposed methodology or the agency has published a methodology of its own.

Furthermore, this requirement assumes the unsupported applicability of the IHA value as the narrative water quality criterion for PFOA in this assessment. Chemours has explained in Comment 1 why the IHA and MCL are not appropriate narrative water quality criterion for protection of public health, and consequently neither is a suitable endpoint for assessment of PFOA in terms of groundwater-to-surface water impacts.

9. WVDEP Must Clarify the "Leachate Detection Sump"

Draft Permit condition C.22 references management of fluid in the "leachate detection sump." The condition states that such fluid should be sent to the onsite leachate storage tank. Chemours assumes the "leachate detection sump" being referenced is the pond "leak detection sump" which collects water collected between the pond's primary liner and secondary clay liner.

Chemours proposes that the Draft Permit allow the quality of this leak detection sump water to be assessed before dictating that it be sent to the leachate storage tank. Chemours also proposes that the Draft Permit allow it to evaluate the technical feasibility of sending this water directly to the treatment system pump station rather than commingled in the pond. Chemours requests that WVDEP allow this evaluation and a recommendation of how best to treat this water be made by Chemours to WVDEP.

10. Downgradient Groundwater Use Evaluations Should Not be Required Until an Updated ACM is Completed

Draft Permit condition D.2.d references a requirement to annually evaluate groundwater use offsite in a downgradient direction and to provide a summary report to WVDEP. Chemours requests that Draft Permit Condition D.2.d be removed from the Permit until such time as the ACM is updated and the public meeting is held to address the proposed remedy. A modification to the Permit could be requested after finalization of the ACM.

As stated in Comment 7, Chemours intends to conduct groundwater-surface water calculations and update the Phase 1/ Phase 2 analysis. At the conclusion of these evaluations, Chemours will update the ACM. Consideration will be given to the previously proposed remedy, monitored natural attenuation, at that time. Given the scale of the described offsite monitoring program and the fact that it is based on the previously proposed remedy of monitored natural attenuation, Chemours believes that implementing such a program prior to finalizing the updated ACM is premature. Chemours will evaluate the need for an offsite program to assess arsenic, ammonia, and PFOA, such as that described in condition D.2.d, during the ACM update. The update to the ACM will also allow Chemours and WVDEP to address additional questions regarding condition D.2.d including suitable groundwater standards for use in the program should it be deemed necessary.

Chemours already conducts a similar evaluation for PFOA through EPA consent order RCRA-HQ-2024-001, which encompasses downgradient receptors within the area in question along with a larger footprint in the surrounding area. Chemours provides residential carbon treatment

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systems and supports carbon treatment of public water systems through this program. Chemours submits annual reports on the consent order program to the EPA and provides a copy of the reports to WVDEP. Chemours believes the intention of condition D.2.d is already being addressed for PFOA through the consent order program.

Furthermore, this requirement makes reference to using “human health advisory value(s)” which appears to again assume the appropriateness of applying the IHA value as the narrative water quality criterion for PFOA. It also links part of the assessment to the groundwater-to-surface water values discussed in Comment 8 which are yet to be determined. Chemours has explained in Comment 1 why the IHA is not appropriate narrative water quality criterion for protection of public health, and consequently is not a suitable endpoint for assessment of PFOA in terms of groundwater impacts.

11. Permit condition C.18 is unclear and appears to be missing part of the language.

This condition appears to begin mid-sentence with “Appendix A...” and seems to be missing the intended beginning of the condition.

12. EPA finalized Method 1633 for analysis of PFAS in January 2024.

Please update language throughout the permit to remove reference to Method 1633 as “Draft”.

13. Chemours Requests Additional Documentation Regarding the Calculated TSS Limit at Outlet 006.

Chemours requests that WVDEP provide the complete formulas and data sets, including dates of samples, used for calculating the TSS limits at Outlet 006 as summarized in the Fact Sheet. The calculation attached to the Fact Sheet only includes the summary spreadsheet of results.

Conclusion

Chemours appreciates this opportunity to review the Draft Permit and offer comments. We believe the extent and nature of our comments are such that a meeting with WVDEP would be useful before final issuance of the Permit. We will make ourselves available for such a meeting at WVDEP’s earliest convenience.

2023 Annual Report

Dry Run Landfill (WV0076244)
Lubeck, West Virginia

Submitted on behalf of:
The Chemours Company

Submitted by:
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Project Number: 60721908/60721912
Date: January 2024

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1.0 Introduction

This 2023 annual report for the Chemours Company FC, LLC (Chemours) Dry Run Landfill, located in Lubeck, West Virginia, satisfies the requirements found in C.2.d, C.3.b, C.13, C.14, and C.16 of the West Virginia Department of Environmental Protection (WVDEP) Solid Waste/National Pollutant Discharge Elimination System (NPDES) permit WV0076244 (issue date: December 17, 2015; effective date: February 1, 2016, expiration date: December 16, 2020). A NPDES Industrial Reissue Application was submitted electronically to the WVDEP on June 10, 2020 and resubmitted on February 11, 2011. As of the end of 2023, the permit has not yet been renewed and the permit issued in 2015 is still applicable.

This report contains the following sections:

- Section 2 describes the status and maintenance of the landfill.
- Section 3 summarizes the 2023 permit required reporting activities.
- Section 4 discusses benchmark monitoring of Outlets 003 and 004.
- Section 5 summarizes 2023 perfluorooctanoic acid (PFOA) monitoring data.
- Section 6 summarizes the 2023 Phase II groundwater sampling.
- Section 7 presents the groundwater flow rate and direction in the B-Zone aquifer.

2.0 Status and Maintenance of the Landfill

Dry Run Landfill is a closed industrial landfill; its status was unchanged during 2023. Operations were conducted in accordance with the requirements in the WVDEP Solid Waste/NPDES permit WV0076244.

Maintenance and routine operational activities performed at the Dry Run Landfill during 2023 included the following:

- Performed semi-annual inspections of the landfill vegetative cover prior to spring and fall planting seasons per Section C.5 of the permit. Any identified issues were addressed, as needed.
- Conducted monthly site inspections of the landfill cap for desiccation, cracking, erosion, ponding, etc. per Section C.6 of the permit. Any identified issues were addressed, as needed.
- Conducted routine mowing of the landfill cap and monitoring wells access areas per Section C.11 of the permit.
- Inspected monitoring well areas monthly and addressed any identified issues, as needed.
- Performed maintenance and refueling of the emergency generator, as needed.
- Resampled monitoring wells and collected Phase II parameters per Section C.2.i of the permit.
- Completed two carbon replacements and backwashes of the granular activated carbon (GAC) treatment system during 2023:
 - March 14, 2023
 - August 17, 2023
- Replaced the roof on the treatment system building in May 2023.
- Collected 24-hour composite samples for Chronic Toxicity analysis during the week of May 8, 2023, per Section C.15 of the permit. The test species utilized were *Pimphales promelas* and *Ceriodaphnia dubia*.
 - The survival test results for the *Pimephale promelas* corresponded to a Toxicity Unit-chronic (TUc) for survival of 0.0, and a TUc for growth of 0.0. Both results indicated that the effluent was non-toxic with regards to the survival and reproduction of this species.
 - The survival test results for the *Ceriodaphnia dubia* corresponded to a TUc for survival of 2.0 and a TUc for growth of 4.0. Both results indicate that the effluent was moderately toxic with regards to the survival and reproduction of *Ceriodaphnia dubia*.
 - Per Section C.15.e of the permit, if the results of two consecutive tests exceeds 1.0 TUc, then a toxicity evaluation and reduction study must be conducted. Upon receipt of the next Chronic Toxicity results, it will be determined if the study should be completed.
- Cleaned the sedimentation pond's sand filter during June 2023.
- Replaced pumps and performed maintenance on the treatment system during the fall of 2023 due to an electrical disturbance.

- Completed the annual leachate line cleaning associated with the leachate collection system during November 2023 per Section C.13 of the permit, and a camera inspection was completed in December 2023.
- Inspected the aboveground storage tank (AST) containing leachate per the AST regulations.
 - Submitted the AST Fit for Service form on October 24, 2023.
- A new NPDES/State Storm Water Construction #1 permit application (WVR112386) was submitted on December 15, 2023. The permit application was most recently resubmitted on January 2, 2024, per requests from the WVDEP.
 - The construction project includes excavating soils from the Dry Run Landfill Borrow Areas 1 and 3, to support final cover system improvements at the Chemours' Local Landfill (WV0076538) in Washington, West Virginia.
 - Approximately 9.52 acres are planned to be disturbed.
 - The construction activities will tentatively occur between March 2024 and July 2025.
- Pumped approximately 0.0846 million gallons of water from the sump, which collects water from between the sedimentation pond's primary and secondary liners per Section C.14 of the permit. The water is then pumped into the sedimentation pond for eventual total suspended solids (TSS) treatment and then GAC treatment at the on-site treatment system.
- Processed approximately 13 million gallons of water through the GAC treatment system.
- Collected and transported 136 loads of 5,000 gallons each, or approximately 0.68 million gallons of leachate to the Chemours Washington Works Plant for treatment and discharge as per Section C.16 of the permit.

3.0 Summary of 2023 Monitoring Activities

This section summarizes the dates that discharge monitoring reports (DMRs) were submitted to the WVDEP.

3.1 2023 Outlet Report Summaries

Monitoring of outlets and leachate was conducted as required by WVDEP Solid Waste/NPDES Permit WV0076244 Section A. The table below summarizes the dates that reports were electronically submitted to the agency via the WVDEP Electronic Submission System (ESS).

Date Submitted	Report Title	Report Contents
01/23/2023	DryRun(WV0076244) Dec2022	Monthly outlet parameters
02/24/2023	DryRun(WV0076244) Jan2023	Monthly and semi-annual outlet parameters
03/23/2023	DryRun(WV0076244) Feb2023	Monthly outlet parameters
04/24/2023, resubmitted 04/28/2023	DryRun(WV0076244) March2023	Monthly outlet parameters
05/23/2023	DryRun(WV0076244) April2023	Monthly outlet parameters
06/23/2023	DryRun(WV0076244) May2023	Monthly outlet parameters
07/20/2023	DryRun(WV0076244) June2023	Monthly outlet parameters
08/22/2023	DryRun(WV0076244) July2023	Monthly and semi-annual outlet parameters
09/21/2023	DryRun(WV0076244) Aug2023	Monthly outlet parameters
10/23/2023	DryRun(WV0076244) Sept2023	Monthly outlet parameters
11/16/2023	DryRun(WV0076244) Oct2023	Monthly outlet parameters
12/20/2023	DryRun(WV0076244) Nov2023	Monthly outlet parameters
TBD	DryRun(WV0076244) Dec2023	Monthly outlet parameters

TBD: to be determined

3.2 2023 Semi-Annual Monitoring Well Report Summary

Semi-annual groundwater sampling of monitoring wells was performed as required by WVDEP Solid Waste/NPDES Permit WV0076244 Section A. The table below summarizes the dates that the reports were electronically submitted to the agency via the WVDEP ESS.

Date Submitted	Report Title	Report Contents
02/24/2023	DryRun(WV0076244)2H2022MonWells	Semi-annual monitoring well parameters
08/22/2023	DryRun(WV0076244)1H2023MonWells	Semi-annual monitoring well parameters
TBD	DryRun(WV0076244)2H2023MonWells	Semi-annual monitoring well parameters

TBD: to be determined

4.0 Benchmark Monitoring

Permit Modification No. 5 was issued by the WVDEP on May 15, 2019. The monitoring requirements for aluminum and iron at Outlets 003 and 004 were amended to “Report Only.” Instead of limitations, monthly benchmark monitoring for both parameters are to be monitored. The following are aluminum and iron sample results compared to the current benchmarks at Outlets 003 and 004.

Sample Date	Aluminum, Total Recoverable (mg/L)			Iron, Total Recoverable (mg/L)		
	Benchmark	Outlet 003	Outlet 004	Benchmark	Outlet 003	Outlet 004
1/12/2023	0.75	0.465	0.413	1.5	0.428	0.36
2/16/2023	0.75	1.71	0.504	1.5	1.62	0.392
8/10/2023	0.75	0.314	0.376	1.5	0.317	0.336

Sample results from Outlet 004 during 2023 did not exceed the benchmark for aluminum or iron. However, Outlet 003 exceeded the benchmark for aluminum once and the benchmark for iron once during 2023.

Aluminum is contained in the soil and contributes to aluminum sample results by suspended solids when there is loss of vegetation and heavy storms. The drainage area for Outlet 003 was reseeded during the first quarter of 2022 and the vegetation has been inspected regularly since that time. The area at the top of the drainage path for Outlet 004 is frequently inhabited by deer who nest there overnight and trample the vegetation. Silt fencing was replaced around this area during 2022 to eliminate erosion. This area was inspected regularly and reseeded as needed.

A comparison of dissolved aluminum, total recoverable aluminum, dissolved iron, total recoverable iron, and TSS results for Outlets 003 and 004 are presented in Table 1. Dissolved aluminum and dissolved iron results from both outlets were below benchmark criteria. The total recoverable aluminum and total recoverable iron results at Outlet 004 were below benchmark criteria. The total recoverable aluminum and total recoverable iron results at Outlet 003 were above the benchmark criteria on February 16, 2023, which was found to be directly related to TSS. Best management practices are being utilized to decrease TSS in the outlet drainage areas.

5.0 PFOA Monitoring and GAC Treatment System

PFOA analysis is conducted monthly at the following locations: LM-2 (influent to the GAC treatment unit), Outlet 003 (stormwater), Outlet 004 (stormwater), Outlet 006 (effluent water after GAC treatment system), and Outlet 007 (overflow of pond). Outlet 007 is only sampled when the pond has reached full capacity and water overflows the pond through the outlet, which did not occur during 2023.

5.1 Summary of 2023 PFOA Data

In accordance with permit requirements and the electronic DMR submission, PFOA results for samples collected during 2023 at the outlets, the leachate collection point, monitoring wells, and the treatment system are summarized in attached tables:

- Table 2 – Summary of 2023 Monthly Outlet PFOA Results
- Table 3 – Summary of 2023 Quarterly Leachate PFOA Results
- Table 4 – Summary of 2023 Semi-Annual Monitoring Wells PFOA Results
- Table 5 – Summary of 2023 Treatment System Influent and Effluent PFOA Results

5.2 PFOA Monitoring

The following numeric effluent limitation values for Outlets 003, 004, 006, and 007 were added per the NPDES Permit Modification No. 5.

Location	Average Monthly Limit (µg/L)	Maximum Daily Limit (µg/L)
Outlet 003	Report Only	6.77
Outlet 004	Report Only	1.55
Outlet 006	0.07	0.48
Outlet 007	0.07	0.48

Corresponding PFOA data for the Influent (LM-2) and Effluent (Outlet 006) of the GAC treatment system were compared to the permitted numerical limits (see Table 5). There was one exceedance for the average monthly limit of PFOA at Outlet 006 during February 2023. The average monthly sample result was 0.251 micrograms per liter (µg/L), which exceeded the Average Monthly Limit of 0.07 µg/L. Internal analytical samples are being collected to better plan for GAC carbon changeouts to eliminate breakthrough of the final GAC bed.

6.0 Statistical Analysis

The Solid Waste/NPDES permit WV0076244 requires semi-annual groundwater monitoring of Phase I parameters (Section A), background groundwater quality for each of the monitoring parameters in Sections A.MW-14 and A.MW-18B (Section C.2.e.), and statistical analysis of the results (Section C.2.f.). The statistical analysis determines whether there is a statistically significant increase over background levels for each Phase I parameter less pH, specific conductance, total suspended solids, and temperature. In order to do this, the Phase I parameter results from monitoring wells MW-12, MW-13, and MW-15 are compared to the results from MW-14, and the Phase I parameters results from MW-16B, MW-17B, MW-19B, and MW-20B are compared to the results from MW-18B.

A statistical analysis of the first half of 2023 semi-annual groundwater monitoring of Phase I parameters was completed. Twenty-two groundwater quality parameters were monitored, and 198 analytical and field samples were recorded. Six monitoring wells were found to have statistically significant increases over background results (see Table 6). The statistical analysis for the second half of 2023 has not been completed at this time. Once it is completed, the statistical analysis will be attached to the eDMR.

6.1 Phase II Groundwater Monitoring Parameters

Monitoring wells with a Phase I result that has a statistically significant increase over the background concentrations must be sampled for the Phase II groundwater monitoring parameters required by the West Virginia Solid Waste Management Rule (SWMR) Section 4.11.c. (WV0076244, Section C.2.i.). The list of Phase II parameters was reduced in the NPDES Permit No. WV0076244 Modification No. 5, issued by the WVDEP on May 15, 2019, to 1,1,1-trichloroethane, bis(2-ethylhexyl)phthalate, chloroethane (ethyl chloride), cresol (2-,4-methylphenol), lead, toluene, total vanadium, and total zinc. Results from the 2023 Phase II sampling are presented in Table 7.

6.2 Assessment of Corrective Measures

Section C.2.j.(1). of the Solid Waste/NPDES Permit No. WV0076244 states the following:

Within ninety (90) days of a finding that any of the constituents listed in the permit have been detected at a statistically significant level exceeding the groundwater protection standards, the permittee must initiate an assessment of corrective measures in accordance with 33 CSR 1, Section 4.11.e.

In accordance with the above requirement, Chemours submitted an Assessment of Corrective Measures (ACM) for Dry Run Landfill on July 27, 2018.

The corrective measures in place at Dry Run Landfill include an engineered cap system, a leachate collection system, and a stormwater collection pond with treatment system. Based on the exposure assessment presented in the ACM, Section 5, additional corrective measures were not proposed due to the lack of any significant potentially complete groundwater or surface-water exposure pathways. Chemours continues to monitor the Phase I constituents, complete statistical analysis on the results, sample all monitoring wells with statistically significant increases over background for Phase II constituents, and report to the WVDEP.

7.0 Groundwater Flow Rate and Direction

The annual requirement to determine the groundwater flow rate and direction as described in the WVDEP Solid Waste/NPDES Permit WV0076244 Section C.2.d was met for the second half of 2023. The 2023 groundwater contour map is attached to this report as Figure 1. The average linear velocity was calculated using site data and is estimated to be 4.33 feet per year, moving from east to west. This groundwater velocity is similar to the past several years.

Tables

Table 1
Outlets 003 and 004 Benchmarks
Aluminum, Iron, and TSS Results
2023 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Lab Parameter Name	Unit	Benchmarks	OUTLET 003			OUTLET 004		
			01/12/2023	02/16/2023	08/10/2023	01/12/2023	02/16/2023	08/10/2023
Aluminum, Dissolved	mg/L		<0.08	0.23	<0.08	0.223	0.326	<0.08
Aluminum, Total Recoverable	mg/L	0.75	0.465	1.71	0.314	0.413	0.504	0.376
Iron, Dissolved	mg/L		<0.04	0.238	0.0683	0.212	0.302	0.132
Iron, Total Recoverable	mg/L	1.5	0.428	1.62	0.317	0.36	0.392	0.336
Total Suspended Solids	mg/L		25	79.5	19.5	14	30	14

mg/L = milligrams per liter

Table 2
Summary of 2023 Monthly Outlet
PFOA Results
2023 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Monthly Event	Outlet Location - Maximum Daily PFOA (µg/L)						
	LM-2	Outlet 003	Outlet 004	Outlet 006	Outlet 007	SS-1	SS-2
January-23	1.43	1.37	0.167	0.195	No Sample ²	0.365	0.281
February-23	2.46	1.75	0.185	0.309	No Sample ²	0.334	0.356
March-23	0.914	No Sample ¹	No Sample ¹	<0.00178	No Sample ²	0.384	0.0249
April-23	2.39	No Sample ¹	No Sample ¹	<0.00179	No Sample ²	0.473	0.0986
May-23	1.89	No Sample ¹	No Sample ¹	<0.0017	No Sample ²	0.335	0.137
June-23	5.74	No Sample ¹	No Sample ¹	<0.0201	No Sample ²	0.548	<0.02
July-23	2.95	No Sample ¹	No Sample ¹	<0.0017	No Sample ²	No Sample ¹	0.0167
August-23	1.62	3.99	0.0853	<0.00175	No Sample ²	0.549	0.200
September-23	1.31	No Sample ¹	No Sample ¹	<0.00176	No Sample ²	No Sample ¹	0.00921
October-23	1.98	No Sample ¹	No Sample ¹	<0.00179	No Sample ²	0.165	0.0112
November-23	3.56	No Sample ¹	No Sample ¹	<0.00177	No Sample ²	0.451	0.0601
December-23	2.22	No Sample ¹	No Sample ¹	0.00562	No Sample ³	0.348	0.03

¹ Sample not collected due to insufficient flow.

² Samples are only collected when high precipitation causes water to overflow at Outlet 007.

PFOA = perfluorooctanoic acid

µg/L = micrograms per liter

Table 3
Summary of 2023 Quarterly Leachate
PFOA Results
2023 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Quarterly Event	Leachate - PFOA ($\mu\text{g/L}$)
	LM-1
1Q2023	44
2Q2023	49
3Q2023	104
4Q2023	No Sample ¹

PFOA = perfluorooctanoic acid
 $\mu\text{g/L}$ = micrograms per liter

¹ No analysis due to laboratory error.

Table 4
Summary of 2023 Semi-Annual Monitoring Wells
PFOA Results
2023 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Monitoring Well	Semi-Annual Event - PFOA (µg/L)	
	1H2023	2H2023
MW-6A	0.443	0.535
MW-12	0.0672	0.0799
MW-12A	0.0428	0.0783
MW-12B	0.0484	0.108
MW-13	15.5	19
MW-13A	0.844	0.833
MW-14	0.0409	0.0569
MW-15	1.21	2.06
MW-16B	0.00717	0.0145
MW-17B	0.0319	0.0304
MW-18B	0.0142	0.0108
MW-19B	0.0124	0.0127
MW-20B	0.0259	0.0377
MW-21A	0.321	0.304

PFOA = perfluorooctanoic acid

µg/L = micrograms per liter

Table 5
Summary of 2023 Treatment System Influent and Effluent
PFOA Permit Limits and Results
2023 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Month	PFOA (µg/L)				
	LM2	Outlet 006	Permit Limits	Outlet 006	Permit Limits
		Average Monthly Result	Average Monthly Limit	Maximum Daily Result	Maximum Daily Limit
Jan-23	1.43	0.048	0.07	0.195	0.48
Feb-23	2.46	0.251	0.07	0.309	0.48
Mar-23	0.914	<0.00177	0.07	<0.00178	0.48
Apr-23	2.39	<0.00175	0.07	<0.00179	0.48
May-23	1.89	<0.00171	0.07	<0.0017	0.48
Jun-23	5.74	<0.01092	0.07	<0.0201	0.48
Jul-23	2.95	<0.00171	0.07	<0.0017	0.48
Aug-23	1.62	<0.00173	0.07	<0.00175	0.48
Sep-23	1.31	<0.00176	0.07	<0.00176	0.48
Oct-23	1.98	<0.00173	0.07	<0.00179	0.48
Nov-23	3.56	<0.00178	0.07	<0.00177	0.48
Dec-23	2.22	0.00543	0.07	0.0056	0.48

PFOA = perfluorooctanoic acid
 µg/L = micrograms per liter

Table 6
Summary of First Half of 2023 Semi-Annual Monitoring Well
Statistically Significant Results
2023 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Phase I Parameter	Units	Statistically Significant as Compared to MW-14				Statistically Significant as Compared to MW-18B			
		UPL	MW-12	MW-13	MW-15	UPL	MW-16B	MW-17B	MW-20B
Boron, dissolved	mg/L					0.26	0.302		
Fluoride	mg/L	1.1			2.03	2	2.83		2.82
Nitrate Nitrogen	mg/L	0.102	0.122	1.32	0.772	0.093	0.436		
PFOA	µg/L	0.055	0.0672	15.5	1.21	0.018		0.0319	0.0259
Sulfate	mg/L	17.4	32.5	33.3	47.4	16.9	22.8		31.4
Total Organic Carbon	mg/L					3.7			8.03

µg/L = micrograms per liter
 mg/L = milligrams per liter
 UPL = Upper Prediction Limit

Table 7
Summary of First Half of 2023 Semi-Annual Monitoring Well
Phase II Sample Results
2023 Annual Report
Dry Run Landfill, Lubeck, West Virginia

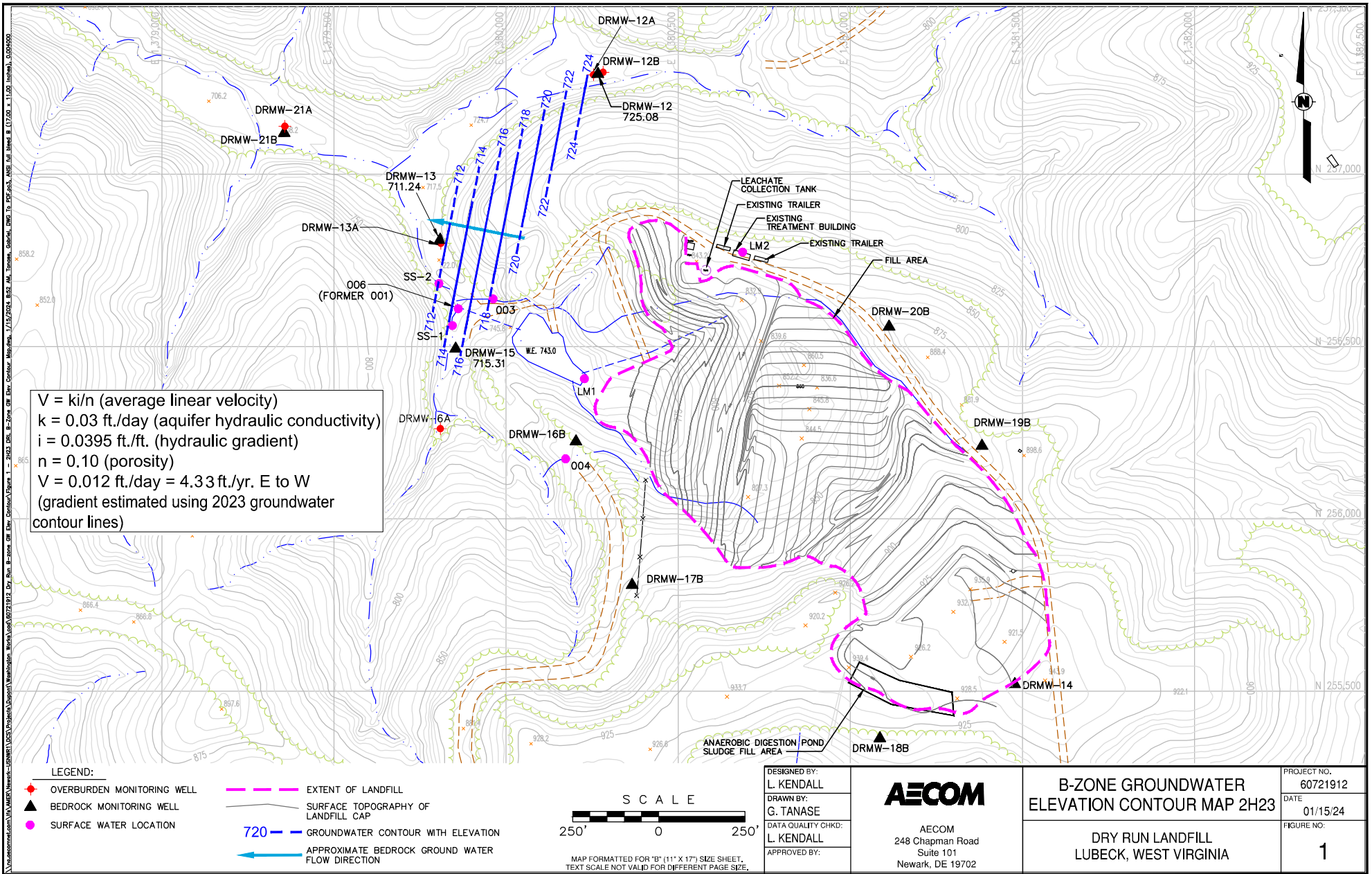
Location ID	1,1,1-Trichloroethane	2-Methylphenol (o-Cresol)	Bis(2-Ethylhexyl) Phthalate	Ethyl Chloride	Lead	Toluene	Vanadium	Zinc
	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	mg/L
MW-6A	<0.2	<2.5	<2.5	<0.38	<0.0005	<0.1	<0.002	<0.0125
MW-12	<0.2	<2.5	<2.5	<0.38	<0.0005	0.11 ¹	0.00208	<0.0125
MW-12A	<0.2	<2.5	<2.5	<0.38	<0.0005	0.15 ¹	0.00214	<0.0125
MW-12B	<0.2	<2.5	<2.5	<0.38	<0.0005	<0.1	<0.002	<0.0125
MW-13	<0.2	<2.5	<2.5	<0.38	<0.0005	0.11 ¹	0.0147	<0.0125
MW-13A	<0.2	<2.5	<2.5	<0.38	<0.0005	<0.1	<0.002	<0.0125
MW-14	<0.2	<2.5	<2.5	<0.38	<0.0005	0.36 ¹	0.00202	<0.0125
MW-15	<0.2	<2.5	<2.5	<0.38	0.000733	<0.1	0.00267	<0.0125
MW-16B	1.06	<2.5	8.02	<0.38	<0.0005	0.22 ¹	0.00247	<0.0125
MW-17B	<0.2	<2.5	<2.5	<0.38	<0.0005	0.22 ¹	<0.002	<0.0125
MW-18B	1.47	<2.5	<2.5	<0.38	<0.0005	0.44 ¹	<0.002	<0.0125
MW-19B	<0.2	<2.5	<2.5	<0.38	<0.0005	0.29 ¹	<0.002	<0.0125
MW-20B	<0.2	<2.5	<2.5	<0.38	<0.0005	0.27 ¹	<0.002	<0.0125
MW-21A	<0.2	<2.5	<2.5	<0.38	<0.0005	<0.1	<0.002	<0.0125
MW-21A-Dup	<0.2	<2.5	<2.5	<0.38	<0.0005	0.13 ¹	<0.002	<0.0125

¹ B qualifier for Toluene due to a detection in a field, equipment, trip or method blank.

µg/L = micrograms per liter

mg/L = milligrams per liter

Figures



$V = ki/n$ (average linear velocity)
 $k = 0.03$ ft./day (aquifer hydraulic conductivity)
 $i = 0.0395$ ft./ft. (hydraulic gradient)
 $n = 0.10$ (porosity)
 $V = 0.012$ ft./day = 4.33 ft./yr. E to W
 (gradient estimated using 2023 groundwater contour lines)

LEGEND:

- ◆ OVERBURDEN MONITORING WELL
- ▲ BEDROCK MONITORING WELL
- SURFACE WATER LOCATION
- EXTENT OF LANDFILL
- SURFACE TOPOGRAPHY OF LANDFILL CAP
- 720 --- GROUNDWATER CONTOUR WITH ELEVATION
- ← APPROXIMATE BEDROCK GROUND WATER FLOW DIRECTION



MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
 TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

DESIGNED BY: L. KENDALL	AECOM
DRAWN BY: G. TANASE	
DATA QUALITY CHKD: L. KENDALL	
APPROVED BY:	
AECOM 248 Chapman Road Suite 101 Newark, DE 19702	

B-ZONE GROUNDWATER ELEVATION CONTOUR MAP 2H23	PROJECT NO. 60721912
DRY RUN LANDFILL LUBECK, WEST VIRGINIA	DATE 01/15/24
	FIGURE NO. 1



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
Phone: 304-926-0495 / Fax: 304-926-0463

Harold Ward, Cabinet Secretary
dep.wv.gov

November 2, 2023

J. Bart Ruitter, Project Director
The Chemours Company
1007 Market Street
P.O. Box 2047
Wilmington, De 19898

RE: Dry Run Landfill
Permit No. WV0076244
Permit Extension

Dear Mr. Ruitter:

This letter shall serve as an extension of the Dry Run Landfill Permit. To allow time to complete the permit renewal process, be advised that the Division of Water and Waste Management, under the authority granted by the W.Va. Code, Chapter 22, Article 15, Section 10(c), hereby administratively extends the Dry Run Landfill Permit until the permit issues, or until the 31st of March, 2024, whichever comes first.

If you have any questions, please contact Christina Facemyer at (304) 926-0499, ext. 43854 or by email at christina.facemyer@wv.gov.

Sincerely,

Katheryn D. Emery, P.E.
Director

KDE/cmf
cc: Tonya Mather, Env. Insp. Supervisor
Casey Cowen, Env. Inspector

2022 Annual Report

Dry Run Landfill (WV0076244)
Lubeck, WV

Submitted on behalf of:
The Chemours Company

Submitted by:
AECOM
248 Chapman Road
Suite 101
Newark, DE 19713

Project Number: 60697059/60697060
Date: January 2023

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1.0 Introduction

This 2022 annual report for the Chemours Company's Dry Run Landfill, located in Lubeck, West Virginia, satisfies the requirements found in C.2.d, C.3.b, C.13, C.14, and C.16 of the West Virginia Department of Environmental Protection (WVDEP) Solid Waste/National Pollutant Discharge Elimination System (NPDES) permit WV0076244 (issue date: December 17, 2015; effective date: February 1, 2016).

This report contains the following sections:

- Section 2 describes the status and maintenance of the landfill.
- Section 3 summarizes the 2022 permit required reporting activities.
- Section 4 discusses benchmark monitoring of Outlets 003 and 004.
- Section 5 summarizes 2022 perfluorooctanoic acid (PFOA) monitoring data.
- Section 6 summarizes the 2022 Phase II groundwater sampling.
- Section 7 presents the groundwater flow rate and direction in the B-Zone aquifer.

2.0 Status and Maintenance of the Landfill

Dry Run Landfill is a closed industrial landfill; its status was unchanged during 2022. Operations were conducted in accordance with the requirements in the WVDEP Solid Waste/NPDES permit WV0076244 (issue date: December 17, 2015; effective date: February 1, 2016; expiration date: December 16, 2020). A NPDES Industrial Reissue Application was submitted electronically to the WVDEP on June 16, 2020, and updated with additional comments on February 11, 2021.

Maintenance and routine operational activities performed at the Dry Run Landfill during 2022 included the following:

- Performed semi-annual inspections of the landfill vegetative cover prior to spring and fall planting seasons per Section C.5 of the permit. Any identified issues were addressed as needed. Seed and straw were added to the drainage area above Outlet 004.
- Conducted monthly site inspections of the landfill cap for desiccation, cracking, erosion, ponding, etc. per Section C.6 of the permit. Any identified issues were addressed as needed.
- Conducted routine mowing of the landfill cap and monitoring wells access areas per Section C.11 of the permit.
- Inspected monitoring well areas monthly and addressed any issues as needed.
- Inspected the aboveground storage tank (AST) containing leachate per the AST regulations.
- Performed maintenance and refueling of the emergency generator as needed.
- Cleaned the sedimentation pond's sand filter in July and added clean sand.
- Used Airmax® Pond Clear to eliminate algal blooms in the sedimentation pond.
- Resampled monitoring wells and collected Phase II parameters per Section C.2.i of the permit.
- Pumped approximately 0.063 million gallons of water from the sump, which collects water from between the sedimentation pond's primary and secondary liners per Section C.14 of the permit. The water was then pumped into the sedimentation pond for eventual treatment at the on-site treatment system.
- Collected and transported 146 loads of 5,000 gallons each, or approximately 0.73 million gallons of leachate to the Chemours Washington Works Plant for treatment and discharge as per Section C.16 of the permit.
- Processed approximately 17 million gallons of water through the GAC treatment system.
- Completed two carbon replacements and backwashes of the GAC treatment system during 2022:
 - February 22, 2022
 - December 22, 2022
- Completed the annual leachate line cleaning associated with the leachate collection system during October 2022 per Section C.13 of the permit.

- The above ground storage tank (AST) repair was completed for the site leachate collection tank and a Fit for Service form was completed and uploaded to the WVDEP ESS site on 09/12/2022.
 - The AST was put back in service to hold leachate on 09/13/2022.
 - Insulation of AST piping was replaced during December 2022.

3.0 Summary of 2022 Monitoring Activities

This section summarizes the dates that discharge monitoring reports (DMRs) were submitted to the WVDEP.

3.1 2022 Outlet Report Summaries

Monitoring of outlets and leachate was conducted as required by WVDEP Solid Waste/NPDES Permit WV0076244 Section A. The table below summarizes the dates that reports were electronically submitted to the agency via the WVDEP Electronic Submission System (ESS).

Date Submitted	Report Title	Report Contents
01/25/2022	DryRun(WV0076244) Dec2021	Monthly outlet parameters
02/24/2022	DryRun(WV0076244) Jan2022	Monthly and semi-annual outlet parameters
03/23/2022	DryRun(WV0076244) Feb2022	Monthly outlet parameters
04/25/2022	DryRun(WV0076244) March2022	Monthly outlet parameters
05/25/2022	DryRun(WV0076244) April2022	Monthly outlet parameters
06/21/2022	DryRun(WV0076244) May2022	Monthly outlet parameters
07/24/2022	DryRun(WV0076244) June2022	Monthly outlet parameters
08/25/2022	DryRun(WV0076244) July2022	Monthly and semi-annual outlet parameters
09/23/2022	DryRun(WV0076244) Aug2022	Monthly outlet parameters
10/24/2022	DryRun(WV0076244) Sept2022	Monthly outlet parameters
11/19/2022	DryRun(WV0076244) Oct2022	Monthly outlet parameters
12/22/2022	DryRun(WV0076244) Nov2022	Monthly outlet parameters
01/23/2023	DryRun(WV0076244) Dec2022	Monthly outlet parameters

3.2 2022 Semi-Annual Monitoring Well Report Summary

Semi-annual groundwater sampling of monitoring wells was performed as required by WVDEP Solid Waste/NPDES Permit WV0076244 Section A. The table below summarizes the dates that the reports were electronically submitted to the agency via the WVDEP ESS.

Date Submitted	Report Title	Report Contents
02/24/2022	DryRun(WV0076244)2H2021	Semi-annual monitoring well parameters
08/25/2022	DryRun(WV0076244)1H22MonWells	Semi-annual monitoring well parameters
TBD	DryRun(WV0076244)2H22MonWells	Semi-annual monitoring well parameters

4.0 Benchmark Monitoring

Permit Modification No. 5 was issued by the WVDEP on May 15, 2019. The monitoring requirements for aluminum and iron at Outlets 003 and 004 were amended to “Report Only.” Instead of limitations, monthly benchmark monitoring for both parameters are to be monitored. The following are aluminum and iron sample results compared to the current benchmarks at Outlets 003 and 004.

Sample Date	Aluminum, Total Recoverable (mg/L)			Iron, Total Recoverable (mg/L)		
	Benchmark	Outlet 003	Outlet 004	Benchmark	Outlet 003	Outlet 004
02/03/2022	0.75	0.575	0.809	1.5	0.54	0.66
04/18/2022	0.75	1.28	1.21	1.5	1.3	1.01
06/14/2022	0.75	0.628	0.415	1.5	0.631	0.312
07/21/2022	0.75	0.7	0.34	1.5	0.654	0.256
08/30/2022	0.75	0.267	0.226	1.5	0.276	0.222
11/30/2022	0.75	0.738	0.652	1.5	0.748	0.601

Sample results from Outlets 003 and 004 during 2022 did not exceed the benchmark for iron. However, Outlet 003 exceeded the benchmark for aluminum once, and Outlet 004 results exceeded the benchmark for aluminum twice during 2022.

Aluminum is contained in the soil and contributes to aluminum sample results by suspended solids when there is loss of vegetation and heavy storms. The drainage area for Outlet 003 was reseeded during the first quarter of 2022 and the vegetation inspected regularly. The area at the top of the drainage path for Outlet 004 is frequently inhabited by deer who nest there overnight and trample the vegetation. Silt fence was replaced around this area during 2022 to deter the deer and eliminate erosion. This area was inspected regularly and reseeded as needed.

A comparison of dissolved aluminum, total recoverable aluminum, and total suspended solids (TSS) results for Outlets 003 and 004 are presented in Table 1. Dissolved aluminum results from both outlets were below benchmark criteria. The total recoverable aluminum results are directly related to TSS. Best management practices are being utilized to decrease TSS in the outlet drainage areas.

5.0 PFOA Monitoring and GAC Treatment System

PFOA analysis is conducted monthly at the following locations: LM-2 (influent to the GAC treatment unit), Outlet 003 (stormwater), Outlet 004 (stormwater), Outlet 006 (effluent water after GAC treatment system), and Outlet 007 (overflow of pond). Outlet 007 is only sampled when the pond has reached full capacity and water overflows the pond through the outlet, which did not occur during 2022.

5.1 Summary of 2022 PFOA Data

In accordance with permit requirements and the electronic DMR submission, PFOA results for samples collected during 2022 at the outlets, the leachate collection point, monitoring wells, and the treatment system are summarized in attached tables:

- Table 2 – Summary of 2022 Monthly Outlet PFOA Results
- Table 3 – Summary of 2022 Semi-Annual Leachate PFOA Results
- Table 4 – Summary of 2022 Semi-Annual Monitoring Wells PFOA Results
- Table 5 – Summary of 2022 Treatment System Influent and Effluent PFOA Results

5.2 PFOA Monitoring

The following numeric effluent limitation values for Outlets 003, 004, 006, and 007 were added per the NPDES Permit Modification No. 5.

Location	Average Monthly Limit (µg/L)	Maximum Daily Limit (µg/L)
Outlet 003	Report Only	6.77
Outlet 004	Report Only	1.55
Outlet 006	0.07	0.48
Outlet 007	0.07	0.48

There was one exceedance for PFOA at Outlet 003 during 2022. The sample was collected on August 30, 2022, with a result of 8.1 µg/L, which exceeded the Maximum Daily limit of 6.77 µg/L. The stormwater runoff area that feeds Outlet 003 is being monitored to ensure stabilized vegetation cover and erosion control products are available to be placed as needed. Internal analytical samples are being collected during storm events of areas that feed the outlet in order to find any potential source of PFOA.

5.3 GAC Treatment System

Corresponding PFOA data for the influent (LM-2) and effluent (Outlet 006) of the GAC treatment system were compared to the permitted numerical limits (see Table 5).

6.0 Statistical Analysis

The Solid Waste/NPDES permit WV0076244 (issued December 17, 2015) requires semi-annual groundwater monitoring of Phase I parameters (Section A), background groundwater quality for each of the monitoring parameters in Sections A.MW-14 and A.MW-18B (Section C.2.e.) and statistical analysis of the results (Section C.2.f.). The statistical analysis should determine whether there is a statistically significant increase over background levels for each Phase I parameter less pH, specific conductance, total suspended solids, and temperature. In order to do this, the Phase I parameter results from monitoring wells MW-12, MW-13, and MW-15 are compared to the results from MW-14, and the Phase I parameters results from MW-16B, MW-17B, MW-19B, and MW-20B are compared to the results from MW-18B.

A statistical analysis of the first half of 2022 semi-annual groundwater monitoring of Phase I parameters was completed, and seven monitoring wells were found to have statistically significant increases over background results (see Table 6). The statistical analysis for the second half of 2022 has not been completed at this time. Once it is completed, the statistical analysis will be attached to the eDMR.

6.1 Phase II Groundwater Monitoring Parameters

Monitoring wells with a Phase I result that has a statistically significant increase over the background concentrations must be sampled for the Phase II groundwater monitoring parameters required by the West Virginia Solid Waste Management Rule (SWMR) Section 4.11.c. (WV0076244, Section C.2.i.). However, the list of Phase II parameters was reduced in the NPDES Permit No. WV0076244 Modification No. 5, issued by the WVDEP on May 15, 2019, to 1,1,1-trichloroethane, bis(2-ethylhexyl)phthalate, chloroethane (ethyl chloride), cresol (2-,4-methylphenol), lead, toluene, total vanadium, and total zinc. Results from the 2022 Phase II sampling are presented in Table 7.

6.2 Assessment of Corrective Measures

Section C.2.j.(1). of the Solid Waste/NPDES Permit No. WV0076244 states the following:

Within ninety (90) days of a finding that any of the constituents listed in the permit have been detected at a statistically significant level exceeding the groundwater protection standards, the permittee must initiate an assessment of corrective measures in accordance with 33 CSR 1, Section 4.11.e.

In accordance with the above requirement, Chemours submitted an Assessment of Corrective Measures (ACM) for Dry Run Landfill on July 27, 2018.

The corrective measures in place at Dry Run Landfill include an engineered cap system, a leachate collection system, and a stormwater collection pond with treatment system. Based on the exposure assessment presented in the ACM, Section 5, additional corrective measures were not proposed due to the lack of any significant potentially complete groundwater or surface-water exposure pathways. Chemours continues to monitor the Phase I constituents, complete statistical analysis on the results, sample all monitoring wells with statistically significant increases over background for Phase II constituents, and report to the WVDEP.

7.0 Groundwater Flow Rate and Direction

The annual requirement to determine the groundwater flow rate and direction as described in the WVDEP Solid Waste/NPDES Permit WV0076244 Section C.2.d was met for the second half of 2022. The 2022 groundwater contour map is attached to this report as Figure 1. The average linear velocity was calculated using site data and is estimated to be 4.38 feet per year, moving from east to west. This groundwater velocity is very similar to the past several years.

Tables

Table 1
Outlets 003 and 004
Aluminum and TSS Results (mg/L)
2022 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Sample Date	Aluminum Benchmark	OUTLET 003			OUTLET 004		
		Aluminum, Dissolved	Total Recoverable Aluminum	Total Suspended Solids	Aluminum, Dissolved	Total Recoverable Aluminum	Total Suspended Solids
02/03/2022	0.75	<0.08	0.575	11	0.195	0.809	12
04/18/2022	0.75	<0.08	1.28	58	0.393	1.21	55.5
06/14/2022	0.75	<0.1	0.628	21.5	0.21	0.415	9.5
07/21/2022	0.75	<0.08	0.7	24	<0.08	0.34	11
08/30/2022	0.75	<0.08	0.267	19	<0.08	0.226	8
11/30/2022	0.75	<0.08	0.738	32.5	<0.08	0.652	23

TSS = total suspended solids
mg/L = milligrams per liter

Table 2
Summary of 2022 Monthly Outlet
PFOA Results (µg/L)
2022 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Monthly Event	Outlet Location - Maximum Daily PFOA (µg/L)						
	LM-2	Outlet 003	Outlet 004	Outlet 006	Outlet 007	SS-1	SS-2
January-22	1.5	No Sample ¹	No Sample ¹	0.045	No Sample ²	0.23	0.067
February-22	0.9	0.72	0.11	<0.0017	No Sample ²	0.28	0.041
March-22	1.9	No Sample ¹	No Sample ¹	<0.0017	No Sample ²	0.36	0.096
April-22	2.2	5.8	0.29	<0.0017	No Sample ²	0.37	0.091
May-22	2.6	No Sample ¹	No Sample ¹	<0.0017	No Sample ²	0.46	0.15
June-22	3.2	1.8	0.097	<0.0017	No Sample ²	0.45	0.082
July-22	1.4	2.6	0.096	<0.0017	No Sample ²	0.33	0.13
August-22	1.4	8.1	0.094	<0.0017	No Sample ²	0.37	0.034
September-22	2.1	No Sample ¹	No Sample ¹	<0.0017	No Sample ²	0.62	0.11
October-22	1.8	No Sample ¹	No Sample ¹	<0.00176	No Sample ²	No Sample ¹	0.0433
November-22	1.5	2.49	0.131	0.0179	No Sample ²	0.368	0.115
December-22	1.71	No Sample ¹	No Sample ¹	0.0277	No Sample ²	0.27	0.112

¹ Sample not collected due to insufficient flow.

² Samples are only collected when high precipitation causes water to overflow at Outlet 007.

PFOA = perfluorooctanoic acid
µg/L = micrograms per liter

**Table 3
 Summary of 2022 Quarterly Leachate
 PFOA Results (µg/L)
 2022 Annual Report
 Dry Run Landfill, Lubeck, West Virginia**

	Leachate
Quarterly Event	LM-1
1Q2022	59
2Q2022	39
3Q2022	33
4Q2022	55.2

PFOA = perfluorooctanoic acid
 µg/L = micrograms per liter

Table 4
Summary of 2022 Semi-Annual Monitoring Wells
PFOA Results (µg/L)
2022 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Monitoring Well	Semi-Annual Event - PFOA (µg/L)	
	1H2022	2H2022
MW-6A	0.37	0.339
MW-12	0.054	0.0721
MW-12A	0.045	0.0559
MW-12B	0.059	0.0646
MW-13	10	13
MW-13A	0.73	0.567
MW-14	0.043	0.0391
MW-15	1.4	0.147
MW-16B	0.0065	0.00775
MW-17B	0.031	0.0248
MW-18B	0.0092	0.00613
MW-19B	0.013	0.0118
MW-20B	0.024	0.025
MW-21A	0.24	0.342

PFOA = perfluorooctanoic acid
µg/L = micrograms per liter

Table 5
Summary of 2022 Treatment System Influent and Effluent PFOA Results
2022 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Month	PFOA (µg/L)			
	LM2	Outlet 006	Average Monthly Limit	Maximum Daily Limit
Jan-22	1.5	0.045	0.07	0.48
Feb-22	0.9	<0.0017	0.07	0.48
Mar-22	1.9	<0.0017	0.07	0.48
Apr-22	2.2	<0.0017	0.07	0.48
May-22	2.6	<0.0017	0.07	0.48
Jun-22	3.2	<0.0017	0.07	0.48
Jul-22	1.4	<0.0017	0.07	0.48
Aug-22	1.4	<0.0017	0.07	0.48
Sep-22	2.1	<0.0017	0.07	0.48
Oct-22	1.8	<0.00176	0.07	0.48
Nov-22	1.5	0.0179	0.07	0.48
Dec-22	1.71	0.0277	0.07	0.48

PFOA = perfluorooctanoic acid

µg/L = micrograms per liter

Table 6
Summary of First Half of 2022 Semi-Annual Monitoring Well
Statistically Significant Results
2022 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Statistically Significant as Compared to MW-14:

Phase I Parameter	Units	UPL	MW-12	MW-13	MW-15
Fluoride	mg/L	1.1			1.6
Nitrate Nitrogen	mg/L	0.123	0.125	1.29	0.956
PFOA	µg/L	0.055		10	1.55
Sulfate	mg/L	17.4	27.8	28.7	45.5
Total Organic Carbon	mg/L	4.57			28.6

Statistically Significant as Compared to MW-18B:

Phase I Parameter	Units	UPL	MW-16B	MW-17B	MW-19B	MW-20B
Boron	mg/L	0.259	0.321			
Fluoride	mg/L	2	2.5			2.4
Nitrate Nitrogen	mg/L	0.109	0.426			
PFOA	µg/L	0.015	0.065	0.031		0.024
Sulfate	mg/L	16.9	18.9			28.6
Total Organic Carbon	mg/L	3.7			5.85	5.32

µg/L = micrograms per liter

mg/L = milligrams per liter

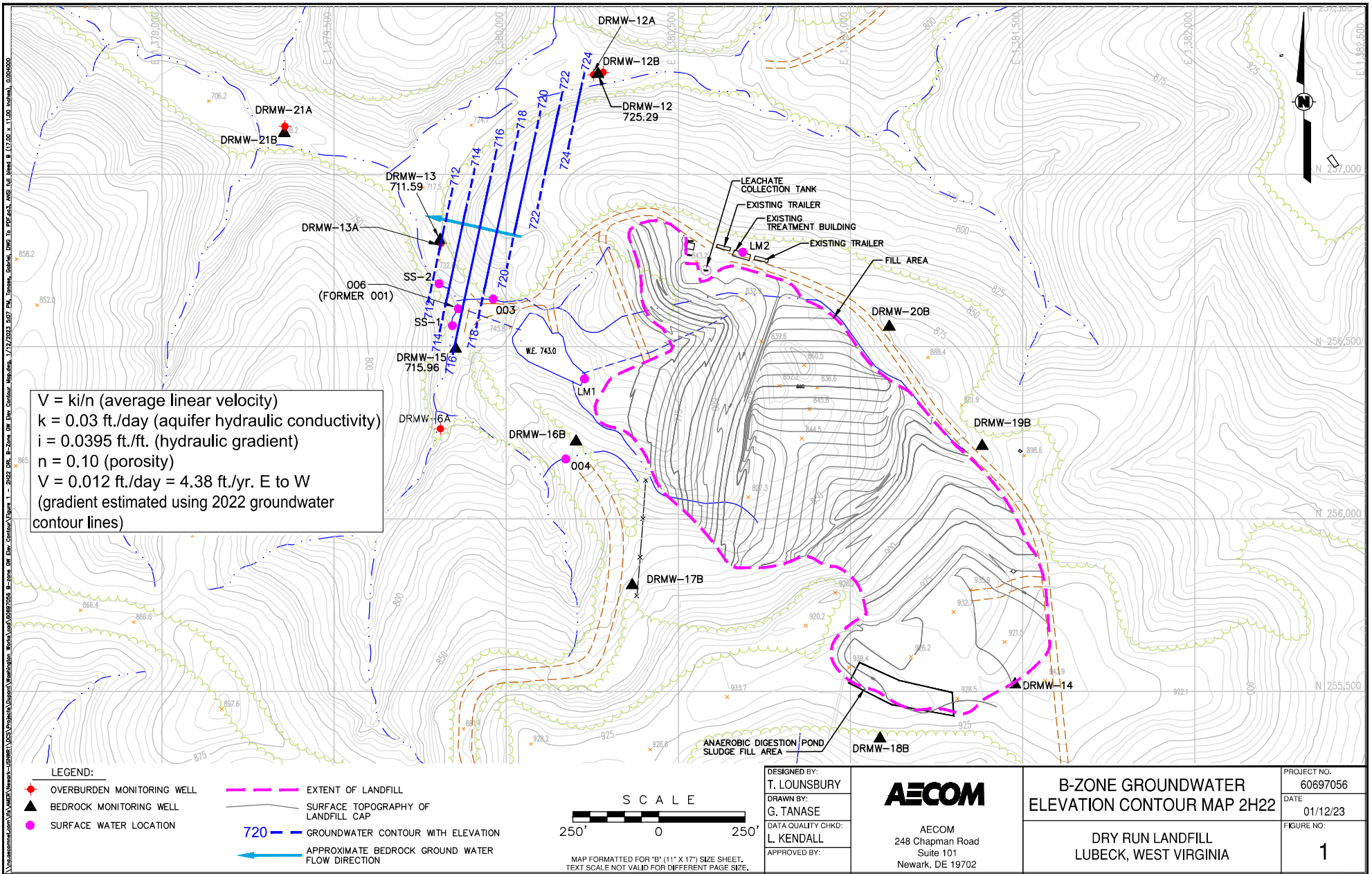
Table 7
Summary of First Half of 2022 Semi-Annual Monitoring Well
Phase II Sample Results
2022 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Phase II Parameter	Units	MW-12	MW-13	MW-15	MW-16B	MW-17B	MW-20B
1,1,1-Trichloroethane	µg/L	< 0.2	< 0.2	< 0.2	0.88	< 0.2	< 0.2
2-Methylphenol (o-Cresol)	µg/L	< 2.55	< 2.5	< 2.5	< 2.5	< 2.58	< 2.5
3-,4-Methylphenol (Cresol)	µg/L	< 2.55	< 2.5	< 2.5	< 2.5	< 2.58	< 2.5
Bis(2-Ethylhexyl)Phthalate	µg/L	< 2.55	< 2.5	9.08	< 2.5	< 2.58	< 2.5
Chloroethane (Ethyl chloride)	µg/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Lead	mg/L	< 0.0005	< 0.0005	0.00053	< 0.0005	< 0.0005	< 0.0005
Toluene	µg/L	< 0.1	0.18	< 0.1	< 0.1	< 0.1	0.3
Vanadium	mg/L	< 0.005	0.00686	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

µg/L = micrograms per liter

mg/L = milligrams per liter

Figures



$V = ki/n$ (average linear velocity)
 $k = 0.03$ ft./day (aquifer hydraulic conductivity)
 $i = 0.0395$ ft./ft. (hydraulic gradient)
 $n = 0.10$ (porosity)
 $V = 0.012$ ft./day = 4.38 ft./yr. E to W
 (gradient estimated using 2022 groundwater contour lines)

STATE OF WEST VIRGINIA
Department of Environmental Protection
Environmental Enforcement
NOTICE OF VIOLATION

Violation No. W22-54-062302-CAC

To the Operator or Agent of:

Facility Name: Dry Run Landfill Permit No. WV0076244

Permittee or Individual The Chemours Company FC, LLC.

Located at or near Washington in Wood County

Representative Lucinda Kendall Date 6/23/2022 Time 11:20 am

Address / phone number PO Box 2047 Wilmington, DE 19899 302-773-0067

Whereas, an inspection of the above named operation by the undersigned, duly authorized agent of the Secretary, at which the following described condition or practice exists, in violation of Chapter ____, Article ____, Section(s) ____ of the Code of West Virginia and/or Section(s) ____ of the Rules and Regulations and/or Section(s) A. 006 (Discharge Limitations and Monitoring Requirements) of the Permit referenced above promulgated thereunder in that you:

Exceeded permitted effluent limitations at outlet number 006 see attached exceedance table.

The following corrective measures were discussed with you at the time of this inspection: N/A

Within 20 days provide a written response to the inspector named below, at the address indicated, detailing the actions taken to abate this violation

Received by:

“Mailed Certified” - 9489 0090 0027 6362 2543 16

Signature

Title

Casey Cowan

Handwritten signature of Casey Cowan

Duly Authorized Agent / Inspector

304-932-6246

Telephone

casey.a.cowan@wv.gov

E-mail

Send Response to the Inspector at the address or email indicated below:

WV Department of Environmental Protection
Environmental Enforcement / WW
2311 E Ohio Ave, Parkersburg, WV 26101
casey.a.cowan@wv.gov

August 2, 2022

Dear EE RH:

The following is in response to your request for proof of delivery on your item with the tracking number:
9489 0090 0027 6362 2543 16.


Item Details


Status:	Delivered, Individual Picked Up at Post Office
Status Date / Time:	August 2, 2022, 8:31 am
Location:	WILMINGTON, DE 19801
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic

Shipment Details

Weight:	6lb, 0.4oz
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Recipient Signature

Signature of Recipient:	
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Address of Recipient:	
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Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004



west virginia department of environmental protection

Environmental Enforcement
Water and Waste
601 57th St SE
Charleston, WV 25304
Phone: 304-926-0470

Harold D. Ward, Cabinet Secretary
dep.wv.gov

July 28th, 2022

Bart Ruitter
The Chemours Company
PO Box 2047
Wilmington, DE 19899

Certified Return Receipt Requested
Cert # 9489 0090 0027 6362 2543 16

Dear Mr. Ruitter:

Enclosed is the compliance inspection report conducted at the Dry Run Landfill, (WV0076244), on June 23rd, 2022. A copy of this inspection is being forwarded to the U.S. Environmental Protection Agency, Region III and the Department of Environmental Protection's Division of Water and Waste Management.

The overall operation and maintenance of your facility is in compliance; however, some minor deficiencies were noted during this inspection and should be corrected in a timely manner.

If you have any questions, please contact Ryan Harbison at (304) 926-0499 ext. 49771.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Harbison". The signature is written in a cursive, flowing style.

Ryan Harbison
Environmental Inspector Supervisor

nlh
enclosure

cc: Casey Cowan, Environmental Inspector, EE/WW (via e-mail)
Shyrel Moellendick, MSSS I, EE/WW (via e-mail)

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ENVIRONMENTAL ENFORCEMENT
LANDFILL INSPECTION REPORT**

Name: Dry Run Landfill		Permit /Reg. # WV0076244	Expiration Date: 3/28/2026
Permittee: The Chemours Company FC, LLC			
Site Representative /Title: Lucinda Kendall – AECOM Consultant Rob Cunningham – EH&S Tech Will Burns - EH&S Tech			
Location: Washington		Entry Date / Time: 6/23/2022 11:20 am	
County: Wood		Exit Date / Time: 6/23/2022 12:03 pm	
Address /Phone: 1007 Markt St. PO Box 2047 Wilmington, DE 19899 302-773-0067	Regular Mail: <input type="checkbox"/> Certified Mail: <input checked="" type="checkbox"/>	Photos: <input checked="" type="checkbox"/>	Samples: <input type="checkbox"/>
	Tracking # 9489 0090 0027 6362 2543 16		
Current Monthly Tonnage N/A	Status of Operation: Active <input type="checkbox"/> Inactive <input type="checkbox"/> Not Started <input type="checkbox"/> Closed <input checked="" type="checkbox"/>		

Rating: S-Satisfactory M-Marginal U-Unsatisfactory N/A-Not Applicable N/O-Not Observed N/D-Not Determined This Visit Y-Yes N-No

LEACHATE MANAGEMENT

1. Leachate Collection	S	7. Treatment Plant	S	13. Storm Water	S
2. Leachate Storage	S	8. Monitoring Wells	S	14. Ponds	S
3. Leachate Treatment	S	9. Monitoring Report	S	15. Other	-
4. Leachate Detection	N/D	10. Spray Back Recirculation	N/A	16. Other	-
5. Liner Construction	N/O	11. Pump and Transport	N/O	17. Other	-
6. Liner Maintenance	N/D	12. Sewer Hook Up	N/A	18. Other	-

SITE MANAGEMENT

19. Odor Control	N/A	31. Diversion Ditches	S	44. Asbestos Disposal	N/A
20. Fire Control	N/A	32. Revegetation	S	45. Shredder Fluff Disposal	N/A
21. Gas Management	N/A	33. Access Roads	S	46. Drum Disposal	N/A
22. Equipment	N/O	34. Access Control	S	47. DMRs	U
23. Contaminated Soil Disp.	N/A	35. Operational Plan	N/A	48. Other	-
24. Tire Disposal	N/A	36. Haz. Waste Exclusion Plan	N/A	49. Other	-
25. Sludge Disposal	N/D	37. Placement and Compaction	N/A	50. Other	-
26. Infectious Waste Disp.	N/A	39. Certifications	N/A	51. Other	-
27. Daily Cover	N/A	40. Control Wind Blown	N/A	52. Other	-
28. Intermediate Cover	N/A	41. Dust Control	N/A	53. Other	-
29. Final Cover	S	42. Vector Control	N/A	54. Other	-
30. Erosion Control	S	43. Records	S	55. Other	-

Is there a Leachate discharge into a receiving stream: Yes No Receiving Stream _____

Overall Facility Rating:
Marginal

Compliance Outcome:
Violations Not Immediately Corrected

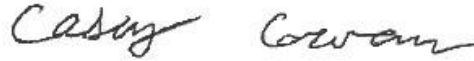
NOVs issued:
1

COMMENTS:

- [2] The leachate storage tank was out of service at the time of inspection because seals were damaged during cleaning. A frack tank is being utilized until maintenance can be performed on the AST. Plans to fix the tank were in place at the time of inspection.
- [3] The GAC treatment system is maintaining an efficiency of 95% or greater in the reduction of PFOA in a 3 month rolling average.
- [8] Monitoring wells checked during this inspection were locked and the concrete pads were in good condition.
- [9] Monitoring reports are being submitted semiannually as required by permit.
- [14] Pond embankments appeared to be well maintained. No sign of tree or shrub growth was observed.

- [29] Vegetation was well established on the site.
- [30] No erosion issues were observed during this inspection.
- [43] Records of monthly inspections are being kept and were available for review during this inspection.
- [47] A two-year review of discharge monitoring reports was conducted as part of this facilities inspection. It was found that this facility has exceeded permitted effluent limitations at Outlet 006. **NOV No. W22-54-062302-CAC** is issued.

Inspector:



Casey Cowan

Telephone:

304-932-6246

§47-63-5.1.a.
14-Day Secondary Containment Inspection

Site: Dry Run
AST #: 054-0000625
AST Name: Leachate

Owner: Chemours
Operators: Rob Cunningham
Will Burns

Note: If grey highlighted square is checked, it requires repair/replacement. Notify AECOM Project Manager Tobin Lounsbury (302-781-5924) and Chemours Project Director Bart Ruiter (302-773-0067) ASAP.

Date	Is there evidence of wear, corrosion, or deterioration of the secondary containment?		Is there evidence of deterioration of concrete pad and supports?		Is there evidence of leaks from AST?		Is there evidence of leaks from secondary containment?		Are there signs of leaks from piping and/or valves?		Is the leachate fill height gauge damaged or unable to read?		Do you need to replace spill kits?		Comments / Repairs
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1/12/2022	✓		✓	✓	✓				✓	✓			✓		OUT OF SERVICE USING TEMPORARY STORAGE TANK
1/26/2022	✓		✓	✓	✓				✓	✓			✓		OUT OF SERVICE
2/9/2022	✓		✓	✓	✓				✓	✓			✓		OUT OF SERVICE
2/23/2022	✓		✓	✓	✓				✓	✓			✓		OUT OF SERVICE
3/9/2022	✓		✓	✓	✓				✓	✓			✓		OUT OF SERVICE

6/23/2022 11:23

Leachate storage tank is not in operation – 6/23/2022 11:23 am

Monthly Inspections

Month: MAY Auditor: ROB CUNNINGHAM
Year: 2022 Date: 5-31-22
Project Site: DRY RUN LANDFILL

	Yes	No	Observations	Follow Up Person	Date and Corrective Action
Is there evidence of cracking or erosion, which would allow waters to enter solid waste deposits?		✓	NO EVIDENCE SEEN		
Evidence of settling of solid waste causing ponding of surface waters?		✓	NO EVIDENCE SEEN		
Issues or changes with storm water collection pond(s)?	✓		LOTS OF ALGAE GROWTH IN POND	RC WB	ADDED POND CLEAR
Issues or changes with storm water outlets?		✓	NO ISSUES		
Issues or changes with access road, gate, and/or fence?	✓		ROAD HAS SEVERAL POTHoles	RC WB	BOSO WILL REPAIR ROAD WHEN AVAILABLE.

6/23/2022 11:26

Monthly inspections are being conducted – 6/23/2022 11:26 am

Weekly DRL Plant Inspection Form
Date: 6-13-22

A. Pressure Gauges/Flow Reading

1. System Influent Pressure Sustaining Valve	35
2. Cartridge Filter (F-103) Influent	12
3. Cartridge Filter (F-103) Effluent	12
4. GAC PT Pressure	12
5. GAC Lead Bed Pressure	6
6. GAC Lag Bed Pressure	2
7. Filter Feed Pump Effluent	40
8. System Flow (GPM)	80 GPM
9. Total Flow (Gallons)	225,483.00
10. PH Probe System Effluent	7.98
11. Pond level	9.42

B. General System Check

1. Lights checked and in good condition	7 LIGHTS NEED REPLACED
2. Above Ground Piping Checked	OK
3. Underground Piping Checked for leaks	OK
4. Leachate pump station (2) inspected	OK
5. Under-Drain pump station inspected	OK
6. Generator check (Fuel and Oil Levels)	OK
7. Generator Hours	506.0
8. Generator Starts	923
9. Electrical Distribution Center	OK
10. Grease Fittings (Filter Feed Pump)	OK

C. System Repairs or Problems Noted (Describe Below)

Signed: Rob Coughlin 6/23/2022 11:25

Treatment plant inspections conducted weekly – 6/23/2022 11:25 am



Cartridge filter – 6/23/2022 11:06 am



Carbon filters – 6/23/2022 11:04 am



5,000 gallon underground treated leachate storage tank, tank discharges to outlet 006 – 6/23/2022 11:18 am

WV0076244 – Dry Run – Landfill inspection- Photo Attachment – 6/23/2022



Leachate above ground storage tank was found to be leaking after seals were compromised during a cleaning. Plans are in place to replace leaking seals – 6/23/2022 11:04 am



Leachate is temporarily being stored in a frack tank – 6/23/2022 11:19 am

WV0076244 – Dry Run – Landfill inspection- Photo Attachment – 6/23/2022



Landfill overview, no issues with final cover were noted during the inspection – 6/23/2022 11:04 am



Landfill overview – 6/23/2022 11:19 am

WV0076244 – Dry Run – Landfill inspection- Photo Attachment – 6/23/2022



Collection pond overview – 6/23/2022 11:30 am



Outlet 007 marker – 6/23/2022 11:32 am



Outlet 003 marker – 6/23/2022 11:41 am



Outlet 003 – 6/23/2022 11:42 am



Outlet 006 marker – 6/23/2022 11:43 am



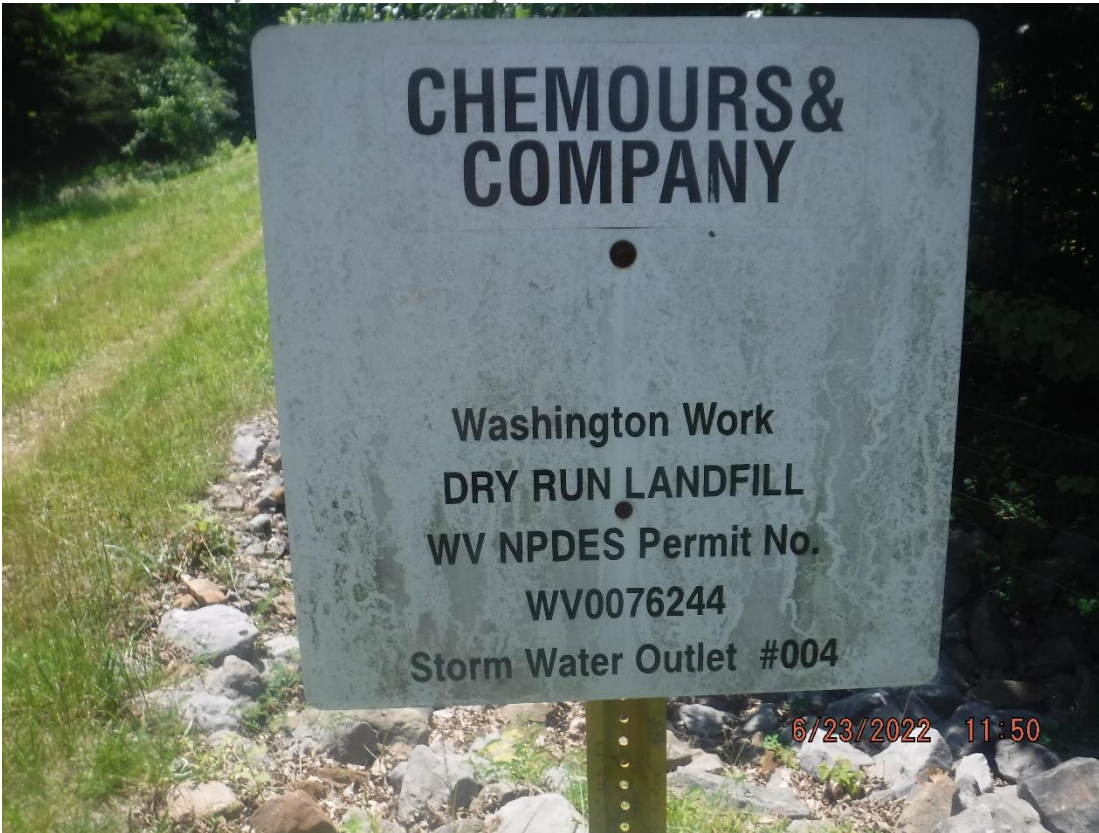
Outlet 006 – 6/23/2022 11:43 am



Upstream sample point marker – 6/23/2022 11:44 am



MW 15, monitoring wells observed during the inspection were found to be in good condition - 6/23/2022 11:44 am



Outlet 004 marker – 6/23/2022 11:50 am



Outlet 004 – 6/23/2022 11:50 am

STATE OF WEST VIRGINIA
Department of Environmental Protection
Environmental Enforcement
NOTICE OF VIOLATION

Violation No. W22-54-062302-CAC

To the Operator or Agent of:

Facility Name: Dry Run Landfill Permit No. WV0076244

Permittee or Individual The Chemours Company FC, LLC.

Located at or near Washington in Wood County

Representative Lucinda Kendall Date 6/23/2022 Time 11:20 am

Address / phone number PO Box 2047 Wilmington, DE 19899 302-773-0067

Whereas, an inspection of the above named operation by the undersigned, duly authorized agent of the Secretary, at which the following described condition or practice exists, in violation of Chapter ____, Article ____, Section(s) ____ of the Code of West Virginia and/or Section(s) ____ of the Rules and Regulations and/or Section(s) A. 006 (Discharge Limitations and Monitoring Requirements) of the Permit referenced above promulgated thereunder in that you:

Exceeded permitted effluent limitations at outlet number 006 see attached exceedance table.

The following corrective measures were discussed with you at the time of this inspection: N/A

Within 20 days provide a written response to the inspector named below, at the address indicated, detailing the actions taken to abate this violation

Received by:

"Mailed Certified" - 9489 0090 0027 6362 2543 16

Signature

Title

Casey Cowan

Handwritten signature of Casey Cowan

Duly Authorized Agent / Inspector

304-932-6246

Telephone

casey.a.cowan@wv.gov

E-mail

Send Response to the Inspector at the address or email indicated below:

WV Department of Environmental Protection
Environmental Enforcement / WW
2311 E Ohio Ave, Parkersburg, WV 26101
casey.a.cowan@wv.gov

Outlet 006 DMR Exceedances - AVG. MONTHLY - June 2020 through May 2022						Degree of non-compliance		
Date	Parameter	Units	Permitted avg. monthly	Reported avg. monthly	% Exceedance	Min	Mod	Maj
12/2020	PFOA	ug/l	0.07	0.0895	28%	X	-	-
Outlet 006 Totals						Degree of non-compliance		
						Min	Mod	Maj
						1	0	0

August 2, 2022

Dear EE RH:

The following is in response to your request for proof of delivery on your item with the tracking number:
9489 0090 0027 6362 2543 16.

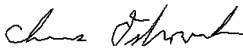
Item Details

Status:	Delivered, Individual Picked Up at Post Office
Status Date / Time:	August 2, 2022, 8:31 am
Location:	WILMINGTON, DE 19801
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic

Shipment Details

Weight:	6lb, 0.4oz
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Recipient Signature

Signature of Recipient:	
Address of Recipient:	2047

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

2019 Annual Report

Dry Run Landfill
Lubeck, West Virginia

Submitted on behalf of:
The Chemours Company

Submitted by:
AECOM
Sabre Building
Suite 300
4051 Ogletown Road
Newark, DE 19713

Project Number: 60594186
Date: January 2020

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1.0 Introduction

This 2019 annual report for Chemours Company's Dry Run Landfill, located in Lubeck, West Virginia satisfies the requirements found in C.2.d, C.3.b, C.13, C.14, and C.16 of the West Virginia Department of Environmental Protection (WVDEP) Solid Waste/National Pollutant Discharge Elimination System (NPDES) permit WV0076244 (issue date: December 17, 2015, effective date: February 1, 2016).

This report contains the following sections:

- Section 2 describes the status and maintenance of landfill.
- Section 3 summarizes the 2019 permit required reporting activities.
- Section 4 summarizes the NPDES Permit Modification No. 5, effective May 15, 2019.
- Section 5 summarizes the 2019 perfluorooctanoic acid (PFOA) sample results.
- Section 6 summarizes the granular activated carbon (GAC) treatment system efficiency during 2019.
- Section 7 presents the groundwater flow rate and direction in the B-Zone aquifer.

2.0 Status and Maintenance of Landfill

Dry Run Landfill is a closed industrial landfill; its status was unchanged during 2019. Operations were conducted in accordance with the requirements in the WVDEP Solid Waste/NPDES permit WV0076244 (issue date: December 17, 2015, effective date: February 1, 2016).

Maintenance and routine operational activities performed at the Dry Run Landfill during 2019 included the following:

- Performed semi-annual inspections of the landfill vegetative cover prior to spring and fall planting seasons per Section C.5 of the permit. Any identified issues were addressed, as needed. Re-seeded the cap during May 2019 to ensure vegetative coverage.
- Conducted monthly site inspections of the landfill cap for desiccation, cracking, erosion, ponding, etc. per Section C.6 of the permit. Any identified issues were addressed, as needed.
- Conducted routine mowing of the landfill cap and monitoring wells access areas, per Section C.11 of the permit.
- Inspected monitoring well areas monthly and addressed any issues as needed.
- Performed maintenance and refueling of the emergency generator as needed.
- Pumped approximately 0.064 million gallons of water from the sump, which collects water from between the sedimentation pond's primary and secondary liners per Section C.14 of the permit. The water was then pumped into the sedimentation pond for eventual treatment at the on-site treatment system.
- Collected and transported approximately 0.85 million gallons of leachate to the Washington Works Plant for treatment and discharge as per Section C.16 of the permit.
- Processed approximately 15.88 million gallons of water using the GAC treatment system.
- Completed two carbon replacements and backwashes of the GAC treatment system during 2019:
 - February 26 – 27, 2019
 - July 10 – 11, 2019
- Provided routine operation and maintenance activities of the treatment system.
- Removed an old work trailer from the landfill property for disposal during March 27-28, 2019.
- Conducted road and culvert repair work on the property surrounding the landfill during April 2019.
- Amy Higgs of the WVDEP completed an aboveground storage tank (AST) Compliance Monitoring Inspection (CMI) of the Leachate Tank 054-00000625 on April 22, 2019. The tank was found to continue to be of sound integrity. However, there were deficiencies found in record keeping and three Notices of Violations (NOVs) were issued. Immediate corrective action was taken for all of the deficiencies, and documentation was supplied to the WVDEP.

- Replaced the leachate pump panel electronics in April 2019.
- Received Modification No. 5 for the WVDEP Solid Waste/NPDES permit WV0076244, issued on May 15, 2019, effective immediately. Three changes were made to the permit, with all other terms and conditions of the existing permit remaining in effect and unchanged (see Section 4.0).
 - PFOA monitoring requirements for Outlets 003, 004, 006, and 007 in Condition C.19 of the existing permit were eliminated. Numeric effluent limitation values were substituted in lieu of the 95% removal limitation previously required.
 - Aluminum and iron monitoring requirements at Outlets 003 and 004 were amended to “Report Only,” with benchmark monitoring.
 - The Phase II groundwater monitoring parameters required by the Solid Waste Management Rule (SWMR) Section 4.11.c were reduced.
- Cleaned the pond sand filter bed on July 1-2, 2019, per Section C.7 of the permit.
- Completed the annual leachate line cleaning associated with the leachate collection system per Section C.13 of the permit on November 11-13, 2019.
- A consulting team member attended the West Virginia Tanks Conference on November 14, 2019.
- The leachate pump was replaced on November 21, 2019.
- Released untreated pond water through the by-pass valve at Outlet 006 on December 17, 2019, due to extreme rainfall accumulations causing the pond to fill to capacity. Samples were collected from Outlet 006 during the by-pass event, and results were included with the monthly electronic DMR submission.
 - 2 inches rain and 1 inch of snow melt during the previous night contributed to filling the pond close to capacity.
 - The by-pass valve was open for four hours with an approximate flow of 500 gallons per minute (gpm).

3.0 Summary of 2019 Reporting Activities

This section summarizes the dates that discharge monitoring reports (DMRs) were submitted to the WVDEP. As of April 1, 2018, the WVDEP began allowing submittals of DMRs on or before the 25th day of the month following the end of the monitoring period.

3.1 2019 Outlet Report Summaries

Monitoring of outlets and leachate was conducted as required by WVDEP Solid Waste/NPDES Permit WV0076244 Section A. The table below summarizes the dates that reports were electronically submitted to the agency via the WVDEP Electronic Submission System (ESS).

Date Submitted	Report Title	Report Contents
01/22/2019	DryRun(WV0076244) Dec2018 (01/15/2019)	Monthly outlet parameters
02/25/2019	DryRun(WV0076244) Jan2019 (02/14/2019)	Monthly and semi-annual outlet parameters
03/25/2019	DryRun(WV0076244) Feb2019 (03/15/2019)	Monthly outlet parameters
04/25/2019	DryRun(WV0076244) March2019 (04/09/2019)	Monthly outlet parameters
05/22/2019	DryRun(WV0076244) April2019 (05/20/2019)	Monthly outlet parameters
06/25/2019	DryRun(WV0076244) May2019 (06/03/2019)	Monthly outlet parameters
07/25/2019	DryRun(WV0076244) June2019 (07/15/2019)	Monthly outlet parameters
08/25/2019	DryRun(WV0076244) July2019 (08/08/2019)	Monthly and semi-annual outlet parameters
09/25/2019	DryRun(WV0076244) Aug2019 (09/17/2019)	Monthly outlet parameters
10/25/2019	DryRun(WV0076244) Sept2019 (10/21/2019)	Monthly outlet parameters
11/23/2019	DryRun(WV0076244) Oct2019 (11/18/2019)	Monthly outlet parameters
12/24/2019	DryRun(WV0076244) Nov2019 (12/10/2019)	Monthly outlet parameters
TBD	DryRun(WV0076244) Dec2019 (01/09/2020)	Monthly outlet parameters

3.2 2019 Semi-Annual Monitoring Well Report Summary

Semi-annual groundwater sampling of monitoring wells was performed as required by WVDEP Solid Waste/NPDES Permit WV0076244 Section A. The table below summarizes the dates that the reports were electronically submitted to the agency via the WVDEP ESS.

Date Submitted	Report Title	Report Contents
02/25/2019	DryRun(WV0076244)2H18MonWells (12/05/2018)	Semi-annual monitoring well parameters
08/25/2019	DryRun(WV0076244)1H19MonWells (08/19/2019)	Semi-annual monitoring well parameters
TBD	DryRun(WV0076244)2H19MonWells (01/16/2020)	Semi-annual monitoring well parameters

4.0 Permit Modification No.5

The Chemours Company attended a meeting with the WVDEP on June 7, 2018 to discuss potential modifications to the WVDEP Solid Waste/NPDES permit WV0076244 for Dry Run Landfill. A permit modification application titled *Dry Run (WV0076244) Permit Mod June 2018 (01/10/2018)* was then submitted via the WVDEP ESS on July 10, 2018. Permit Modification No. 5 was issued by the WVDEP on May 15, 2019.

The following subsections lists changes that were effective immediately, with all other terms and conditions of the existing permit to remain in effect and unchanged.

4.1 PFOA Monitoring

The monitoring requirements for PFOA at Outlets 003, 004, 006, and 007 in Condition C.19 of the existing permit were eliminated. Numeric effluent limitation values were substituted in lieu of the 95% removal limitation previously required. The following are the current PFOA limitation values for Outlets 003, 004, 006, and 007.

Location	Average Monthly Limit (µg/L)	Maximum Daily Limit (µg/L)
Outlet 003	Report Only	6.77
Outlet 004	Report Only	1.56
Outlet 006	0.65	0.99
Outlet 007	0.65	0.99

4.2 Aluminum and Iron Benchmark Monitoring

The monitoring requirements for aluminum and iron at Outlets 003 and 004 were amended to "Report Only." Instead of limitations, monthly benchmark monitoring for both parameters will continue to be monitored. The following are the current benchmarks for aluminum and iron at Outlets 003 and 004.

Location	Benchmark for Aluminum (mg/L)	Benchmark for Iron (mg/L)
Outlet 003	0.75	1.5
Outlet 004	0.75	1.5

4.3 Phase II Groundwater Monitoring Parameters

The Phase II groundwater monitoring parameters required by the SWMR Section 4.11.c were reduced to the following.

Phase II Parameter	CAS RN ³
1,1,1-Trichloroethane; Methylchloroform	71-55-6
Bis(2-ethylhexyl)phthalate	117-81-7
Chloroethane; Ethyl Chloride	75-00-3
Toluene	108-88-3
Vanadium, Total	(Total)
Zinc, Total	(Total)
Lead	7439-92-1
Cresol	1319-77-3

5.0 Summary of 2019 PFOA Data

PFOA data for samples collected during 2019 at the outlets, the leachate collection point, and monitoring wells are summarized in attached tables:

- Table 1 – Summary of 2019 Monthly Outlet PFOA Results
- Table 2 – Summary of 2019 Semi-Annual Leachate PFOA Results
- Table 3 – Summary of 2019 Semi-Annual Monitoring Wells PFOA Results
- Table 4 – Summary of 2019 Treatment System Removal Efficiency

6.0 Granulated Activated Carbon (GAC) Treatment System Efficiency

PFOA analysis is conducted monthly at the following locations: LM-2 (influent to the granular activated carbon treatment unit), Outlet 003 (stormwater), Outlet 004(stormwater), Outlet 006 (effluent water after GAC treatment system), and Outlet 007 (overflow of pond). Outlet 007 is only sampled when the pond has reached full capacity and water overflows the pond through the outlet.

Modification No. 5 to the Dry Run Landfill WVDEP Solid Waste/NPDES Permit WV0076244 details updated monitoring requirements for PFOA at Outlets 003, 004, 006, and 007. Numeric effluent limitation values were substituted in lieu of the 95% removal limitation previously required. During 2019, the four outlets did not exceed their limitations for PFOA.

In accordance with the permit requirement and the electronic DMR submission, a summary of PFOA results from 2019 collected at LM-2, Outlets 003, 004, 006, and 007, and SS-1 and SS-2 is presented in Table 1. During 2019, Outlet 007 did not have any flow and is therefore shown as “No Sample” in Table 1. Corresponding PFOA data for LM-2 and Outlet 006 were used to calculate percent reductions of PFOA through the treatment system and are summarized in Table 4. The efficiency of the treatment system ranged from 95.64% to 99.95% reduction of PFOA during January through November 2019. On December 17, 2019, the by-pass valve had to be opened due to rain causing the pond level to rise rapidly. On that date, a PFOA sample was collected with the result of 0.61 µg/L, which exceeded the monthly average and daily maximum limits of 0.07 µg/L and 0.48 µg/L. Using this result from untreated water in the efficiency calculation results in a 73.48% reduction in PFOA during December 2019.

7.0 Groundwater Flow Rate and Direction

The annual requirement to determine the groundwater flow rate and direction as described in the WVDEP Solid Waste/NPDES Permit WV0076244 Section C.2.d was met for the second half of 2019. The 2019 groundwater contour map is attached to this report as Figure 1. The average linear velocity was calculated using site data and is estimated to be 4.16 feet per year, moving from east to west. This groundwater velocity is very similar to the past several years.

Tables

Table 1
Summary of 2019 Monthly Outlet
PFOA Results (µg/L)
2019 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Monthly Event	Outlet Location - Maximum Daily PFOA (µg/L)						
	LM-2	Outlet 003	Outlet 004	Outlet 006	Outlet 007	SS-1	SS-2
January-19	4	2.6	0.24	0.1	No Sample ²	0.42	0.29
February-19	3.9	3.1	0.59	0.17	No Sample ²	0.36	0.42
March-19	2.8	2.8	0.3	< 0.005	No Sample ²	0.34	0.051
April-19	5.2	2.1	0.26	< 0.005	No Sample ²	0.44	0.031
May-19	4.5	No Sample ¹	No Sample ¹	< 0.005	No Sample ²	0.58	0.36
June-19	4.5	4.1	0.33	< 0.005	No Sample ²	0.62	0.19
July-19	10	No Sample ¹	No Sample ¹	< 0.005	No Sample ²	No Sample ¹	0.072
August-19	2.3	4.7	0.32	< 0.005	No Sample ²	0.25	0.023
September-19	3.4	No Sample ¹	No Sample ¹	< 0.005	No Sample ²	No Sample ¹	< 0.005
October-19	2.8	2.5	0.11	< 0.005	No Sample ²	0.43	0.039
November-19	1.8	3.3	0.17	< 0.005	No Sample ²	0.2	0.011
December-19	2.3	1.5	0.13	0.61 *	No Sample ²	0.24	0.095

¹ Sample not collected due to insufficient flow.

² Samples are only collected when high precipitation causes water to overflow at Outlet 007.

* A daily maximum of 0.61 µg/L occurred on December 17, 2019, while the by-pass valve was opened.

Table 2
Summary of 2019 Semi-Annual Leachate
PFOA Results (µg/L)
2019 Annual Report
Dry Run Landfill, Lubeck, West Virginia

	Semi-Annual Event - PFOA (µg/L)	
Leachate	1H2019	2H2019
LM-1	42	53

Table 3
Summary of 2019 Semi-Annual Monitoring Wells
PFOA Results (µg/L)
2019 Annual Report
Dry Run Landfill, Lubeck, West Virginia

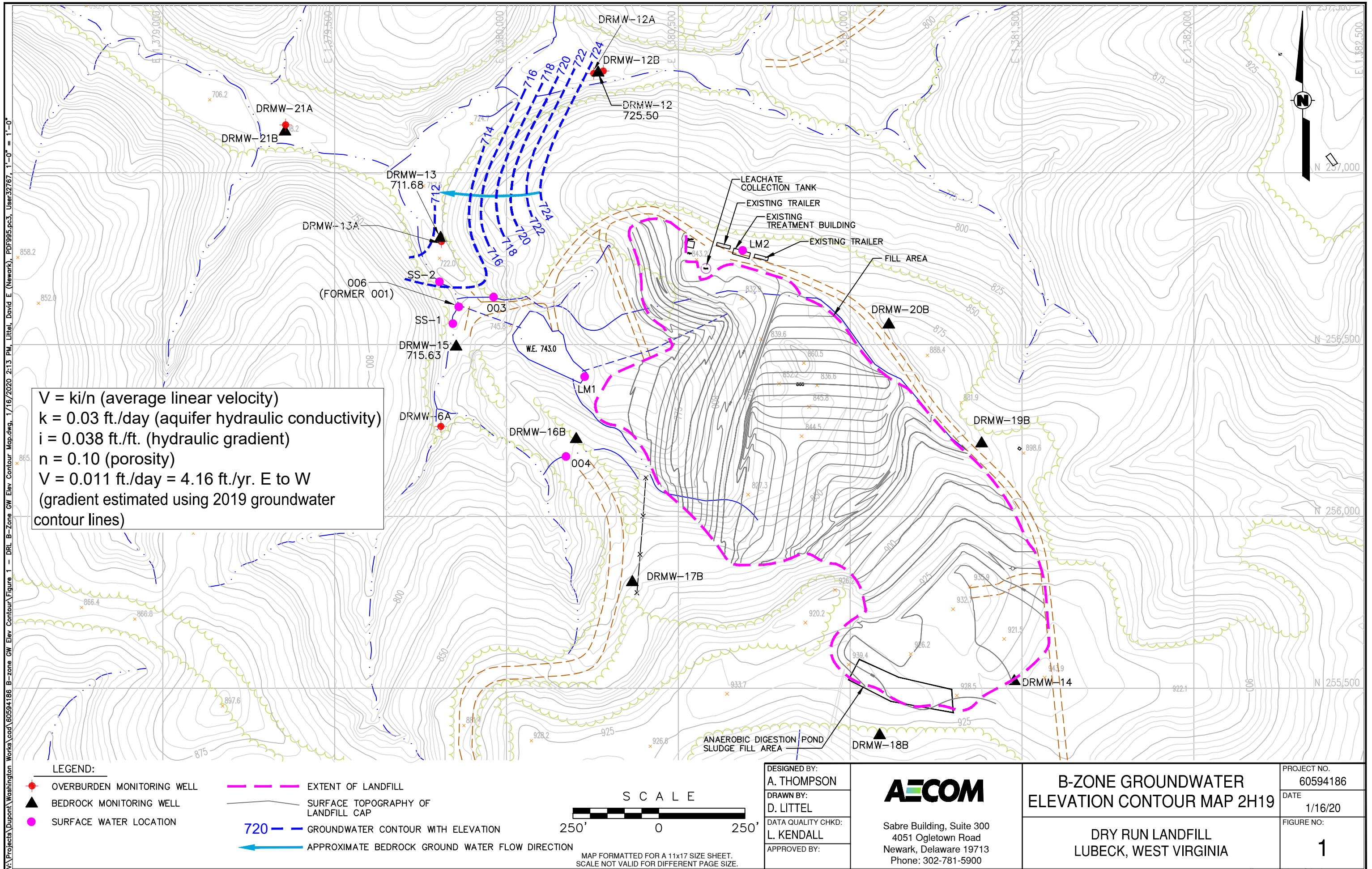
Monitoring Well	Semi-Annual Event - PFOA (µg/L)	
	1H2019	2H2019
MW-6A	0.64	0.29
MW-12	0.069	0.05
MW-12A	0.074	0.061
MW-12B	0.096	0.066
MW-13	14	14
MW-13A	1.3	0.65
MW-14	0.043	0.032
MW-15	1.5	1.9
MW-16B	0.0087	0.0073
MW-17B	0.043	0.039
MW-18B	0.0036	0.0068
MW-19B	0.014	0.019
MW-20B	0.026	0.034
MW-21A	0.27	0.23

Table 4
Summary of 2019 Treatment System Efficiency
2019 Annual Report
Dry Run Landfill, Lubeck, West Virginia

Month	PFOA (µg/L)		ML-K (Percent PFOA Removal)
	ML-G (LM2)	ML-1 (Outlet 006)	
Jan-19	4	0.1	97.50
Feb-19	3.9	0.17	95.64
Mar-19	2.8	< 0.005	99.82
Apr-19	5.2	< 0.005	99.90
May-19	4.5	< 0.005	99.89
Jun-19	4.5	< 0.005	99.89
Jul-19	10	< 0.005	99.95
Aug-19	2.3	< 0.005	99.78
Sep-19	3.4	< 0.005	99.85
Oct-19	2.8	< 0.005	99.82
Nov-19	1.6	< 0.005	99.69
Dec-19	2.3	0.61 *	73.48

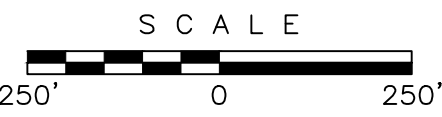
* A daily maximum of 0.61 µg/L occurred on December 17, 2019, while the by-pass valve was opened.

Figures



$V = ki/n$ (average linear velocity)
 $k = 0.03$ ft./day (aquifer hydraulic conductivity)
 $i = 0.038$ ft./ft. (hydraulic gradient)
 $n = 0.10$ (porosity)
 $V = 0.011$ ft./day = 4.16 ft./yr. E to W
 (gradient estimated using 2019 groundwater contour lines)

- LEGEND:**
- OVERBURDEN MONITORING WELL
 - ▲ BEDROCK MONITORING WELL
 - SURFACE WATER LOCATION
 - EXTENT OF LANDFILL
 - SURFACE TOPOGRAPHY OF LANDFILL CAP
 - 720 GROUNDWATER CONTOUR WITH ELEVATION
 - APPROXIMATE BEDROCK GROUND WATER FLOW DIRECTION



MAP FORMATTED FOR A 11x17 SIZE SHEET.
SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

DESIGNED BY:
A. THOMPSON
 DRAWN BY:
D. LITTEL
 DATA QUALITY CHKD:
L. KENDALL
 APPROVED BY:

AECOM

Sabre Building, Suite 300
 4051 Ogletown Road
 Newark, Delaware 19713
 Phone: 302-781-5900

**B-ZONE GROUNDWATER
 ELEVATION CONTOUR MAP 2H19**

**DRY RUN LANDFILL
 LUBECK, WEST VIRGINIA**

PROJECT NO.
 60594186
 DATE
 1/16/20
 FIGURE NO:
1

V:\Projects\Dupont\Washington Works\cad\60594186 B-zone GW Elev Contour\Figure 1 - DRL B-Zone GW Elev Contour Map.dwg, 1/16/2020 2:13 PM, Littell, David E (Newark), PDF995.pc3, User:32787, 1'-0" = 1'-0"

	Applicant: THE CHEMOURS COMPANY FC, LLC Reference ID: DryRun(WV0076244)PermitRenewal2020 (03/10/2020) Status: ERIS - Closed - Issued	Type: Reissue NPDES Industrial #2 Permit ID: WV0076244 Printed: Sep. 04, 2024 9:11 AM
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Sections I - III: Facility Information

I.	NAME OF FACILITY: <input type="text" value="Dry Run Landfill"/>
II.	FACILITY CONTACT: A. Name(last, first): <input type="text" value="J. Bart Ruitter"/> Title: <input type="text" value="Chemours Project Director"/> B. Phone number: <input type="text" value="302-773-0067"/> (###-###-####)
III.	FACILITY MAILING ADDRESS: A. Street or Post Office Box: Address Line 1: <input type="text" value="1007 Market Street"/> Address Line 2: <input type="text" value="P.O. Box 2047"/> B. City: <input type="text" value="Wilmington"/> C. State: <input type="text" value="Delaware"/> ▾ D. Zip: <input type="text" value="19898"/>

Section IV: Facility Location

IV.	FACILITY LOCATION: A. Street, Route No. or other specific identifier: <input type="text" value="789 Dry Run Lane"/> B. City, Town or Nearest Post Office: <input type="text" value="Washington"/> C. County: <input type="text" value="Wood"/> ▾ D. Zip: <input type="text" value="26181"/>
Directions to Facility: <input type="text" value="The Dry Run Landfill is approximately 10 miles south of the Washington Works plant and 5 miles south of the center of the community of Lubeck, West Virginia, off State Route 68."/>	

Section V: Ownership and Operator Information

V. OWNERSHIP INFORMATION:

A. Name: THE CHEMOURS COMPANY FC, LLC

B. Phone: 302-773-0067 (###-###-####)

Attention: J. Bart Ruitter

Address of Owner:

Address Line 1: 1007 Market Street

Address Line 2: P.O. Box 2047

City: Wilmington

Country: United States of America

State: Delaware

Zip: 19898 PostalCode Ref.

Email Address: J-Bart.Ruitter@chemours.com

C. Is name listed in Item V-A also the operator:

Yes (go to Item V-E) No (complete V-D)

OPERATOR INFORMATION:

D. Name: Robert Cunningham

Phone: 304-588-1551 (###-###-####)

Attention: Rob Cunningham

Address of Operator:

Address Line 1: 1141 State Route 618

Address Line 2:

City: Belpre

Country: United States of America

State: Ohio

Zip: 45714 PostalCode Ref.

Email Address: Robert.Cunningham@aecom.com

E. Status of Operator (If "Other" specify)

Federal State Private

Public Other Specify: AECOM

Section VI: Applicant Request

VI. APPLICANT REQUEST:

1. Allow sewage, industrial wastes or other wastes, or effluent therefrom, produced by or emanating from any point source, to flow into the waters of this State;

2. Make, cause or permit to be made any outlet, or substantially enlarge or add to the load of any existing outlet, for the discharge of sewage, industrial wastes or other wastes, or the effluent therefrom, into the waters of this State;

3. Acquire, construct, install, modify, or operate a disposal system or part thereof for the direct or indirect discharge or deposit of treated or untreated sewage, industrial wastes or other wastes, or the effluent therefrom, into the waters of this State, or any extension to or addition to such disposal system;

4. Increase in volume or concentration of any sewage, industrial wastes or other wastes in excess of the discharges or disposition specified or permitted under any existing permit;

5. Extend, modify or add to any point source, the operation of which would cause an increase in the volume or concentration of any sewage, industrial wastes discharging or flowing into the waters of this State;

Section VII: Reissuance of Existing Permits

VII. REISSUANCE OF EXISTING PERMITS:

A. Since issuance of your existing permit have you added any outlets, modified or added to your treatment or disposal system in any way, increased the volume or concentration of your waste(s) or waste stream(s), or extended, modified or added to your facility any operation which would cause an increase in the volume or concentration of waste(s) discharged?

Yes No (see instructions before completing remainder of this form)

Section VIII: SIC Codes

Primary SIC: 4953 Refuse systems

Secondary SIC:


Section IX: Existing Environmental Permits


IX. EXISTING ENVIRONMENTAL PERMITS (including other Division of Water and Waste Management Permits)

Issuing Agency and Address: WVDEP-DWM, 601 57th St. SE, Charleston, WV 25304

Type of Permit or License: SW/NPDES

Permit Number: WV0076244


Effective Date yr/mo/day: 02/01/2016 


Expiration Date yr/mo/day: 12/16/2020 

Issuing Agency and Address: WVDEP-DAQ, 601 57th St. SE, Charleston, WV 25304

Type of Permit or License: Cert to Operate Generator

Permit Number: 10700149

Effective Date yr/mo/day: 07/01/2019 

Expiration Date yr/mo/day: 06/30/2020 

Section X: Map or Drawing

X. MAP OR DRAWING:

A. Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all wells, sinkholes, springs, rivers and other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant in the map area. See instructions for precise requirements.

Map attached how: Paper Electronic

For attached SHP files, please select from below:

Datum: NAD 83

Projection: UTM Zone 17

Section XI: Nature of Business

XI. NATURE OF BUSINESS (provide a brief description)






A. Provide a brief description of the business.

Dry Run Landfill was closed in 2006 and capped in 2007. Currently, The only activity on the landfill is routine O&M, sampling per the NPDES permit WV0076244, leachate collected and hauled off-site to Washington Works for treatment/disposal, and a granulated activated carbon (GAC) treatment system to treat the pond water which is then released via Outlet 006.

B. Do you qualify as a small business? (See instructions for qualification criteria)

Yes No

Section XIII: Outlet Location

XIII. OUTLET LOCATION	
For each outlet, list the latitude and longitude to the nearest second, the River Mile Point (if known) and the name of the immediate receiving water. (see instructions)	
A. Outlet Number:	006
B. Latitude:	39 ° 11 ' 02 "
C. Longitude:	81 ° 41 ' 15 " 
UTM Zone:	17 
UTM Northing:	4337408
UTM Easting:	440622
D. River Mile Point:	201.3
E. Immediate Receiving Water (include all streams to Major Basin):	
<input type="checkbox"/> Unnamed Tributary of	
<input type="text" value="Dry Run"/> tributary of	<input type="text" value="North Fork of Lee Creek"/> tributary of
<input type="text" value="Ohio River"/> tributary of	<input type="text"/> tributary of
Major Basin:	Middle Ohio River 2 
F. Geospatial Method	GPS/GNSS 
Datum:	NAD83 
G. Actual Average Flow	43507 GPD (Gallons Per Day)

Section XVII A: Intake and Effluent Characteristics - Table A

TABLE A. You must provide the results of at least one analysis for every pollutant in this table. See instructions for additional details.

<input type="checkbox"/> Check for Storm Water only outlet.							
2.EFFLUENT							
1.POLLUTANT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVG. VALUE <i>(if available)</i>		d. No.OF ANALYSES
	(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	11.8	22.7	N/A		0.41	0.76	51
b. Chemical Oxygen Demand	11.7	22.5	N/A				1
c. Total Organic Carbon (TOC)	5.36	10.3	N/A				1
d. Total Suspended Solids (TSS)	10.5	63.1	N/A		7.83	14.58	51
e. Ammonia <i>(as N)</i>	0.412	0.79	N/A		0.13	0.24	50
f. Flow	VALUE	0.72	VALUE		VALUE	0.2232	47
g. Temperature <i>(winter)</i>	VALUE	17.7	VALUE		VALUE	10.85	23
g. Temperature <i>(summer)</i>	VALUE	27.5	VALUE		VALUE	23.17	21
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM			49
	6.35	8.84	N/A	N/A			

1.POLLUTANT	3.UNITS <i>(specify if blank)</i>		4.INTAKE <i>(optional)</i>		
	a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No.OF ANALYSES
			(1) CONC	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	mg/L	lbs	mg/L	lbs	
b. Chemical Oxygen Demand	mg/L	lbs			
c. Total Organic Carbon (TOC)	mg/L	lbs			
d. Total Suspended Solids (TSS)	mg/L	lbs	mg/L	lbs	
e. Ammonia <i>(as N)</i>	mg/L	lbs	mg/L	lbs	
f. Flow	MGD	N/A	VALUE	MGD	
g. Temperature <i>(winter)</i>	Deg. C	N/A	VALUE	Deg. C	
g. Temperature <i>(summer)</i>	Deg. C	N/A	VALUE	Deg. C	
i. pH	STANDARD UNITS				

Section XVII B: Intake and Effluent Characteristics - Table B

TABLE B - Select column 2-a for each pollutant you know or have reason to believe is present. Select column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Each pollutant has four items (numbered 2-4) which are required to be filled out if "Believed Present" is selected. It should be noted that Item 5 is optional. See instructions for additional details and requirements.

Check for Storm Water only outlet.

1. POLLUTANT and CAS NO. (If available)	2. SELECT a or b		3. EFFLUENT						d. No. OF ANALYSES	
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			
			(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS		
a. Bromide (24959-67-9)	<input type="radio"/>	<input checked="" type="radio"/>								0
b. Chloride	<input type="radio"/>	<input checked="" type="radio"/>	0.6							1
c. Chloride Residual	<input type="radio"/>	<input checked="" type="radio"/>								0
d. Color	<input type="radio"/>	<input checked="" type="radio"/>								0
e. Fecal Coliform	<input type="radio"/>	<input checked="" type="radio"/>	< 1.03							1
f. Fluoride (16984-48-8)	<input checked="" type="radio"/>	<input type="radio"/>	0.332	0.638	N/A	N/A	0.15	0.28		51
g. Nitrate-Nitrite(as N)	<input checked="" type="radio"/>	<input type="radio"/>	0.191	0.367	N/A	N/A	0.12	0.23		5
h. Nitrogen, Total Organic (as N)	<input checked="" type="radio"/>	<input type="radio"/>	0.441	0.873	N/A	N/A	N/A	N/A		1
i. Oil and Grease	<input type="radio"/>	<input checked="" type="radio"/>								0
j. Phosphorus (as P), Total (7723-14-0)	<input type="radio"/>	<input checked="" type="radio"/>	< 0.1				< 0.1			2
k. Radioactivity										
(1) Alpha, Total	<input type="radio"/>	<input checked="" type="radio"/>								0
(2) Beta, Total	<input type="radio"/>	<input checked="" type="radio"/>								0
(3) Radium, Total	<input type="radio"/>	<input checked="" type="radio"/>								0
(4) Radium 226, Total	<input type="radio"/>	<input checked="" type="radio"/>								0
l. Sulfate(as SO ₄) (14808-79-8)	<input checked="" type="radio"/>	<input type="radio"/>	28.6	54.96	N/A	N/A	8.85	16.47		51
m. Sulfide (as S)	<input type="radio"/>	<input checked="" type="radio"/>								0
n. Sulfite(as SO ₃) (14265-45-3)	<input type="radio"/>	<input checked="" type="radio"/>								0
o. Surfactants	<input type="radio"/>	<input checked="" type="radio"/>								0
p. Aluminum, Total (7429-90-5)	<input checked="" type="radio"/>	<input type="radio"/>	0.277	1.66	N/A	N/A	0.00534	0.0099		51

q. Barium, Total (7440-39-3)	<input type="radio"/>	<input checked="" type="radio"/>	0.081						1
r. Boron, Total (7440-42-8)	<input checked="" type="radio"/>	<input type="radio"/>	1.17	2.25	N/A	N/A	0.09	0.167	51
s. Cobalt, Total (7440-48-4)	<input type="radio"/>	<input checked="" type="radio"/>							
t. Iron, Total (7439-89-6)	<input checked="" type="radio"/>	<input type="radio"/>	0.227	1.36	N/A	N/A	0.01	0.019	51
u. Magnesium, Total (7439-95-4)	<input checked="" type="radio"/>	<input type="radio"/>	9.42	18.1	N/A	N/A	9.42	18.1	1
v. Molybdenum Total (7439-98-7)	<input type="radio"/>	<input checked="" type="radio"/>	< 0.004						1
w. Manganese, Total (7439-96-5)	<input checked="" type="radio"/>	<input type="radio"/>	1.36	2.45	N/A	N/A	0.124	0.23	52
x. Tin, Total (7440-31-5)	<input type="radio"/>	<input checked="" type="radio"/>							0
y. Titanium, Total (7440-32-6)	<input type="radio"/>	<input checked="" type="radio"/>							0

1.POLLUTANT and CAS NO. (If available)	4.UNITS (specify if blank)		5.INTAKE (optional)		
	a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
			(1) CONC	(2) MASS	
a. Bromide (24959-67-9)					
b. Chloride	mg/L				
c. Chloride Residual					
d. Color					
e. Fecal Coliform	cfu/100mL				
f. Fluoride (16984-48-8)	mg/L	lbs			
g. Nitrate-Nitrite (as N)	mg/L	lbs			
h. Nitrogen, Total Organic (as N)	mg/L	lbs			
i. Oil and Grease					
j. Phosphorus (as P), Total (7723-14-0)	mg/L				
k. Radioactivity					
(1) Alpha, Total					
(2) Beta, Total					
(3) Radium, Total					
(4) Radium 226, Total					
l. Sulfate (as SO ₄) (14808-79-8)	mg/L	lbs			
m. Sulfide (as S)					
n. Sulfite (as SO ₃) (14265-45-3)					
o. Surfactants					
p. Aluminum, Total (7429-90-5)	mg/L	lbs			
q. Barium, Total (7440-39-3)	mg/L				
r. Boron, Total (7440-42-8)	mg/L	lbs			
s. Cobalt, Total (7440-48-4)					
t. Iron, Total (7439-89-6)	mg/L	lbs			
u. Magnesium, Total (7439-95-4)	mg/L	lbs			
v. Molybdenum Total (7439-98-7)	mg/L				
w. Manganese, Total (7439-96-5)	mg/L	lbs			
x. Tin, Total (7440-31-5)					
y. Titanium, Total (7440-32-6)					

Section XVII C: Intake and Effluent Characteristics - Table C Metals

<input type="checkbox"/> Check for Storm Water only outlet.									
<p>TABLE C - If you are a primary industry and this outlet contains process wastewater, refer to Table 2 in the instructions to determine which of the GC/MS fractions you must test for. Select column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outlet, and non-required GC/MS fractions) select column 2-b for each pollutant you know or have reason to believe is present. Select column 2-c for each pollutant you believe to be absent. If you Select either column 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Each pollutant has four items (numbered 2-4) which are required to be filled out if "Testing Required" or "Believed Present" is selected. It should be noted that Item 5 is optional. See instructions for additional details and requirements.</p>									
1. POLLUTANT and CAS NO. (if available)	2. Select			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
METALS, CYANIDE, AND TOTAL PHENOLS									
1M. Antimony, Total(7440-38-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	< 0.04	< 0.077				
2M. Arsenic, Total(7440-38-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00125	< 0.002				
3M. Beryllium, Total (74440-41-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	< 0.001	< 0.002				
4M. Cadmium, Total(7440-43-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
5M. Chromium, Total(7440-47-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
6M. Copper, Total(7550-50-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
7M. Lead, Total (7439-97-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
8M. Mercury, Total(7439-97-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
9M. Nickel, Total(7440-02-0)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
10M. Selenium, Total(7782-49-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
11M. Silver, Total(7440-22-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	< 0.004	< 0.008				
12M. Thallium, Total(7440-28-0)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	0.000213	0.000422			0.00011	0.00021
13M. Zinc, Total(7440-66-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	0.0121	0.0233				
14M. Cyanide, Total(57-12-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
15M. Phenols, Total	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	< 0.005	< 0.0096				
DIOXIN									
2,3,7,8-tetra-chlorobibenzo-P-Dioxin (1764-01-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	DESCRIBE RESULTS					

TABLE C -						
1.POLLUTANT and CAS NO. (if available)	3. EFFLUENT d. No. OF ANALYSES	4.UNITS (<i>specify if blank</i>)		5.INTAKE (<i>optional</i>)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
1M. Antimony, Total(7440-38-2)	1	mg/L	lbs			
2M. Arsenic, Total(7440-38-2)	1	mg/L	lbs			
3M. Beryllium, Total (74440-41-7)	2	mg/L	lbs			
4M. Cadmium, Total(7440-43-9)						
5M. Chromium, Total(7440-47-3)						
6M. Copper, Total(7550-50-8)						
7M. Lead, Total (7439-97-6)						
8M. Mercury, Total(7439-97-8)						
9M. Nickel, Total(7440-02-0)						
10M. Selenium, Total(7782-49-2)						
11M. Silver, Total(7440-22-4)	1	mg/L	lbs			
12M. Thallium, Total(7440-28-0)	2	mg/L	lbs			
13M. Zinc, Total(7440-66-6)	1	mg/L	lbs			
14M. Cyanide, Total(57-12-5)						
15M. Phenols, Total	1	mg/L	lbs			

Section XVII C: Intake and Effluent Characteristics - Table C Volatile Compounds

<input type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (if available)	2. Select			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - VOLATILE COMPOUNDS									
1V. Acrolein (107-02-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0025	< 0.0048				
2V. Acrylonitrile (107-13-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0025	< 0.0048				
3V. Benzene (71-43-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
4V. Bromoform (75-25-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0005	< 0.001				
5V. Carbon Tetrachloride (56-23-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
6V. Chlorobenzene (108-90-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
7V. Chlorodibromomethene (124-48-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
8V. Chloroethane (75-00-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0005	< 0.001				
9V. 2-Chloroethylvinyl Ether (110-75-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.002	< 0.0038				
10V. Chloroform (67-66-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
11V. Dichlorobromomethane (75-27-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
12V. 1,1-Dichloroethane (75-34-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
13V. 1,2-Dichloroethane (107-06-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
14V. 1,1-Dichloroethylene (75-35-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0005	< 0.001				
15V. 1,2-Dichloropropane (78-87-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
16V. 1,3-Dichloropropylene (542-75-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
17V. Ethylbenzene (100-41-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
18V. Methyl Bromide (74-83-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0005	< 0.001				
19V. Methyl Chloride (74-87-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0005	< 0.001				
20V. Methylene Chloride (75-09-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
21V. 1,1,2,2-Tetrachloroethane (79-34-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
22V. Tetrachloroethylene(127-18-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
23V. Toluene (108-88-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				

24V. 1,2-Trans-Dichloroethylene (156-60-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
25V. 1,1,1-Trichloroethane (71-55-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
26V. 1,1,2-Trichloroethane (79-00-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
27V. Trichloroethylene(79-01-61)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.00025	< 0.0005				
28V. Vinyl Chloride(75-01-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.0005	< 0.001				

1.POLLUTANT and CAS NO. (if available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS						
1V. Acrolein (107-02-8)	1	mg/L	lbs			
2V. Acrylonitrile (107-13-1)	1	mg/L	lbs			
3V. Benzene (71-43-2)	2	mg/L	lbs			
4V. Bromoform (75-25-2)	1	mg/L	lbs			
5V. Carbon Tetrachloride (56-23-5)	1	mg/L	lbs			
6V. Chlorobenzene (108-90-7)	1	mg/L	lbs			
7V. Chlorodibromomethene (124-48-1)	1	mg/L	lbs			
8V. Chloroethane (75-00-3)	1	mg/L	lbs			
9V. 2-Chloroethylvinyl Ether (110-75-8)	1	mg/L	lbs			
10V. Chloroform (67-66-3)	1	mg/L	lbs			
11V. Dichlorobromomethane (75-27-4)	1	mg/L	lbs			
12V. 1,1-Dichloroethane (75-34-3)	1	mg/L	lbs			
13V. 1,2-Dichloroethane (107-06-2)	1	mg/L	lbs			
14V. 1,1-Dichloroethylene (75-35-4)	1	mg/L	lbs			
15V. 1,2-Dichloropropane (78-87-5)	1	mg/L	lbs			
16V. 1,3-Dichloropropylene (542-75-6)	1	mg/L	lbs			
17V. Ethylbenzene (100-41-4)	1	mg/L	lbs			
18V. Methyl Bromide (74-83-9)	1	mg/L	lbs			
19V. Methyl Chloride (74-87-3)	1	mg/L	lbs			
20V. Methylene Chloride (75-09-2)	1	mg/L	lbs			
21V. 1,1,2,2-Tetrachloroethane (79-34-5)	1	mg/L	lbs			
22V. Tetrachloroethylene(127-18-4)	1	mg/L	lbs			
23V. Toluene (108-88-3)	1	mg/L	lbs			
24V. 1,2-Trans-Dichloroethylene (156-60-5)	1	mg/L	lbs			
25V. 1,1,1-Tri-chloroethane (71-55-6)	1	mg/L	lbs			

26V. 1,1,2-Trichloroethane (79-00-5)	1	mg/L	lbs			
27V. Trichloroethylene(79-01-61)	1	mg/L	lbs			
28V. Vinyl Chloride(75-01-4)	1	mg/L	lbs			

Section XVII C: Intake and Effluent Characteristics - Table C Acid Compounds

<input type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - ACID COMPOUNDS									
1A. 2-Chlorophenol (95-57-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005	< 0.0096				
2A. 2,4-Dichlorophenol (120-83-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005	< 0.0096				
3A. 2,4-Dimethylphenol (105-67-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005	< 0.0096				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.025	< 0.048				
5A. 2,4-Dinitrophenol (51-28-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.025	< 0.048				
6A. 2-Nitro-phenol (88-75-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005	< 0.0096				
7A. 4-Nitro-phenol (100-02-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.01	< 0.019				
8A. P-Chloro-M-Cresol (59-50-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005	< 0.0096				
9A. Pentachlorophenol (87-86-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.025	< 0.048				
10A. Phenol (108-95-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005	< 0.0096				
11A. 2,4,6-Trichlorophenol (88-06-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005	< 0.0096				

1.POLLUTANT and CAS NO. (if available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - ACID COMPOUNDS						
1A. 2-Chlorophenol (95-57-8)	1	mg/L	lbs			
2A. 2,4-Dichlorophenol (120-83-2)	1	mg/L	lbs			
3A. 2,4-Dimethylphenol (105-67-9)	1	mg/L	lbs			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	1	mg/L	lbs			
5A. 2,4-Dinitrophenol (51-28-5)	1	mg/L	lbs			
6A. 2-Nitrophenol (88-75-5)	1	mg/L	lbs			
7A. 4-Nitrophenol (100-02-7)	1	mg/L	lbs			
8A. P-Chloro-M-Cresol (59-50-7)	1	mg/L	lbs			
9A. Pentachlorophenol (87-86-5)	1	mg/L	lbs			
10A. Phenol (108-95-2)	1	mg/L	lbs			
11A. 2,4,6-Trichlorophenol (88-06-2)	1	mg/L	lbs			

Section XVII C: Intake and Effluent Characteristics - Table C Base/Neutral Compounds

<input type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
2B. Acenaphthylene (208-96-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
3B. Anthracene (120-12-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
4B. Benzidine (92-87-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.025					
5B. Benzo (a) Anthracene (56-55-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
6B. Benzo(a)Pyrene (50-32-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
7B. 3,4-Benzo-fluoranthene (205-99-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
8B. Benzo (ghi) Perylene (191-24-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
9B. Benzo (k) Fluoranthene (207-08-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
10B. Bis(2-Chloro-ethoxy) Methane (111-91-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
11B. Bis(2-Chloro-ethyl) Ether(111-44-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
12B. Bis(2-Chloro-isopropyl) Ether(39638-32-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
13B. Bis(2-Ethyl-hexyl) Phthalate(117-81-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
15B. Butyl Benzyl Phthalate (85-86-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
16B. 2-Chloro-naphthalene (91-58-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
18B. Chrysene (218-01-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
19B. Dibenzo (a,h) Anthracene (53-70-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
20B. 1,2-Dichlorobenzene(95-50-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
21B. 1,3-Dichlorobenzene (541-73-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
22B. 1,4-Dichlorobenzene (106-46-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
23B. 3,3-Dichlorobenzidine (91-94-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.01					
24B. Diethyl Phthalate (84-66-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					

25B. Dimethyl Phthalate (131-11-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
26B. Di-N-Butyl Phthalate (84-74-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
27B. 2,4-Dinitro-toluene (121-14-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
28B. 2,6-Dinitro-toluene (206-20-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
29B. Di-N-Octyl Phthalate (117-84-0)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
30B. 1,2-Diphenylhydrazine (as Azobenzene)(122-66-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
31B. Fluoranthene (206-44-0)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
32B. Fluorene (86-73-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
33B. Hexa-chlorobenzene (118-71-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
34B. Hexa-chlorobutadiene (87-68-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
35B. Hexachloro-cyclopentadiene (77-47-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.01					
36B. Hexachloro-ethane (67-72-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
38B. Isophorone (78-59-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
39B. Naphthalene (91-20-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
40B. Nitrobenzene (98-95-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
41B. N-Nitrosodimethylamine(62-75-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
42B. N-Nitrosodi-N-Propylamine (621-64-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
43B. N-Nitrosodiphenylamine (86-30-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
44B. Phenanthrene (85-01-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
45B. Pyrene (129-00-0)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<0.005					

1.POLLUTANT and CAS NO. (If available)	3. EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS						
1B. Acenaphthene (83-32-9)	1	mg/L				
2B. Acenaphthylene (208-96-8)	1	mg/L				
3B. Anthracene (120-12-7)	1	mg/L				
4B. Benzidine (92-87-5)	1	mg/L				
5B. Benzo (a) Anthracene (56-55-3)	1	mg/L				
6B. Benzo(a)Pyrene (50-32-8)	1	mg/L				
7B. 3,4-Benzo-fluoranthene (205-99-2)	1	mg/L				
8B. Benzo (ghi) Perylene (191-24-2)	1	mg/L				
9B. Benzo (k) Fluoranthene (207-08-9)	1	mg/L				
10B. Bis(2-Chloro-ethoxy) Methane (111-91-1)	1	mg/L				
11B. Bis(2-Chloro-ethyl) Ether(111-44-4)	1	mg/L				
12B. Bis(2-Chloro-isopropyl) Ether(39638-32-9)	1	mg/L				
13B. Bis(2-Ethyl-hexyl) Phthalate(117-81-7)	1	mg/L				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	1	mg/L				
15B. Butyl Benzyl Phthalate (85-86-7)	1	mg/L				
16B. 2-Chloro-naphthalene (91-58-7)	1	mg/L				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	1	mg/L				
18B. Chrysene (218-01-9)	1	mg/L				
19B. Dibenzo (a,h) Anthracene (53-70-3)	1	mg/L				
20B. 1,2-Dichloro-benzene(95-50-1)	1	mg/L				
21B. 1,3-Dichloro-benzene (541-73-1)	1	mg/L				
22B. 1,4-Dichloro-benzene (106-46-7)	1	mg/L				
23B. 3,3-Dichloro-benzidine (91-94-1)	1	mg/L				
24B. Diethyl Phthalate (84-66-2)	1	mg/L				
25B. Dimethyl Phthalate (131-11-3)	1	mg/L				
26B. Di-N-Butyl Phthalate (84-74-2)	1	mg/L				
27B. 2,4-Dinitro-toluene (121-14-2)	1	mg/L				
28B. 2,6-Dinitro-toluene (206-20-2)	1	mg/L				

29B. Di-N-Octyl Phthalate (117-84-0)	1	mg/L				
30B. 1,2-Diphenylhydrazine (as Azobenzene)(122-66-7)	1	mg/L				
31B. Fluoranthene (206-44-0)	1	mg/L				
32B. Fluorene (86-73-7)	1	mg/L				
33B. Hexa-chlorobenzene (118-71-1)	1	mg/L				
34B. Hexa-chlorobutadiene (87-68-3)	1	mg/L				
35B. Hexachloro-cyclopentadiene (77-47-4)	1	mg/L				
36B. Hexachloro-ethane (67-72-1)	1	mg/L				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	1	mg/L				
38B. Isophorone (78-59-1)	1	mg/L				
39B. Naphthalene (91-20-3)	1	mg/L				
40B. Nitrobenzene (98-95-3)	1	mg/L				
41B. N-Nitrosodimethylamine(62-75-9)	1	mg/L				
42B. N-Nitrosodi-N-Propylamine (621-64-7)	1	mg/L				
43B. N-Nitrosodiphenylamine (86-30-6)	1	mg/L				
44B. Phenanthrene (85-01-8)	1	mg/L				
45B. Pyrene (129-00-0)	1	mg/L				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	1	mg/L				

Section XVII C: Intake and Effluent Characteristics - Table C Pesticides

<input type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - PESTICIDES									
1P. Aldrin (309-00-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
2P. -BHC (319-84-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
3P. -BHC (319-85-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
4P. -BHC (58-89-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
5P. -BHC (319-86-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
6P. Chlordane (57-74-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
7P. 4,4-DDT (50-29-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
8P. 4,4-DDE (72-55-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
9P. 4,4-DDD (72-54-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
10P. Dieldrin (60-57-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
11P. -Endosulfan (115-29-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
12P. -Endosulfan (115-29-7)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
13P. Endosulfan Sulfate (1031-07-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
14P. Endrin (72-20-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
15P. Endrin Aldehyde (7421-93-4)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
16P. Heptachlor (76-44-8)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
17P. Heptachlor Epoxide (1024-57-3)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
18P. PCB-1242 (53469-21-9)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
19P. PCB-1254 (11097-69-1)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
20P. PCB-1221 (11104-28-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
21P. PCB-1232 (11141-16-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
22P. PCB-1248 (12672-29-6)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
23P. PCB-1260 (11096-82-5)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						
24P. PCB-1016 (12674-11-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>						

25P. Toxaphene (8001-35-2)	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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1.POLLUTANT and CAS NO. (If available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
GC/MS FRACTION - PESTICIDES						
				(1) CONC	(2) MASS	
1P. Aldrin (309-00-2)						
2P. -BHC (319-85-7)						
3P. -BHC (319-85-7)						
4P. -BHC (58-89-9)						
5P. -BHC (319-86-8)						
6P. Chlordane (57-74-9)						
7P. 4,4-DDT (50-29-3)						
8P. 4,4-DDE (72-55-9)						
9P. 4,4-DDD (72-54-8)						
10P. Dieldrin (60-57-1)						
11P. -Endosulfan (115-29-7)						
12P. -Endosulfan (115-29-7)						
13P. Endosulfan Sulfate (1031-07-8)						
14P. Endrin (72-20-8)						
15P. Endrin Aldehyde (7421-93-4)						
16P. Heptachlor (76-44-8)						
17P. Heptachlor Epoxide (1024-57-3)						
18P. PCB-1242 (53469-21-9)						
19P. PCB-1254 (11097-69-1)						
20P. PCB-1221 (11104-28-2)						
21P. PCB-1232 (11141-16-5)						
22P. PCB-1248 (12672-29-6)						
23P. PCB-1260 (11096-82-5)						
24P. PCB-1016 (12674-11-2)						
25P. Toxaphene (8001-35-2)						

Section XVII D: Intake and Effluent Characteristics - Part D

Check for no Storm Water.

Part D - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outlet. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Oil and Grease						
Biological Oxygen demand (BOD5)						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)						
Total Kjeldahl Nitrogen						
Nitrite plus Nitrate Nitrogen						
Total Phosphorus						
pH	Minimum		Maximum			

Section XVII E: Intake and Effluent Characteristics - Part E

Part E - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outlet. See instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		


Section XVII F: Intake and Effluent Characteristics - Part F

Part F- List each pollutant shown in Table B and C of this application that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outlet.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		

Section XVII G: Intake and Effluent Characteristics - Part G

Part G - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1.Date of Storm Event	2.Duration of Strom (in minutes)	3.Total Rainfall during storm event (in inches)	4.Number of days and/or hours between beginning of storm measured and the end of previous measurable rain event	5.Maximum during rain event (gallons/minute or specify units)	6.Total flow from rain event (gallons or specify units)	Season sample was taken	Form of Precipitation (rainfall, snowmelt)
							

9. Provide a description of the method of flow measurement or estimate.

Section XVII H: Intake and Effluent Characteristics - Part H

Check if all believed Absent.

H. Select any of the pollutants listed below, which you know or have reasons to believe is discharged or may be discharged from any outlet. For every pollutant you select, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

	Beli- Pre- sent	Beli- eved Abs- ent	
Toxic Pollutants			
Asbestos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Hazardous Substances			
Acetaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Allyl alcohol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Allyl chloride	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Amyl acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Aniline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Benzonitrile	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Benzyl chloride	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Butyl acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Butylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Captan	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbaryl	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbofuran	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbon disulfide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Chlorpyrifos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Coumaphos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cresol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Crotonaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cyclohexane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strychnine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cyclohexane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4-D(2,4-Dichlorophenoxy acetic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diazinon	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Dicamba	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlobenil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlone	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,2-Dichloropropionic acid	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlorvos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dimethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dinitrobenzene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diquat	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Disulfoton	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diuron	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Epichlorohydrin	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethylene diamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethylene dibromide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Formaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Furfural	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Guthion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Isoprene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Isopropanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Kelthane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Kepone	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Malathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mercaptodimethur	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methoxychlor	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methyl mercaptan	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methyl methacrylate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>


Methyl parathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mevinphos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mexacarbate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Monoethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Monomethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Naled	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Napthenic acid	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Nitrotoluene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Parathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Phenolsulfanate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Phosgene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Propargite	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Propylene oxide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Pyrethrines	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Quinoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Resorcinol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strontium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strychnine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Styrene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4,5-T (2,4,5-Trichlorophenoxy acetic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
TDE (Tetrachlorodiphenyl ethane)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4,5-TP (2-(2,4,5-Trichlorophenoxy propanic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Trichlorofon	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Triethanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Triethylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Trimethylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Uranium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Vanadium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Vinyl Acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Xylene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Xylenol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Zirconium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Section XIII: Outlet Location

XIII. OUTLET LOCATION

For each outlet, list the latitude and longitude to the nearest second, the River Mile Point (if known) and the name of the immediate receiving water. (see instructions)

A. Outlet Number:	<input type="text" value="003"/>	
B. Latitude:	<input type="text" value="39"/> °	<input type="text" value="10"/> ' <input type="text" value="58"/> "
C. Longitude:	<input type="text" value="81"/> °	<input type="text" value="41"/> ' <input type="text" value="15"/> " 
UTM Zone:	<input type="text" value="17"/> ▼	
UTM Northing:	<input type="text" value="4337285"/>	
UTM Easting:	<input type="text" value="440621"/>	
D. River Mile Point:	<input type="text" value="201.3"/>	
E. Immediate Receiving Water (include all streams to Major Basin):	<input type="checkbox"/> Unnamed Tributary of	
	<input type="text" value="Dry Run"/> tributary of	<input type="text" value="North Fork of Lee Creek"/> tributary of
	<input type="text" value="Ohio River"/> tributary of	<input type="text"/> tributary of
Major Basin:	<input type="text" value="Middle Ohio River 2"/> ▼	
F. Geospatial Method	<input type="text" value="GPS/GNSS"/> ▼	
Datum:	<input type="text" value="NAD83"/> ▼	
G. Actual Average Flow	<input type="text" value="1118"/> GPD (Gallons Per Day)	

Section XVII A: Intake and Effluent Characteristics - Table A

TABLE A. You must provide the results of at least one analysis for every pollutant in this table. See instructions for additional details.

<input checked="" type="checkbox"/> Check for Storm Water only outlet.							
1.POLLUTANT	2.EFFLUENT						
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVG. VALUE <i>(if available)</i>		d. No.OF ANALYSES
	(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS	
a. Biochemical Oxygen Demand (BOD)							
b. Chemical Oxygen Demand							
c. Total Organic Carbon (TOC)							
d. Total Suspended Solids (TSS)							
e. Ammonia <i>(as N)</i>							
f. Flow	VALUE		VALUE		VALUE		
g. Temperature <i>(winter)</i>	VALUE		VALUE		VALUE		
g. Temperature <i>(summer)</i>	VALUE		VALUE		VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM			

1.POLLUTANT	3.UNITS <i>(specify if blank)</i>		4.INTAKE <i>(optional)</i>		
	a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No.OF ANALYSES
			(1) CONC	(2) MASS	
a. Biochemical Oxygen Demand (BOD)					
b. Chemical Oxygen Demand					
c. Total Organic Carbon (TOC)					
d. Total Suspended Solids (TSS)					
e. Ammonia <i>(as N)</i>					
f. Flow			VALUE		
g. Temperature <i>(winter)</i>			VALUE		
g. Temperature <i>(summer)</i>			VALUE		
i. pH	STANDARD UNITS				

Section XVII B: Intake and Effluent Characteristics - Table B

TABLE B - Select column 2-a for each pollutant you know or have reason to believe is present. Select column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Each pollutant has four items (numbered 2-4) which are required to be filled out if "Believed Present" is selected. It should be noted that Item 5 is optional. See instructions for additional details and requirements.

Check for Storm Water only outlet.

1. POLLUTANT and CAS NO. (If available)	2. SELECT a or b		3. EFFLUENT						d. No. OF ANALYS- ES
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		
			(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS	
a. Bromide (24959-67-9)	<input type="radio"/>	<input type="radio"/>							
b. Chloride	<input type="radio"/>	<input type="radio"/>							
c. Chloride Residual	<input type="radio"/>	<input type="radio"/>							
d. Color	<input type="radio"/>	<input type="radio"/>							
e. Fecal Coliform	<input type="radio"/>	<input type="radio"/>							
f. Fluoride (16984-48-8)	<input type="radio"/>	<input type="radio"/>							
g. Nitrate-Nitrite(as N)	<input type="radio"/>	<input type="radio"/>							
h. Nitrogen, Total Organic (as N)	<input type="radio"/>	<input type="radio"/>							
i. Oil and Grease	<input type="radio"/>	<input type="radio"/>							
j. Phosphorus (as P), Total (7723-14-0)	<input type="radio"/>	<input type="radio"/>							
k. Radioactivity									
(1) Alpha, Total	<input type="radio"/>	<input type="radio"/>							
(2) Beta, Total	<input type="radio"/>	<input type="radio"/>							
(3) Radium, Total	<input type="radio"/>	<input type="radio"/>							
(4) Radium 226, Total	<input type="radio"/>	<input type="radio"/>							
l. Sulfate(as SO ₄) (14808-79-8)	<input type="radio"/>	<input type="radio"/>							
m. Sulfide (as S)	<input type="radio"/>	<input type="radio"/>							
n. Sulfite(as SO ₃) (14265-45-3)	<input type="radio"/>	<input type="radio"/>							
o. Surfactants	<input type="radio"/>	<input type="radio"/>							
p. Aluminum, Total (7429-90-5)	<input type="radio"/>	<input type="radio"/>							

q. Barium, Total (7440-39-3)	<input type="radio"/>	<input type="radio"/>							
r. Boron, Total (7440-42-8)	<input type="radio"/>	<input type="radio"/>							
s. Cobalt, Total (7440-48-4)	<input type="radio"/>	<input type="radio"/>							
t. Iron, Total (7439-89-6)	<input type="radio"/>	<input type="radio"/>							
u. Magnesium, Total (7439-95-4)	<input type="radio"/>	<input type="radio"/>							
v. Molybdenum Total (7439-98-7)	<input type="radio"/>	<input type="radio"/>							
w. Manganese, Total (7439-96-5)	<input type="radio"/>	<input type="radio"/>							
x. Tin, Total (7440-31-5)	<input type="radio"/>	<input type="radio"/>							
y. Titanium, Total (7440-32-6)	<input type="radio"/>	<input type="radio"/>							

1.POLLUTANT and CAS NO. (If available)	4.UNITS (specify if blank)		5.INTAKE (optional)		
	a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
			(1) CONC	(2) MASS	
a. Bromide (24959-67-9)					
b. Chloride					
c. Chloride Residual					
d. Color					
e. Fecal Coliform					
f. Fluoride (16984-48-8)					
g. Nitrate-Nitrite (as N)					
h. Nitrogen, Total Organic (as N)					
i. Oil and Grease					
j. Phosphorus (as P), Total (7723-14-0)					
k. Radioactivity					
(1) Alpha, Total					
(2) Beta, Total					
(3) Radium, Total					
(4) Radium 226, Total					
l. Sulfate (as SO ₄) (14808-79-8)					
m. Sulfide (as S)					
n. Sulfite (as SO ₃) (14265-45-3)					
o. Surfactants					
p. Aluminum, Total (7429-90-5)					
q. Barium, Total (7440-39-3)					
r. Boron, Total (7440-42-8)					
s. Cobalt, Total (7440-48-4)					
t. Iron, Total (7439-89-6)					
u. Magnesium, Total (7439-95-4)					
v. Molybdenum Total (7439-98-7)					
w. Manganese, Total (7439-96-5)					
x. Tin, Total (7440-31-5)					
y. Titanium, Total (7440-32-6)					

Section XVII C: Intake and Effluent Characteristics - Table C Metals

<input checked="" type="checkbox"/> Check for Storm Water only outlet.										
<p>TABLE C - If you are a primary industry and this outlet contains process wastewater, refer to Table 2 in the instructions to determine which of the GC/MS fractions you must test for. Select column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outlet, and non-required GC/MS fractions) select column 2-b for each pollutant you know or have reason to believe is present. Select column 2-c for each pollutant you believe to be absent. If you Select either column 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Each pollutant has four items (numbered 2-4) which are required to be filled out if "Testing Required" or "Believed Present" is selected. It should be noted that Item 5 is optional. See instructions for additional details and requirements.</p>										
1. POLLUTANT and CAS NO. (if available)	2. Select			3. EFFLUENT						
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS										
1M. Antimony, Total(7440-38-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
2M. Arsenic, Total(7440-38-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
3M. Beryllium, Total (74440-41-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
4M. Cadmium, Total(7440-43-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
5M. Chromium, Total(7440-47-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
6M. Copper, Total(7550-50-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
7M. Lead, Total (7439-97-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
8M. Mercury, Total(7439-97-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
9M. Nickel, Total(7440-02-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
10M. Selenium, Total(7782-49-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
11M. Silver, Total(7440-22-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
12M. Thallium, Total(7440-28-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
13M. Zinc, Total(7440-66-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
14M. Cyanide, Total(57-12-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
15M. Phenols, Total	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>							
DIOXIN										
2,3,7,8-tetra-chlorobibenzo-P-Dioxin (1764-01-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	DESCRIBE RESULTS						

TABLE C -						
1.POLLUTANT and CAS NO. (if available)	3. EFFLUENT d. No. OF ANALYSES	4.UNITS (<i>specify if blank</i>)		5.INTAKE (<i>optional</i>)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
1M. Antimony, Total(7440-38-2)						
2M. Arsenic, Total(7440-38-2)						
3M. Beryllium, Total (74440-41-7)						
4M. Cadmium, Total(7440-43-9)						
5M. Chromium, Total(7440-47-3)						
6M. Copper, Total(7550-50-8)						
7M. Lead, Total (7439-97-6)						
8M. Mercury, Total(7439-97-8)						
9M. Nickel, Total(7440-02-0)						
10M. Selenium, Total(7782-49-2)						
11M. Silver, Total(7440-22-4)						
12M. Thallium, Total(7440-28-0)						
13M. Zinc, Total(7440-66-6)						
14M. Cyanide, Total(57-12-5)						
15M. Phenols, Total						

Section XVII C: Intake and Effluent Characteristics - Table C Volatile Compounds

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (if available)	2. Select			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - VOLATILE COMPOUNDS									
1V. Acrolein (107-02-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2V. Acrylonitrile (107-13-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3V. Benzene (71-43-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4V. Bromoform (75-25-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5V. Carbon Tetrachloride (56-23-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6V. Chlorobenzene (108-90-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7V. Chlorodibromomethene (124-48-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8V. Chloroethane (75-00-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9V. 2-Chloroethylvinyl Ether (110-75-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10V. Chloroform (67-66-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11V. Dichlorobromomethane (75-27-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
12V. 1,1-Dichloroethane (75-34-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
13V. 1,2-Dichloroethane (107-06-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
14V. 1,1-Dichloroethylene (75-35-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
15V. 1,2-Dichloropropane (78-87-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
16V. 1,3-Dichloropropylene (542-75-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
17V. Ethylbenzene (100-41-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
18V. Methyl Bromide (74-83-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
19V. Methyl Chloride (74-87-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
20V. Methylene Chloride (75-09-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
21V. 1,1,2,2-Tetrachloroethane (79-34-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
22V. Tetrachloroethylene (127-18-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
23V. Toluene (108-88-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

24V. 1,2-Trans-Dichloroethylene (156-60-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
25V. 1,1,1-Trichloroethane (71-55-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26V. 1,1,2-Trichloroethane (79-00-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
27V. Trichloroethylene(79-01-61)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
28V. Vinyl Chloride(75-01-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

1.POLLUTANT and CAS NO. (if available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS						
1V. Acrolein (107-02-8)						
2V. Acrylonitrile (107-13-1)						
3V. Benzene (71-43-2)						
4V. Bromoform (75-25-2)						
5V. Carbon Tetrachloride (56-23-5)						
6V. Chlorobenzene (108-90-7)						
7V. Chlorodibromomethene (124-48-1)						
8V. Chloroethane (75-00-3)						
9V. 2-Chloroethylvinyl Ether (110-75-8)						
10V. Chloroform (67-66-3)						
11V. Dichlorobromomethane (75-27-4)						
12V. 1,1-Dichloroethane (75-34-3)						
13V. 1,2-Dichloroethane (107-06-2)						
14V. 1,1-Dichloroethylene (75-35-4)						
15V. 1,2-Dichloropropane (78-87-5)						
16V. 1,3-Dichloropropylene (542-75-6)						
17V. Ethylbenzene (100-41-4)						
18V. Methyl Bromide (74-83-9)						
19V. Methyl Chloride (74-87-3)						
20V. Methylene Chloride (75-09-2)						
21V. 1,1,2,2-Tetrachloroethane (79-34-5)						
22V. Tetrachloroethylene(127-18-4)						
23V. Toluene (108-88-3)						
24V. 1,2-Trans-Dichloroethylene (156-60-5)						
25V. 1,1,1-Tri-chloroethane (71-55-6)						

26V. 1,1,2-Trichloroethane (79-00-5)						
27V. Trichloroethylene(79-01-61)						
28V. Vinyl Chloride(75-01-4)						

Section XVII C: Intake and Effluent Characteristics - Table C Acid Compounds

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - ACID COMPOUNDS									
1A. 2-Chlorophenol (95-57-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2A. 2,4-Dichlorophenol (120-83-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3A. 2,4-Dimethylphenol (105-67-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4A. 4,6-Dinitro-O-Cresol (534-52-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5A. 2,4-Dinitrophenol (51-28-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6A. 2-Nitro-phenol (88-75-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7A. 4-Nitro-phenol (100-02-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8A. P-Chloro-M-Cresol (59-50-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9A. Pentachlorophenol (87-86-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10A. Phenol (108-95-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11A. 2,4,6-Trichlorophenol (88-06-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

1.POLLUTANT and CAS NO. (if available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - ACID COMPOUNDS						
1A. 2-Chlorophenol (95-57-8)						
2A. 2,4-Dichlorophenol (120-83-2)						
3A. 2,4-Dimethylphenol (105-67-9)						
4A. 4,6-Dinitro-O-Cresol (534-52-1)						
5A. 2,4-Dinitrophenol (51-28-5)						
6A. 2-Nitrophenol (88-75-5)						
7A. 4-Nitrophenol (100-02-7)						
8A. P-Chloro-M-Cresol (59-50-7)						
9A. Pentachlorophenol (87-86-5)						
10A. Phenol (108-95-2)						
11A. 2,4,6-Trichlorophenol (88-06-2)						

Section XVII C: Intake and Effluent Characteristics - Table C Base/Neutral Compounds

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2B. Acenaphthylene (208-96-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3B. Anthracene (120-12-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4B. Benzidine (92-87-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5B. Benzo (a) Anthracene (56-55-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6B. Benzo(a)Pyrene (50-32-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7B. 3,4-Benzo-fluoranthene (205-99-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8B. Benzo (ghi) Perylene (191-24-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9B. Benzo (k) Fluoranthene (207-08-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10B. Bis(2-Chloro-ethoxy) Methane (111-91-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11B. Bis(2-Chloro-ethyl) Ether(111-44-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
12B. Bis(2-Chloro-isopropyl) Ether(39638-32-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
13B. Bis(2-Ethyl-hexyl) Phthalate(117-81-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
15B. Butyl Benzyl Phthalate (85-86-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
16B. 2-Chloro-naphthalene (91-58-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
18B. Chrysene (218-01-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
19B. Dibenzo (a,h) Anthracene (53-70-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
20B. 1,2-Dichloro-benzene(95-50-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
21B. 1,3-Dichloro-benzene (541-73-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
22B. 1,4-Dichloro-benzene (106-46-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
23B. 3,3-Dichloro-benzidine (91-94-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
24B. Diethyl Phthalate (84-66-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

25B. Dimethyl Phthalate (131-11-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
26B. Di-N-Butyl Phthalate (84-74-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
27B. 2,4-Dinitro-toluene (121-14-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
28B. 2,6-Dinitro-toluene (206-20-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
29B. Di-N-Octyl Phthalate (117-84-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
30B. 1,2-Diphenylhydrazine (as Azobenzene)(122-66-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
31B. Fluoranthene (206-44-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
32B. Fluorene (86-73-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
33B. Hexa-chlorobenzene (118-71-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
34B. Hexa-chlorobutadiene (87-68-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
35B. Hexachloro-cyclopentadiene (77-47-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
36B. Hexachloro-ethane (67-72-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
38B. Isophorone (78-59-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
39B. Naphthalene (91-20-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
40B. Nitrobenzene (98-95-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
41B. N-Nitrosodimethylamine(62-75-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
42B. N-Nitrosodi-N-Propylamine (621-64-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
43B. N-Nitrosodiphenylamine (86-30-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
44B. Phenanthrene (85-01-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
45B. Pyrene (129-00-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

1.POLLUTANT and CAS NO. (If available)	3. EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS						
1B. Acenaphthene (83-32-9)						
2B. Acenaphthylene (208-96-8)						
3B. Anthracene (120-12-7)						
4B. Benzidine (92-87-5)						
5B. Benzo (a) Anthracene (56-55-3)						
6B. Benzo(a)Pyrene (50-32-8)						
7B. 3,4-Benzo-fluoranthene (205-99-2)						
8B. Benzo (ghi) Perylene (191-24-2)						
9B. Benzo (k) Fluoranthene (207-08-9)						
10B. Bis(2-Chloro-ethoxy) Methane (111-91-1)						
11B. Bis(2-Chloro-ethyl) Ether(111-44-4)						
12B. Bis(2-Chloro-isopropyl) Ether(39638-32-9)						
13B. Bis(2-Ethyl-hexyl) Phthalate(117-81-7)						
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)						
15B. Butyl Benzyl Phthalate (85-86-7)						
16B. 2-Chloro-naphthalene (91-58-7)						
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)						
18B. Chrysene (218-01-9)						
19B. Dibenzo (a,h) Anthracene (53-70-3)						
20B. 1,2-Dichloro-benzene(95-50-1)						
21B. 1,3-Dichloro-benzene (541-73-1)						
22B. 1,4-Dichloro-benzene (106-46-7)						
23B. 3,3-Dichloro-benzidine (91-94-1)						
24B. Diethyl Phthalate (84-66-2)						
25B. Dimethyl Phthalate (131-11-3)						
26B. Di-N-Butyl Phthalate (84-74-2)						
27B. 2,4-Dinitro-toluene (121-14-2)						
28B. 2,6-Dinitro-toluene (206-20-2)						

29B. Di-N-Octyl Phthalate (117-84-0)						
30B. 1,2-Diphenylhydrazine (as Azobenzene)(122-66-7)						
31B. Fluoranthene (206-44-0)						
32B. Fluorene (86-73-7)						
33B. Hexa-chlorobenzene (118-71-1)						
34B. Hexa-chlorobutadiene (87-68-3)						
35B. Hexachloro-cyclopentadiene (77-47-4)						
36B. Hexachloro-ethane (67-72-1)						
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)						
38B. Isophorone (78-59-1)						
39B. Naphthalene (91-20-3)						
40B. Nitrobenzene (98-95-3)						
41B. N-Nitrosodimethylamine(62-75-9)						
42B. N-Nitrosodi-N-Propylamine (621-64-7)						
43B. N-Nitrosodiphenylamine (86-30-6)						
44B. Phenanthrene (85-01-8)						
45B. Pyrene (129-00-0)						
46B. 1,2,4-Tri-chlorobenzene (120-82-1)						

Section XVII C: Intake and Effluent Characteristics - Table C Pesticides

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - PESTICIDES									
1P. Aldrin (309-00-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2P. -BHC (319-84-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3P. -BHC (319-85-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4P. -BHC (58-89-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5P. -BHC (319-86-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6P. Chlordane (57-74-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7P. 4,4-DDT (50-29-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8P. 4,4-DDE (72-55-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9P. 4,4-DDD (72-54-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10P. Dieldrin (60-57-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11P. -Endosulfan (115-29-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
12P. -Endosulfan (115-29-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
13P. Endosulfan Sulfate (1031-07-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
14P. Endrin (72-20-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
15P. Endrin Aldehyde (7421-93-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
16P. Heptachlor (76-44-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
17P. Heptachlor Epoxide (1024-57-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
18P. PCB-1242 (53469-21-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
19P. PCB-1254 (11097-69-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
20P. PCB-1221 (11104-28-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
21P. PCB-1232 (11141-16-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
22P. PCB-1248 (12672-29-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
23P. PCB-1260 (11096-82-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
24P. PCB-1016 (12674-11-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

25P. Toxaphene (8001-35-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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1.POLLUTANT and CAS NO. (If available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
GC/MS FRACTION - PESTICIDES						
				(1) CONC	(2) MASS	
1P. Aldrin (309-00-2)						
2P. -BHC (319-85-7)						
3P. -BHC (319-85-7)						
4P. -BHC (58-89-9)						
5P. -BHC (319-86-8)						
6P. Chlordane (57-74-9)						
7P. 4,4-DDT (50-29-3)						
8P. 4,4-DDE (72-55-9)						
9P. 4,4-DDD (72-54-8)						
10P. Dieldrin (60-57-1)						
11P. -Endosulfan (115-29-7)						
12P. -Endosulfan (115-29-7)						
13P. Endosulfan Sulfate (1031-07-8)						
14P. Endrin (72-20-8)						
15P. Endrin Aldehyde (7421-93-4)						
16P. Heptachlor (76-44-8)						
17P. Heptachlor Epoxide (1024-57-3)						
18P. PCB-1242 (53469-21-9)						
19P. PCB-1254 (11097-69-1)						
20P. PCB-1221 (11104-28-2)						
21P. PCB-1232 (11141-16-5)						
22P. PCB-1248 (12672-29-6)						
23P. PCB-1260 (11096-82-5)						
24P. PCB-1016 (12674-11-2)						
25P. Toxaphene (8001-35-2)						

Section XVII D: Intake and Effluent Characteristics - Part D

Check for no Storm Water.

Part D - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outlet. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Oil and Grease	<1.4 mg/L				1	none
Biological Oxygen demand (BOD5)	1.07 mg/L				1	vegetative cover/cap
Chemical Oxygen Demand (COD)	25.9 mg/L				1	vegetative cover/cap
Total Suspended Solids (TSS)	76.5 mg/L		16.7 mg/L		45	vegetative cover/soils
Total Kjeldahl Nitrogen	0.79 mg/L		0.51 mg/L		2	vegetative cover/cap
Nitrite plus Nitrate Nitrogen	2.9 mg/L		1.33 mg/L		4	vegetative cover/cap
Total Phosphorus	<0.1 mg/L		<0.1 mg/L		2	none
pH	Minimum	6.41	Maximum	8.95		

Section XVII E: Intake and Effluent Characteristics - Part E

Part E - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outlet. See instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		

Section XVII F: Intake and Effluent Characteristics - Part F

Part F- List each pollutant shown in Table B and C of this application that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outlet.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Aluminum, total recoverable	1.29 mg/L		0.54 mg/L		20	sediment
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Fluoride	0.49 mg/L		0.2 mg/L		36	none
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Iron, total recoverable	1.24 mg/L		0.51 mg/L		20	sediment
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Zinc, total recoverable	0.04 mg/L		0.017mg/L		38	none
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Nitrogen, total organic	1.19 mg/L		0.918		5	vegetative cover on cap

Section XVII G: Intake and Effluent Characteristics - Part G

Part G - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1.Date of Storm Event	2.Duration of Strom (in minutes)	3.Total Rainfall during storm event (in inches)	4.Number of days and/or hours between beginning of storm measured and the end of previous measurable rain event	5.Maximum during rain event (gallons/minute or specify units)	6.Total flow from rain event (gallons or specify units)	Season sample was taken	Form of Precipitation (rainfall, snowmelt)
id							

9. Provide a description of the method of flow measurement or estimate.

When collecting grab samples, the flow was estimated by measuring the amount of time it took to fill a graduated cylinder.

Section XVII H: Intake and Effluent Characteristics - Part H

Check if all believed Absent.

H. Select any of the pollutants listed below, which you know or have reasons to believe is discharged or may be discharged from any outlet. For every pollutant you select, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

	Beli- Pre- sent	Beli- eved Abs- ent	
Toxic Pollutants			
Asbestos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Hazardous Substances			
Acetaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Allyl alcohol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Allyl chloride	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Amyl acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Aniline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Benzonitrile	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Benzyl chloride	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Butyl acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Butylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Captan	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbaryl	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbofuran	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbon disulfide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Chlorpyrifos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Coumaphos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cresol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Crotonaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cyclohexane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strychnine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cyclohexane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4-D(2,4-Dichlorophenoxy acetic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diazinon	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Dicamba	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlobenil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlone	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,2-Dichloropropionic acid	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlorvos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dimethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dinitrobenzene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diquat	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Disulfoton	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diuron	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Epichlorohydrin	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethylene diamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethylene dibromide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Formaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Furfural	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Guthion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Isoprene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Isopropanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Kelthane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Kepone	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Malathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mercaptodimethur	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methoxychlor	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methyl mercaptan	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methyl methacrylate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>


Methyl parathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mevinphos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mexacarbate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Monoethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Monomethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Naled	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Napthenic acid	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Nitrotoluene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Parathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Phenolsulfanate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Phosgene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Propargite	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Propylene oxide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Pyrethrines	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Quinoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Resorcinol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strontium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strychnine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Styrene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4,5-T (2,4,5-Trichlorophenoxy acetic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
TDE (Tetrachlorodiphenyl ethane)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4,5-TP (2-(2,4,5-Trichlorophenoxy propanic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Trichlorofon	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Triethanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Triethylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Trimethylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Uranium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Vanadium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Vinyl Acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Xylene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Xylenol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Zirconium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Section XIII: Outlet Location

XIII. OUTLET LOCATION

For each outlet, list the latitude and longitude to the nearest second, the River Mile Point (if known) and the name of the immediate receiving water. (see instructions)

A. Outlet Number:	<input type="text" value="004"/>	
B. Latitude:	<input type="text" value="39"/> °	<input type="text" value="11"/> ' <input type="text" value="02"/> "
C. Longitude:	<input type="text" value="81"/> °	<input type="text" value="41"/> ' <input type="text" value="15"/> " 
UTM Zone:	<input type="text" value="17"/> ▼	
UTM Northing:	<input type="text" value="4337408"/>	
UTM Easting:	<input type="text" value="440622"/>	
D. River Mile Point:	<input type="text" value="201.3"/>	
E. Immediate Receiving Water (include all streams to Major Basin):	<input type="checkbox"/> Unnamed Tributary of	
	<input type="text" value="Dry Run"/> tributary of	<input type="text" value="North Fork of Lee Creek"/> tributary of
	<input type="text" value="Ohio River"/> tributary of	<input type="text"/> tributary of
Major Basin:	<input type="text" value="Middle Ohio River 2"/> ▼	
F. Geospatial Method	<input type="text" value="GPS/GNSS"/> ▼	
Datum:	<input type="text" value="NAD83"/> ▼	
G. Actual Average Flow	<input type="text" value="1578"/> GPD (Gallons Per Day)	

Section XVII A: Intake and Effluent Characteristics - Table A

TABLE A. You must provide the results of at least one analysis for every pollutant in this table. See instructions for additional details.

<input checked="" type="checkbox"/> Check for Storm Water only outlet.							
1.POLLUTANT	2.EFFLUENT						
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVG. VALUE <i>(if available)</i>		d. No.OF ANALYSES
	(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS	
a. Biochemical Oxygen Demand (BOD)							
b. Chemical Oxygen Demand							
c. Total Organic Carbon (TOC)							
d. Total Suspended Solids (TSS)							
e. Ammonia <i>(as N)</i>							
f. Flow	VALUE		VALUE		VALUE		
g. Temperature <i>(winter)</i>	VALUE		VALUE		VALUE		
g. Temperature <i>(summer)</i>	VALUE		VALUE		VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM			

1.POLLUTANT	3.UNITS <i>(specify if blank)</i>		4.INTAKE <i>(optional)</i>		
	a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No.OF ANALYSES
			(1) CONC	(2) MASS	
a. Biochemical Oxygen Demand (BOD)					
b. Chemical Oxygen Demand					
c. Total Organic Carbon (TOC)					
d. Total Suspended Solids (TSS)					
e. Ammonia <i>(as N)</i>					
f. Flow			VALUE		
g. Temperature <i>(winter)</i>			VALUE		
g. Temperature <i>(summer)</i>			VALUE		
i. pH	STANDARD UNITS				

Section XVII B: Intake and Effluent Characteristics - Table B

TABLE B - Select column 2-a for each pollutant you know or have reason to believe is present. Select column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Each pollutant has four items (numbered 2-4) which are required to be filled out if "Believed Present" is selected. It should be noted that Item 5 is optional. See instructions for additional details and requirements.

Check for Storm Water only outlet.

1. POLLUTANT and CAS NO. (If available)	2. SELECT a or b		3. EFFLUENT						d. No. OF ANALYS- ES
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		
			(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS	
a. Bromide (24959-67-9)	<input type="radio"/>	<input type="radio"/>							
b. Chloride	<input type="radio"/>	<input type="radio"/>							
c. Chloride Residual	<input type="radio"/>	<input type="radio"/>							
d. Color	<input type="radio"/>	<input type="radio"/>							
e. Fecal Coliform	<input type="radio"/>	<input type="radio"/>							
f. Fluoride (16984-48-8)	<input type="radio"/>	<input type="radio"/>							
g. Nitrate-Nitrite(as N)	<input type="radio"/>	<input type="radio"/>							
h. Nitrogen, Total Organic (as N)	<input type="radio"/>	<input type="radio"/>							
i. Oil and Grease	<input type="radio"/>	<input type="radio"/>							
j. Phosphorus (as P), Total (7723-14-0)	<input type="radio"/>	<input type="radio"/>							
k. Radioactivity									
(1) Alpha, Total	<input type="radio"/>	<input type="radio"/>							
(2) Beta, Total	<input type="radio"/>	<input type="radio"/>							
(3) Radium, Total	<input type="radio"/>	<input type="radio"/>							
(4) Radium 226, Total	<input type="radio"/>	<input type="radio"/>							
l. Sulfate(as SO ₄) (14808-79-8)	<input type="radio"/>	<input type="radio"/>							
m. Sulfide (as S)	<input type="radio"/>	<input type="radio"/>							
n. Sulfite(as SO ₃) (14265-45-3)	<input type="radio"/>	<input type="radio"/>							
o. Surfactants	<input type="radio"/>	<input type="radio"/>							
p. Aluminum, Total (7429-90-5)	<input type="radio"/>	<input type="radio"/>							

q. Barium, Total (7440-39-3)	<input type="radio"/>	<input type="radio"/>							
r. Boron, Total (7440-42-8)	<input type="radio"/>	<input type="radio"/>							
s. Cobalt, Total (7440-48-4)	<input type="radio"/>	<input type="radio"/>							
t. Iron, Total (7439-89-6)	<input type="radio"/>	<input type="radio"/>							
u. Magnesium, Total (7439-95-4)	<input type="radio"/>	<input type="radio"/>							
v. Molybdenum Total (7439-98-7)	<input type="radio"/>	<input type="radio"/>							
w. Manganese, Total (7439-96-5)	<input type="radio"/>	<input type="radio"/>							
x. Tin, Total (7440-31-5)	<input type="radio"/>	<input type="radio"/>							
y. Titanium, Total (7440-32-6)	<input type="radio"/>	<input type="radio"/>							

1.POLLUTANT and CAS NO. (If available)	4.UNITS (specify if blank)		5.INTAKE (optional)		
	a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
			(1) CONC	(2) MASS	
a. Bromide (24959-67-9)					
b. Chloride					
c. Chloride Residual					
d. Color					
e. Fecal Coliform					
f. Fluoride (16984-48-8)					
g. Nitrate-Nitrite (as N)					
h. Nitrogen, Total Organic (as N)					
i. Oil and Grease					
j. Phosphorus (as P), Total (7723-14-0)					
k. Radioactivity					
(1) Alpha, Total					
(2) Beta, Total					
(3) Radium, Total					
(4) Radium 226, Total					
l. Sulfate (as SO ₄) (14808-79-8)					
m. Sulfide (as S)					
n. Sulfite (as SO ₃) (14265-45-3)					
o. Surfactants					
p. Aluminum, Total (7429-90-5)					
q. Barium, Total (7440-39-3)					
r. Boron, Total (7440-42-8)					
s. Cobalt, Total (7440-48-4)					
t. Iron, Total (7439-89-6)					
u. Magnesium, Total (7439-95-4)					
v. Molybdenum Total (7439-98-7)					
w. Manganese, Total (7439-96-5)					
x. Tin, Total (7440-31-5)					
y. Titanium, Total (7440-32-6)					

Section XVII C: Intake and Effluent Characteristics - Table C Metals

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
<p>TABLE C - If you are a primary industry and this outlet contains process wastewater, refer to Table 2 in the instructions to determine which of the GC/MS fractions you must test for. Select column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outlet, and non-required GC/MS fractions) select column 2-b for each pollutant you know or have reason to believe is present. Select column 2-c for each pollutant you believe to be absent. If you Select either column 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Each pollutant has four items (numbered 2-4) which are required to be filled out if "Testing Required" or "Believed Present" is selected. It should be noted that Item 5 is optional. See instructions for additional details and requirements.</p>									
1. POLLUTANT and CAS NO. (if available)	2. Select			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
METALS, CYANIDE, AND TOTAL PHENOLS									
1M. Antimony, Total(7440-38-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2M. Arsenic, Total(7440-38-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3M. Beryllium, Total (74440-41-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4M. Cadmium, Total(7440-43-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5M. Chromium, Total(7440-47-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6M. Copper, Total(7550-50-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7M. Lead, Total (7439-97-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8M. Mercury, Total(7439-97-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9M. Nickel, Total(7440-02-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10M. Selenium, Total(7782-49-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11M. Silver, Total(7440-22-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
12M. Thallium, Total(7440-28-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
13M. Zinc, Total(7440-66-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
14M. Cyanide, Total(57-12-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
15M. Phenols, Total	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
DIOXIN									
2,3,7,8-tetra-chlorobibenzo-P-Dioxin (1764-01-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	DESCRIBE RESULTS					

TABLE C -						
1.POLLUTANT and CAS NO. (if available)	3. EFFLUENT d. No. OF ANALYSES	4.UNITS (<i>specify if blank</i>)		5.INTAKE (<i>optional</i>)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
1M. Antimony, Total(7440-38-2)						
2M. Arsenic, Total(7440-38-2)						
3M.Beryllium, Total (74440-41-7)						
4M. Cadmium, Total(7440-43-9)						
5M.Chromium, Total(7440-47-3)						
6M. Copper, Total(7550-50-8)						
7M. Lead, Total (7439-97-6)						
8M. Mercury, Total(7439-97-8)						
9M. Nickel, Total(7440-02-0)						
10M. Selenium, Total(7782-49-2)						
11M. Silver, Total(7440-22-4)						
12M. Thallium, Total(7440-28-0)						
13M. Zinc, Total(7440-66-6)						
14M. Cyanide, Total(57-12-5)						
15M. Phenols, Total						

Section XVII C: Intake and Effluent Characteristics - Table C Volatile Compounds

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (if available)	2. Select			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - VOLATILE COMPOUNDS									
1V. Acrolein (107-02-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2V. Acrylonitrile (107-13-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3V. Benzene (71-43-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4V. Bromoform (75-25-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5V. Carbon Tetrachloride (56-23-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6V. Chlorobenzene (108-90-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7V. Chlorodibromomethene (124-48-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8V. Chloroethane (75-00-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9V. 2-Chloroethylvinyl Ether (110-75-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10V. Chloroform (67-66-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11V. Dichlorobromomethane (75-27-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
12V. 1,1-Dichloroethane (75-34-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
13V. 1,2-Dichloroethane (107-06-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
14V. 1,1-Dichloroethylene (75-35-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
15V. 1,2-Dichloropropane (78-87-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
16V. 1,3-Dichloropropylene (542-75-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
17V. Ethylbenzene (100-41-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
18V. Methyl Bromide (74-83-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
19V. Methyl Chloride (74-87-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
20V. Methylene Chloride (75-09-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
21V. 1,1,2,2-Tetrachloroethane (79-34-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
22V. Tetrachloroethylene (127-18-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
23V. Toluene (108-88-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

24V. 1,2-Trans-Dichloroethylene (156-60-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
25V. 1,1,1-Trichloroethane (71-55-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26V. 1,1,2-Trichloroethane (79-00-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
27V. Trichloroethylene(79-01-61)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
28V. Vinyl Chloride(75-01-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

1.POLLUTANT and CAS NO. (if available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS						
1V. Acrolein (107-02-8)						
2V. Acrylonitrile (107-13-1)						
3V. Benzene (71-43-2)						
4V. Bromoform (75-25-2)						
5V. Carbon Tetrachloride (56-23-5)						
6V. Chlorobenzene (108-90-7)						
7V. Chlorodibromomethene (124-48-1)						
8V. Chloroethane (75-00-3)						
9V. 2-Chloroethylvinyl Ether (110-75-8)						
10V. Chloroform (67-66-3)						
11V. Dichlorobromomethane (75-27-4)						
12V. 1,1-Dichloroethane (75-34-3)						
13V. 1,2-Dichloroethane (107-06-2)						
14V. 1,1-Dichloroethylene (75-35-4)						
15V. 1,2-Dichloropropane (78-87-5)						
16V. 1,3-Dichloropropylene (542-75-6)						
17V. Ethylbenzene (100-41-4)						
18V. Methyl Bromide (74-83-9)						
19V. Methyl Chloride (74-87-3)						
20V. Methylene Chloride (75-09-2)						
21V. 1,1,2,2-Tetrachloroethane (79-34-5)						
22V. Tetrachloroethylene(127-18-4)						
23V. Toluene (108-88-3)						
24V. 1,2-Trans-Dichloroethylene (156-60-5)						
25V. 1,1,1-Tri-chloroethane (71-55-6)						

26V. 1,1,2-Trichloroethane (79-00-5)						
27V. Trichloroethylene(79-01-61)						
28V. Vinyl Chloride(75-01-4)						

Section XVII C: Intake and Effluent Characteristics - Table C Acid Compounds

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - ACID COMPOUNDS									
1A. 2-Chlorophenol (95-57-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2A. 2,4-Dichlorophenol (120-83-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3A. 2,4-Dimethylphenol (105-67-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4A. 4,6-Dinitro-O-Cresol (534-52-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5A. 2,4-Dinitrophenol (51-28-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6A. 2-Nitro-phenol (88-75-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7A. 4-Nitro-phenol (100-02-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8A. P-Chloro-M-Cresol (59-50-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9A. Pentachlorophenol (87-86-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10A. Phenol (108-95-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11A. 2,4,6-Trichlorophenol (88-06-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

1.POLLUTANT and CAS NO. (if available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - ACID COMPOUNDS						
1A. 2-Chlorophenol (95-57-8)						
2A. 2,4-Dichlorophenol (120-83-2)						
3A. 2,4-Dimethylphenol (105-67-9)						
4A. 4,6-Dinitro-O-Cresol (534-52-1)						
5A. 2,4-Dinitrophenol (51-28-5)						
6A. 2-Nitrophenol (88-75-5)						
7A. 4-Nitrophenol (100-02-7)						
8A. P-Chloro-M-Cresol (59-50-7)						
9A. Pentachlorophenol (87-86-5)						
10A. Phenol (108-95-2)						
11A. 2,4,6-Trichlorophenol (88-06-2)						

Section XVII C: Intake and Effluent Characteristics - Table C Base/Neutral Compounds

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2B. Acenaphthylene (208-96-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3B. Anthracene (120-12-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4B. Benzidine (92-87-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5B. Benzo (a) Anthracene (56-55-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6B. Benzo(a)Pyrene (50-32-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7B. 3,4-Benzo-fluoranthene (205-99-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8B. Benzo (ghi) Perylene (191-24-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9B. Benzo (k) Fluoranthene (207-08-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10B. Bis(2-Chloro-ethoxy) Methane (111-91-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11B. Bis(2-Chloro-ethyl) Ether(111-44-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
12B. Bis(2-Chloro-isopropyl) Ether(39638-32-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
13B. Bis(2-Ethyl-hexyl) Phthalate(117-81-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
15B. Butyl Benzyl Phthalate (85-86-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
16B. 2-Chloro-naphthalene (91-58-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
18B. Chrysene (218-01-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
19B. Dibenzo (a,h) Anthracene (53-70-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
20B. 1,2-Dichloro-benzene(95-50-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
21B. 1,3-Dichloro-benzene (541-73-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
22B. 1,4-Dichloro-benzene (106-46-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
23B. 3,3-Dichloro-benzidine (91-94-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
24B. Diethyl Phthalate (84-66-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

25B. Dimethyl Phthalate (131-11-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
26B. Di-N-Butyl Phthalate (84-74-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
27B. 2,4-Dinitro-toluene (121-14-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
28B. 2,6-Dinitro-toluene (206-20-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
29B. Di-N-Octyl Phthalate (117-84-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
30B. 1,2-Diphenylhydrazine (as Azobenzene)(122-66-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
31B. Fluoranthene (206-44-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
32B. Fluorene (86-73-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
33B. Hexa-chlorobenzene (118-71-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
34B. Hexa-chlorobutadiene (87-68-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
35B. Hexachloro-cyclopentadiene (77-47-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
36B. Hexachloro-ethane (67-72-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
38B. Isophorone (78-59-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
39B. Naphthalene (91-20-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
40B. Nitrobenzene (98-95-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
41B. N-Nitrosodimethylamine(62-75-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
42B. N-Nitrosodi-N-Propylamine (621-64-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
43B. N-Nitrosodiphenylamine (86-30-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
44B. Phenanthrene (85-01-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
45B. Pyrene (129-00-0)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

1.POLLUTANT and CAS NO. (If available)	3. EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
				(1) CONC	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS						
1B. Acenaphthene (83-32-9)						
2B. Acenaphthylene (208-96-8)						
3B. Anthracene (120-12-7)						
4B. Benzidine (92-87-5)						
5B. Benzo (a) Anthracene (56-55-3)						
6B. Benzo(a)Pyrene (50-32-8)						
7B. 3,4-Benzo-fluoranthene (205-99-2)						
8B. Benzo (ghi) Perylene (191-24-2)						
9B. Benzo (k) Fluoranthene (207-08-9)						
10B. Bis(2-Chloro-ethoxy) Methane (111-91-1)						
11B. Bis(2-Chloro-ethyl) Ether(111-44-4)						
12B. Bis(2-Chloro-isopropyl) Ether(39638-32-9)						
13B. Bis(2-Ethyl-hexyl) Phthalate(117-81-7)						
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)						
15B. Butyl Benzyl Phthalate (85-86-7)						
16B. 2-Chloro-naphthalene (91-58-7)						
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)						
18B. Chrysene (218-01-9)						
19B. Dibenzo (a,h) Anthracene (53-70-3)						
20B. 1,2-Dichloro-benzene(95-50-1)						
21B. 1,3-Dichloro-benzene (541-73-1)						
22B. 1,4-Dichloro-benzene (106-46-7)						
23B. 3,3-Dichloro-benzidine (91-94-1)						
24B. Diethyl Phthalate (84-66-2)						
25B. Dimethyl Phthalate (131-11-3)						
26B. Di-N-Butyl Phthalate (84-74-2)						
27B. 2,4-Dinitro-toluene (121-14-2)						
28B. 2,6-Dinitro-toluene (206-20-2)						

29B. Di-N-Octyl Phthalate (117-84-0)						
30B. 1,2-Diphenylhydrazine (as Azobenzene)(122-66-7)						
31B. Fluoranthene (206-44-0)						
32B. Fluorene (86-73-7)						
33B. Hexa-chlorobenzene (118-71-1)						
34B. Hexa-chlorobutadiene (87-68-3)						
35B. Hexachloro-cyclopentadiene (77-47-4)						
36B. Hexachloro-ethane (67-72-1)						
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)						
38B. Isophorone (78-59-1)						
39B. Naphthalene (91-20-3)						
40B. Nitrobenzene (98-95-3)						
41B. N-Nitrosodimethylamine(62-75-9)						
42B. N-Nitrosodi-N-Propylamine (621-64-7)						
43B. N-Nitrosodiphenylamine (86-30-6)						
44B. Phenanthrene (85-01-8)						
45B. Pyrene (129-00-0)						
46B. 1,2,4-Tri-chlorobenzene (120-82-1)						

Section XVII C: Intake and Effluent Characteristics - Table C Pesticides

<input checked="" type="checkbox"/> Check for Storm Water only outlet.									
1. POLLUTANT and CAS NO. (If available)	2. SELECT			3. EFFLUENT					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)	
				(1) CONC	(2) MASS	(1) CONC	(2) MASS	(1) CONC	(2) MASS
GC/MS FRACTION - PESTICIDES									
1P. Aldrin (309-00-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
2P. -BHC (319-84-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
3P. -BHC (319-85-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
4P. -BHC (58-89-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
5P. -BHC (319-86-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
6P. Chlordane (57-74-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
7P. 4,4-DDT (50-29-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
8P. 4,4-DDE (72-55-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
9P. 4,4-DDD (72-54-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
10P. Dieldrin (60-57-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
11P. -Endosulfan (115-29-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
12P. -Endosulfan (115-29-7)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
13P. Endosulfan Sulfate (1031-07-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
14P. Endrin (72-20-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
15P. Endrin Aldehyde (7421-93-4)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
16P. Heptachlor (76-44-8)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
17P. Heptachlor Epoxide (1024-57-3)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
18P. PCB-1242 (53469-21-9)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
19P. PCB-1254 (11097-69-1)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
20P. PCB-1221 (11104-28-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
21P. PCB-1232 (11141-16-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
22P. PCB-1248 (12672-29-6)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
23P. PCB-1260 (11096-82-5)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
24P. PCB-1016 (12674-11-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

25P. Toxaphene (8001-35-2)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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1.POLLUTANT and CAS NO. (If available)	3.EFFLUENT d. No. OF ANALYSES	4.UNITS (specify if blank)		5.INTAKE (optional)		
		a. CONC	b. MASS	a. LONG TERM AVG. VALUE		b. No. OF ANALYSES
GC/MS FRACTION - PESTICIDES						
				(1) CONC	(2) MASS	
1P. Aldrin (309-00-2)						
2P. -BHC (319-85-7)						
3P. -BHC (319-85-7)						
4P. -BHC (58-89-9)						
5P. -BHC (319-86-8)						
6P. Chlordane (57-74-9)						
7P. 4,4-DDT (50-29-3)						
8P. 4,4-DDE (72-55-9)						
9P. 4,4-DDD (72-54-8)						
10P. Dieldrin (60-57-1)						
11P. -Endosulfan (115-29-7)						
12P. -Endosulfan (115-29-7)						
13P. Endosulfan Sulfate (1031-07-8)						
14P. Endrin (72-20-8)						
15P. Endrin Aldehyde (7421-93-4)						
16P. Heptachlor (76-44-8)						
17P. Heptachlor Epoxide (1024-57-3)						
18P. PCB-1242 (53469-21-9)						
19P. PCB-1254 (11097-69-1)						
20P. PCB-1221 (11104-28-2)						
21P. PCB-1232 (11141-16-5)						
22P. PCB-1248 (12672-29-6)						
23P. PCB-1260 (11096-82-5)						
24P. PCB-1016 (12674-11-2)						
25P. Toxaphene (8001-35-2)						

Section XVII D: Intake and Effluent Characteristics - Part D

Check for no Storm Water.

Part D - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outlet. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Oil and Grease	<1.5 mg/L				1	none
Biological Oxygen demand (BOD5)	1.01 mg/L				1	vegetative cover/cap
Chemical Oxygen Demand (COD)	28.9				1	vegetative cover/cap
Total Suspended Solids (TSS)	83.5 mg/L		25 mg/L		50	vegetative cover/soils
Total Kjeldahl Nitrogen	0.86 mg/L		0.69 mg/L		2	vegetative cover/cap
Nitrite plus Nitrate Nitrogen	0.45 mg/L		0.24 mg/L		5	vegetative cover/cap
Total Phosphorus	<0.1mg/L		<0.1 mg/L		2	none
pH	Minimum	6.65	Maximum	8.9		

Section XVII E: Intake and Effluent Characteristics - Part E

Part E - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outlet. See instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		


Section XVII F: Intake and Effluent Characteristics - Part F

Part F- List each pollutant shown in Table B and C of this application that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outlet.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Aluminum, total recoverable	2.73 mg/L		0.88 mg/L		23	sediment
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Fluoride	0.31 mg/L		0.16 mg/L		40	none
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Iron, total recoverable	2.01 mg/L		0.77 mg/L		22	sediment
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Zinc, total recoverable	0.16 mg/L		0.02 mg/L		41	none
Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow Weighted Composite		
Nitrogen, Total Organic	1.27 mg/L		0.83 mg/L		5	vegetative cover/cap

Section XVII G: Intake and Effluent Characteristics - Part G

Part G - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1.Date of Storm Event	2.Duration of Strom (in minutes)	3.Total Rainfall during storm event (in inches)	4.Number of days and/or hours between beginning of storm measured and the end of previous measurable rain event	5.Maximum during rain event (gallons/minute or specify units)	6.Total flow from rain event (gallons or specify units)	Season sample was taken	Form of Precipitation (rainfall, snowmelt)
							

9. Provide a description of the method of flow measurement or estimate.

When collecting grab samples, the flow was estimated by measuring the amount of time it took to fill a graduated cylinder.

Section XVII H: Intake and Effluent Characteristics - Part H

Check if all believed Absent.

H. Select any of the pollutants listed below, which you know or have reasons to believe is discharged or may be discharged from any outlet. For every pollutant you select, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

	Beli- Pre- sent	Beli- eved Abs- ent	
Toxic Pollutants			
Asbestos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Hazardous Substances			
Acetaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Allyl alcohol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Allyl chloride	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Amyl acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Aniline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Benzonitrile	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Benzyl chloride	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Butyl acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Butylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Captan	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbaryl	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbofuran	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Carbon disulfide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Chlorpyrifos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Coumaphos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cresol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Crotonaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cyclohexane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strychnine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Cyclohexane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4-D(2,4-Dichlorophenoxy acetic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diazinon	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Dicamba	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlobenil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlone	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,2-Dichloropropionic acid	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dichlorvos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dimethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Dinitrobenzene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diquat	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Disulfoton	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Diuron	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Epichlorohydrin	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethylene diamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Ethylene dibromide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Formaldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Furfural	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Guthion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Isoprene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Isopropanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Kelthane	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Kepone	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Malathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mercaptodimethur	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methoxychlor	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methyl mercaptan	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Methyl methacrylate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Methyl parathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mevinphos	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Mexacarbate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Monoethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Monomethyl amine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Naled	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Napthenic acid	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Nitrotoluene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Parathion	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Phenolsulfanate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Phosgene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Propargite	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Propylene oxide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Pyrethrines	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Quinoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Resorcinol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strontium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Strychnine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Styrene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4,5-T (2,4,5-Trichlorophenoxy acetic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
TDE (Tetrachlorodiphenyl ethane)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
2,4,5-TP (2-(2,4,5-Trichlorophenoxy propanic acid)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Trichlorofon	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Triethanolamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Triethylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Trimethylamine	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Uranium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Vanadium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Vinyl Acetate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Xylene	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Xylenol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>
Zirconium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/>

Section XII: Certification**XII. CERTIFICATION** (see instructions)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME OFFICIAL TITLE

B. SIGNATURE _____


C. DATE SIGNED 

Please Print, Sign, Scan and attach this document rather than mailing as a wet ink signature is no longer required.

Section XIV: Flows, Sources of Pollution and Treatment Technologies**XIV. FLOWS, SOURCES OF POLLUTION AND TREATMENT TECHNOLOGIES**

A. Include with this application:

(1) A site layout drawing (see instructions for precise details);

 (2) A line drawing showing the water flow through the facility (see details and Figure 1 of the instructions for an example); and  Figure 1

(3) Details and drawings of each treatment unit (see instructions for precise details).

B. For each outlet provide a description of: (1)(a) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff (including material handling and storage area run-off and areas where pesticides, herbicides, soil conditioners and fertilizers are applied); (1)(b) The average flow contributed by each operation; and (2) The treatment received by the wastewater. Use the table below to enter this information. For additional outlets click the **Add 1 Row** button.

Outlet Number (list):	003
<u>Operation(s) Contributing to Flow:</u>	
a. Operation (list):	Storm water
b. Average Flow (mgd):	0.017 MGD
a. Treatment Description:	N/A
b. Treatment List Codes from Table 1 (see instructions):	N/A
Outlet Number (list): 004 <u>Operation(s) Contributing to Flow:</u>	
a. Operation (list):	Storm water
b. Average Flow (mgd):	0.024 MGD
a. Treatment Description:	N/A
b. Treatment List Codes from Table 1 (see instructions):	N/A
Outlet Number (list): 006 <u>Operation(s) Contributing to Flow:</u>	
a. Operation (list):	Water from sedimentation basin after treatment
b. Average Flow (mgd):	0.2304
a. Treatment Description:	Sand bed, sedimentation, filtration, GAC, discharge
b. Treatment List Codes from Table 1 (see instructions):	1-V, 1-U, 1-Q, 2-A, 4-A
Outlet Number (list): 007 <u>Operation(s) Contributing to Flow:</u>	
a. Operation (list):	Water from sedimentation basin which by-passes treatment during extremely high precipitation events.
b. Average Flow (mgd):	0
a. Treatment Description:	N/A
b. Treatment List Codes from Table 1 (see instructions):	N/A

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items XIV-A or B intermittent or seasonal?

Yes (complete the following table)
 No (go to Section XV)

1.	Outlet Number (list):	<input style="width: 150px;" type="text"/>
2.	Operation(s) Contributing Flow (list):	<input style="width: 300px;" type="text"/>
3.	<u>Frequency (Avg):</u>	
a.	Days Per Week:	<input style="width: 150px;" type="text"/>
b.	Months Per Year:	<input style="width: 150px;" type="text"/>
4.	<u>Flow:</u>	
a.	<u>Flow Rate (mgd):</u>	
1.	Long Term Avg	<input style="width: 80px;" type="text"/>
2.	Max Daily:	<input style="width: 80px;" type="text"/>
b.	<u>Duration (in days):</u>	<input style="width: 80px;" type="text"/>

Section XV: Effluent Guideline Information

XV. EFFLUENT GUIDELINE INFORMATION (see instructions)

A. Does an effluent guideline limitation promulgated by EPA under 304 of the Clean Water Act apply to your facility?
 Yes (complete Item XV-B&C) No (go to Item XVI)

B. What specific effluent guideline(s) apply to your operation? Include appropriate subcategory of industry.

C. Are limitations in the applicable effluent guideline expressed in terms of production?
 Yes (complete XV-D) No (go to Item XV-E)

D. List the quantity which represents an actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outlets. Please use the Quantity table below.
Please fill out the form below for each affected outlet

E. Provide the appropriate basis for calculating guideline based effluent limitations.

1.MAXIMUM QUANTITY a.Quantity/day	1.MAXIMUM QUANTITY b.Units of Measure	1.MAXIMUM QUANTITY c.Operation, product, material, etc. (specify)	2.AFFECTED OUTLETS (list outlet numbers)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Section XVI: Improvements

XVI. IMPROVEMENTS

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.
 Yes (complete the following table) No (go to Item XVI-B)

1. Identification of Condition Agreement, etc:	<input type="text"/>
2. <u>Affected Outlets:</u>	
a. Number	<input type="text"/>
b. Source of Discharge	<input type="text"/>
3. Brief Description of Project	<input type="text"/>
4. <u>Final Compliance Date:</u>	
a. Required	<input type="text"/>
b. Projected	<input type="text"/>

XVI B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.
 If description of additional control programs is attached. Paper Electronic

Section XVIII: Potential Discharges not Covered by Analysis

XVIII. **POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

A. Provide a list of any toxic pollutant not otherwise listed in Item XVII-C which you do or expect that you will over the next 5 years use or manufacture as an immediate or final product or byproduct. Also list sources and expected levels of such pollutants and provide MATERIAL SAFETY DATA SHEETS (MSDS) for each pollutant listed. Continue on additional sheets if necessary.

See PFOA data from 2016 through 2020 attached here. Also, Attachment D of the Solid Waste portion of this permit renewal (Section XXI) contains a data table of all constituents sampled since 2016, which includes PFOA results for all outlets and monitoring wells. See Attachment E of Section XXI to find an MSDS for PFOA.

B. Provide a listing and frequency of all chemical or treatment agents used in cooling water systems, boiler water systems, well redevelopment operations, and each wastewater treatment system utilized. Also list all pesticides, herbicides, soil conditioners and fertilizers used at this site, and provide MSDS Sheets for each agent list. Continue on additional sheets if necessary.

MSDSs for chemicals and other agents can be found in in Attachment E of Section XXI.

Section XIX: Biological Toxicity Testing Data

XIX. **BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Yes (identify the test(s) and describe their purpose) No (go to Item XX)

Semi-Annual Chronic Toxicity Testing on Outlet 006 is completed approximately every 6 months as required by the current permit WV0076244. This includes a three brood Ceriodaphnic survival and reproduction toxicity test, and a 7-day Fathead Minnow larval survival and growth toxicity test. NPDES Permit WV0076244 requires semi-annual sampling with a limit of 1 TUC. Every sample event has resulted in 0 TUC.

Or, you can attach a document: Paper Electronic

Section XX: Sampling and Analysis Information

XX. **SAMPLING AND ANALYSIS INFORMATION**

A. Sampling Method: Briefly describe procedure followed including type of equipment or collection apparatus used.

Outlet samples are grab samples directly into laboratory containers. Monitoring wells are sampled by the low-flow purging and sampling technique, using dedicated bladder pumps and a flow cell to measure field parameters after reaching equilibrium. Before collecting the samples, the flow cell is removed and the sample is collected directly from the dedicated bladder pump tubing into the laboratory containers. Bioassay samples for Ceriodaphnia Chronic Toxicity and Pimephales Chronic Toxicity are collected over 24-hours in a composite sampler.

B. Were sample preservatives used? Yes No

C. Was the latest approved edition of Standard Methods used during analysis?
 Yes (go to XX-E) No (complete Item XX-D)

D. Describe method used during analysis.

E.Outlet Sampled	F.Time Sampled	G.Date Sampled	H.Date Analyzed	I Name and Address of Laboratory
Outlet 003	10:00	2/3/2016	2/3/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/3/2016	2/4/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/3/2016	2/5/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/3/2016	2/9/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/3/2016	2/10/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	3/25/2016	3/25/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	3/25/2016	3/30/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	3/25/2016	4/1/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:10	4/12/2016	4/15/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:10	4/12/2016	4/18/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:10	4/12/2016	4/20/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:10	4/12/2016	4/21/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:40	6/23/2016	6/27/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:40	6/23/2016	6/29/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:40	6/23/2016	7/1/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	15:10	7/28/2016	8/1/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	15:10	7/28/2016	8/3/2016	Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	15:10	7/28/2016	8/4/2016	Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 003	11:30	10/21/2016		10/25/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:30	10/21/2016		10/26/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:30	10/21/2016		10/27/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	12/6/2016		12/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	12/6/2016		12/9/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	12/6/2016		12/10/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	12/6/2016		12/13/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	12/6/2016		12/15/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:20	1/3/2017		1/4/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:20	1/3/2017		1/5/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:20	1/3/2017		1/6/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:20	1/3/2017		1/10/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	2/7/2017		2/9/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	2/7/2017		2/13/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:30	2/28/2017		3/2/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:30	2/28/2017		3/5/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	17:10	3/7/2017		3/8/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	17:10	3/7/2017		3/9/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	17:10	3/7/2017		3/10/2017		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 003	10:30	3/31/2017		4/3/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	3/31/2017		4/4/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	7:30	6/19/2017		6/20/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	7:30	6/19/2017		6/21/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	7:30	6/19/2017		6/22/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	7:30	6/19/2017		6/23/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:15	6/20/2017		6/26/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:15	6/20/2017		6/27/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:15	7/6/2017		7/10/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:15	7/6/2017		7/11/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:15	7/6/2017		7/12/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:00	7/11/2017		7/13/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:00	7/11/2017		7/14/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:00	7/11/2017		7/17/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	17:50	10/23/2017		10/25/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	17:50	10/23/2017		10/26/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	17:50	10/23/2017		10/30/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:20	11/6/2017		11/8/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:20	11/6/2017		11/9/2017		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 003	11:45	1/12/2018		1/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:45	1/12/2018		1/16/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:45	1/12/2018		1/18/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:50	2/7/2018		2/9/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:50	2/7/2018		2/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:50	2/7/2018		2/14/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:50	2/7/2018		2/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:10	2/16/2018		2/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:10	2/16/2018		2/21/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:10	2/16/2018		2/22/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:00	3/20/2018		3/22/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:00	3/20/2018		3/23/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:00	3/20/2018		3/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:00	3/28/2018		3/31/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:00	3/28/2018		4/2/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:10	4/24/2018		4/26/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:10	4/24/2018		5/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:00	8/21/2018		8/23/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:00	8/21/2018		8/24/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 003	13:00	8/21/2018		8/25/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:00	8/21/2018		8/28/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:00	8/21/2018		8/29/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	9/10/2018		9/12/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	9/10/2018		9/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	9/10/2018		9/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	9/10/2018		9/19/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:50	9/17/2018		9/21/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:50	9/17/2018		9/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:15	11/9/2018		11/11/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:15	11/9/2018		11/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:15	11/9/2018		11/14/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:45	12/21/2018		12/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:45	12/21/2018		12/28/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:45	12/21/2018		12/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:45	12/21/2018		12/31/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:45	12/21/2018		1/2/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:30	1/24/2019		1/25/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:30	1/24/2019		1/26/2019		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 003	12:30	1/24/2019		1/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:30	1/24/2019		1/29/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/6/2019		2/8/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/6/2019		2/9/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/6/2019		2/11/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/6/2019		2/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:00	2/11/2019		2/14/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:00	2/11/2019		2/15/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	3/25/2019		3/26/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	3/25/2019		3/27/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:30	3/25/2019		3/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:45	4/26/2019		4/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:45	4/26/2019		4/30/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:45	4/26/2019		5/1/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:45	4/26/2019		5/2/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	16:00	6/10/2019		6/12/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	16:00	6/10/2019		6/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	16:00	6/10/2019		6/17/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	16:00	6/10/2019		6/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 003	9:30	8/7/2019		8/8/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:30	8/7/2019		8/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	9:30	8/7/2019		8/14/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:15	10/7/2019		10/9/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:15	10/7/2019		10/10/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	14:15	10/7/2019		10/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:45	11/7/2019		11/12/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:45	11/7/2019		11/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:45	11/7/2019		11/14/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	13:45	11/17/2019		11/15/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	8:30	12/17/2019		12/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	8:30	12/17/2019		12/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	8:30	12/17/2019		12/24/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:20	1/24/2020		1/24/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:20	1/24/2020		1/28/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	12:20	1/24/2020		2/4/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:00	2/13/2020		2/13/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:00	2/13/2020		2/14/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:00	2/13/2020		2/18/2020		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 003	11:00	2/13/2020		2/21/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	11:00	2/13/2020		2/27/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	09:00	3/19/2020		3/19/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	09:00	3/19/2020		3/20/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	09:00	3/19/2020		3/23/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	09:00	3/19/2020		3/26/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	4/9/2020		4/10/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	4/9/2020		4/13/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	4/9/2020		4/14/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	4/9/2020		4/15/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	4/9/2020		4/16/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	4/9/2020		4/20/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:30	4/9/2020		4/21/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 003	10:00	2/3/2016		2/24/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	10:30	3/25/2016		4/4/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	11:10	4/12/2016		4/20/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	12:20	6/23/2016		7/7/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 003	15:10	7/28/2016		8/20/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	12:00	10/21/2016		10/31/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	14:45	12/6/2016		12/22/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	13:20	1/3/2017		1/12/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	10:30	2/7/2017		2/20/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	12:30	2/28/2017		3/6/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	17:10	3/7/2017		3/16/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	10:30	3/31/2017		4/6/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	7:30	6/19/2017		7/13/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	14:15	7/6/2017		7/13/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	9:00	7/11/2017		7/28/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	17:50	10/23/2017		11/11/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	13:20	11/6/2017		11/16/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	11:45	1/12/2018		1/22/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	11:50	2/7/2018		2/21/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 003	9:10	2/16/2018		3/5/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	9:00	3/20/2018		3/30/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	11:00	3/28/2018		4/16/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	12:10	4/24/2018		5/12/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	13:00	8/21/2018		9/4/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	10:00	9/10/2018		9/21/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	11:50	9/17/2018		10/1/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	11:15	11/9/2018		11/15/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	12:45	12/21/2018		12/28/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	12:30	1/24/2019		1/31/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	10:00	2/6/2019		2/14/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	13:00	2/11/2019		2/25/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	14:30	3/25/2019		3/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	9:45	4/26/2019		5/10/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	16:00	6/10/2019		6/28/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 003	9:30	8/7/2019		8/15/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	14:15	10/7/2019		10/21/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	13:45	11/7/2019		11/14/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	8:30	12/17/2019		12/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	12:20	1/24/2020		1/31/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	11:00	2/13/2020		2/21/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	9:00	3/19/2020		3/27/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 003	10:30	4/9/2020		4/16/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	10:20	2/3/2016		2/3/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/3/2016		2/4/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/3/2016		2/5/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/3/2016		2/9/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/3/2016		2/10/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:10	3/25/2016		3/25/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:10	3/25/2016		3/30/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:10	3/25/2016		4/1/2016		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	11:30	4/12/2016		4/15/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:30	4/12/2016		4/18/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:30	4/12/2016		4/20/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:30	4/12/2016		4/21/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:45	6/23/2016		6/27/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:45	6/23/2016		6/29/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:45	6/23/2016		7/1/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	7/28/2016		8/1/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	7/28/2016		8/3/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	7/28/2016		8/4/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:10	10/21/2016		10/25/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:10	10/21/2016		10/26/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:10	10/21/2016		10/27/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	11/30/2016		12/1/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	11/30/2016		12/5/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	11/30/2016		12/7/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:15	12/6/2016		12/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:15	12/6/2016		12/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:15	12/6/2016		12/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	12:15	12/6/2016		12/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:15	12/6/2016		12/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:40	1/3/2017		1/4/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:40	1/3/2017		1/5/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:40	1/3/2017		1/6/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:40	1/3/2017		1/10/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:45	2/7/2017		2/9/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:45	2/7/2017		2/13/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:45	2/28/2017		3/2/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:45	2/28/2017		3/5/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	17:25	3/7/2017		3/8/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	17:25	3/7/2017		3/9/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	17:25	3/7/2017		3/10/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:50	3/31/2017		4/3/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:50	3/31/2017		4/4/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:15	6/13/2017		6/14/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:15	6/13/2017		6/16/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:15	6/13/2017		6/19/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	7:45	6/19/2017		6/20/2017		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	7:45	6/19/2017		6/21/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:15	6/20/2017		6/26/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:15	6/20/2017		6/27/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	7/6/2017		7/10/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	7/6/2017		7/11/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	7/6/2017		7/11/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:30	7/11/2017		7/13/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:30	7/11/2017		7/14/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:30	7/11/2017		7/17/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	18:10	10/23/2017		10/25/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	18:10	10/23/2017		10/26/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	18:10	10/23/2017		10/30/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:40	11/6/2017		11/8/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:40	11/6/2017		11/9/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:00	1/12/2018		1/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:00	1/12/2018		1/16/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:00	1/12/2018		1/18/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:10	2/7/2018		2/9/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:10	2/7/2018		2/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	12:10	2/7/2018		2/14/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:10	2/7/2018		2/15/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:50	2/16/2018		2/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:50	2/16/2018		2/21/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:50	2/16/2018		2/22/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:15	3/20/2018		3/22/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:15	3/20/2018		3/23/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:15	3/20/2018		3/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:20	3/28/2018		3/29/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:20	3/28/2018		4/2/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:30	4/24/2018		4/26/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:30	4/24/2018		5/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:30	5/31/2018		6/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:30	5/31/2018		6/5/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:30	5/31/2018		6/6/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	15:20	6/11/2018		6/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	15:20	6/11/2018		6/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	15:20	6/11/2018		6/19/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	15:20	6/11/2018		6/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	16:10	7/31/2018		8/3/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	16:10	7/31/2018		8/5/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	16:10	7/31/2018		8/7/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:20	8/21/2018		8/23/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:20	8/21/2018		8/24/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:20	8/21/2018		8/25/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:20	8/21/2018		8/28/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:20	8/21/2018		8/29/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	9/10/2018		9/12/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	9/10/2018		9/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	9/10/2018		9/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	9/10/2018		9/19/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:10	9/17/2018		9/21/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:10	9/17/2018		9/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:30	11/9/2018		11/11/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:30	11/9/2018		11/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:30	11/9/2018		11/14/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	12/21/2018		12/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	12/21/2018		12/28/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	13:00	12/21/2018		12/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	12/21/2018		12/31/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	12/21/2018		1/1/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	12/21/2018		1/2/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	1/24/2019		1/25/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	1/24/2019		1/26/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	1/24/2019		1/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:00	1/24/2019		1/29/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/6/2019		2/8/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/6/2019		2/9/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/6/2019		2/11/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:20	2/6/2019		2/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:20	2/11/2019		2/14/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	13:20	2/11/2019		2/15/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:50	3/25/2019		3/26/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:50	3/25/2019		3/27/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:50	3/25/2019		3/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:00	4/26/2019		4/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:00	4/26/2019		4/30/2019		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	10:00	4/26/2019		5/1/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	10:00	4/26/2019		5/2/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	16:25	6/10/2019		6/12/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	16:25	6/10/2019		6/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	16:25	6/10/2019		6/17/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	16:25	6/10/2019		6/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:50	8/7/2019		8/8/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:50	8/7/2019		8/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:50	8/7/2019		8/14/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	10/7/2019		10/9/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	10/7/2019		10/10/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:30	10/7/2019		10/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:15	11/7/2019		11/12/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:15	11/7/2019		11/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:15	11/7/2019		11/14/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	14:15	11/7/2019		11/15/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:50	12/17/2019		12/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:50	12/17/2019		12/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	8:50	12/17/2019		12/24/2019		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	12:30	1/24/2020		1/24/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:30	1/24/2020		1/28/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	12:30	1/24/2020		2/4/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:20	2/13/2020		2/13/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:20	2/13/2020		2/14/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:20	2/13/2020		2/18/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:20	2/13/2020		2/21/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:20	2/13/2020		2/27/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:20	3/19/2020		3/19/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:20	3/19/2020		3/20/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:20	3/19/2020		3/23/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	9:20	3/19/2020		3/26/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	4/9/2020		4/10/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	4/9/2020		4/13/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	4/9/2020		4/14/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	4/9/2020		4/15/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	4/9/2020		4/16/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	4/9/2020		4/20/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 004	11:00	4/9/2020		4/21/2020		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 004	10:20	2/3/2016		2/24/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	10:10	3/25/2016		3/31/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	11:30	4/12/2016		4/20/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	13:00	6/23/2016		7/7/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	11:00	7/28/2016		8/19/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	11:00	10/21/2016		10/28/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	14:30	11/30/2016		12/22/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	12:20	12/6/2016		12/22/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	13:40	1/3/2017		1/11/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	10:45	2/7/2017		2/17/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	12:45	2/28/2017		3/6/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	17:25	3/7/2017		3/14/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	10:50	3/31/2017		4/5/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	12:15	6/13/2017		6/22/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	7:45	6/19/2017		7/13/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 004	14:30	7/6/2017		7/12/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	9:30	7/11/2017		7/27/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	18:10	10/23/2017		11/11/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	13:40	11/6/2017		11/15/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	12:00	1/12/2018		1/22/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	12:10	2/7/2018		2/20/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	8:50	2/16/2018		3/5/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	9:15	3/20/2018		3/28/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	11:20	3/28/2018		4/11/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	12:30	4/24/2018		5/17/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	8:30	5/31/2018		6/15/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	15:20	6/11/2018		7/11/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	16:10	7/31/2018		8/15/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	13:20	8/21/2018		8/31/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	10:20	9/10/2018		9/20/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 004	12:10	9/17/2018		9/28/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	11:30	11/9/2018		11/14/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	13:00	12/21/2018		12/27/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	13:00	1/24/2019		1/31/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	10:20	2/6/2019		2/13/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	13:20	2/11/2019		2/24/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	14:50	3/25/2019		3/29/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	10:00	4/26/2019		5/9/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	16:25	6/10/2019		6/27/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	9:50	8/7/2019		8/15/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	14:30	10/7/2019		10/19/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	14:15	11/7/2019		11/14/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	8:50	12/17/2019		12/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	12:30	1/24/2020		1/31/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	11:20	2/13/2020		2/20/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 004	9:20	3/19/2020		3/27/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 004	11:00	4/9/2020		4/15/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:30	1/27/2016		1/28/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	1/27/2016		1/29/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	1/27/2016		2/1/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	1/27/2016		2/2/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	2/8/2016		2/9/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	2/8/2016		2/10/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	2/8/2016		2/12/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	2/8/2016		2/15/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/2/2016		3/2/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/2/2016		3/3/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/2/2016		3/7/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/2/2016		3/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/2/2016		3/9/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:40	4/12/2016		4/13/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:40	4/12/2016		4/14/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:40	4/12/2016		4/15/2016		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	9:40	4/12/2016		4/18/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:40	4/12/2016		4/19/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:40	4/12/2016		4/20/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:40	4/12/2016		4/27/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	5/10/2016		5/11/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	5/10/2016		5/12/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	5/10/2016		5/13/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	5/10/2016		5/16/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	5/10/2016		5/17/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:30	5/10/2016		5/18/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/2/2016		6/3/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/2/2016		6/6/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/2/2016		6/7/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/2/2016		6/9/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	7/12/2016		7/12/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	7/12/2016		7/13/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	7/12/2016		7/14/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	7/12/2016		7/19/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	7/12/2016		7/20/2016		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	12:00	7/12/2016		7/21/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	14:00	8/16/2016		8/17/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	14:00	8/16/2016		8/18/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	14:00	8/16/2016		8/19/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	14:00	8/16/2016		8/22/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	14:00	8/16/2016		8/25/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:20	9/14/2016		9/14/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:20	9/14/2016		9/15/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:20	9/14/2016		9/16/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:20	9/14/2016		9/19/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:20	9/14/2016		9/20/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:20	9/14/2016		9/21/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:20	10/27/2016		10/28/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:20	10/27/2016		10/31/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:20	10/27/2016		11/1/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:20	10/27/2016		11/2/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:20	10/27/2016		11/3/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	8:00	11/17/2016		11/18/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	8:00	11/17/2016		11/21/2016		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	8:00	11/17/2016		11/23/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	12/7/2016		12/8/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	12/7/2016		12/9/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	12/7/2016		12/13/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	12/7/2016		12/15/2016		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	1/19/2017		1/20/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	1/19/2017		1/21/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	1/19/2017		1/23/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	1/19/2017		1/24/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:15	1/19/2017		1/25/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	2/21/2017		2/21/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	2/21/2017		2/22/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	2/21/2017		2/23/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	2/21/2017		2/24/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	3/13/2017		3/15/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	3/13/2017		3/16/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	3/13/2017		3/17/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	3/13/2017		3/22/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/13/2017		4/13/2017		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	13:15	4/13/2017		4/14/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/13/2017		4/17/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/13/2017		4/19/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	5/30/2017		5/31/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	5/30/2017		6/1/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	5/30/2017		6/5/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	5/30/2017		6/6/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	6/26/2017		6/27/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	6/26/2017		6/28/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	6/26/2017		6/30/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	6/26/2017		7/3/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	6/26/2017		7/5/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	7/11/2017		7/12/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	7/11/2017		7/13/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	7/11/2017		7/14/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	7/11/2017		7/17/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	8/2/2017		8/3/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	8/2/2017		8/4/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	8/2/2017		8/7/2017		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	13:15	8/2/2017		8/8/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	11/8/2017		11/9/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	11/8/2017		11/10/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	11/8/2017		11/13/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	11/8/2017		11/14/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	11/8/2017		11/15/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:45	12/20/2017		12/21/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:45	12/20/2017		12/22/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:45	12/20/2017		12/27/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:45	12/20/2017		12/28/2017		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:45	1/30/2018		1/31/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:45	1/30/2018		2/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:45	1/30/2018		2/5/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:45	1/30/2018		2/6/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	2/23/2018		2/23/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	2/23/2018		2/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	2/23/2018		2/28/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	2/23/2018		3/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	2/23/2018		3/2/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	12:15	3/14/2018		3/14/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/14/2018		3/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/14/2018		3/16/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/14/2018		3/19/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:15	3/14/2018		3/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:10	4/18/2018		4/19/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:10	4/18/2018		4/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:10	4/18/2018		4/21/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:10	4/18/2018		4/23/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:10	4/18/2018		4/24/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	5/10/2018		5/11/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	5/10/2018		5/14/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	5/10/2018		5/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	5/10/2018		5/16/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	5/10/2018		5/17/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/13/2018		6/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/13/2018		6/14/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/13/2018		6/15/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	6/13/2018		6/18/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	13:20	6/13/2018		6/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	7/5/2018		7/6/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	7/5/2018		7/9/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	7/5/2018		7/10/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:20	7/5/2018		7/12/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	8/29/2018		8/29/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	8/29/2018		8/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	8/29/2018		8/31/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	8/29/2018		9/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	8/29/2018		9/5/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	8/29/2018		9/7/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:00	8/29/2018		9/10/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:15	9/10/2018		9/12/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:15	9/10/2018		9/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:15	9/10/2018		9/19/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:15	9/10/2018		9/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	9/12/2018		9/13/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	9/12/2018		9/14/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	9/12/2018		9/17/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	12:30	9/12/2018		9/18/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:30	9/19/2018		9/20/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:30	9/19/2018		9/24/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:30	9/19/2018		9/25/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:30	9/19/2018		9/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:30	9/19/2018		9/28/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:30	9/19/2018		10/3/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	15:30	9/19/2018		10/5/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	9/26/2018		9/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	9/26/2018		10/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	9/26/2018		10/2/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	9/26/2018		10/3/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	9/26/2018		10/4/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	9/26/2018		10/17/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:45	10/17/2018		10/18/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:45	10/17/2018		10/19/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:45	10/17/2018		10/23/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:45	10/17/2018		10/24/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:45	10/17/2018		10/26/2018		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	7:45	10/17/2018		10/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:45	10/17/2018		11/1/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:10	11/28/2018		11/29/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:10	11/28/2018		11/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:10	11/28/2018		12/3/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:10	11/28/2018		12/6/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:10	11/28/2018		12/7/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	12/19/2018		12/21/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	12/19/2018		12/26/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	12/19/2018		12/27/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	12/19/2018		12/28/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	12/19/2018		12/30/2018		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/23/2019		1/24/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/23/2019		1/25/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/23/2019		1/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/23/2019		1/30/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	2/25/2019		2/26/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	2/25/2019		2/27/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	2/25/2019		2/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	13:15	2/25/2019		3/1/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	2/25/2019		3/4/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	3/13/2019		3/14/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	3/13/2019		3/15/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	3/13/2019		3/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:45	3/13/2019		3/20/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:00	4/11/2019		4/12/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:00	4/11/2019		4/15/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:00	4/11/2019		4/17/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:00	4/11/2019		4/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:00	4/11/2019		4/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:00	4/11/2019		4/22/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/11/2019		7/31/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/11/2019		8/1/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/11/2019		8/6/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/11/2019		8/8/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:15	4/11/2019		8/12/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	5/20/2019		5/22/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	5/20/2019		5/22/2019		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	11:50	5/20/2019		5/23/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	5/20/2019		5/24/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	5/20/2019		5/28/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:50	5/20/2019		5/29/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:50	6/11/2019		6/12/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:50	6/11/2019		6/13/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:50	6/11/2019		6/17/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:50	6/11/2019		6/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	9:50	6/11/2019		6/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:30	8/14/2019		8/15/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:30	8/14/2019		8/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:30	8/14/2019		8/20/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:30	8/14/2019		8/21/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:45	9/26/2019		9/27/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:45	9/26/2019		9/30/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:45	9/26/2019		10/1/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:45	9/26/2019		10/2/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:45	9/26/2019		10/3/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:45	9/26/2019		10/4/2019		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	11:45	9/26/2019		10/8/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	10/16/2019		10/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	10/16/2019		10/21/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	10/16/2019		10/23/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	10/16/2019		10/24/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	10/16/2019		10/25/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:15	11/20/2019		11/20/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:15	11/20/2019		11/21/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:15	11/20/2019		11/22/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:15	11/20/2019		11/26/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:15	11/20/2019		11/27/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	7:15	11/20/2019		12/3/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	12/17/2019		12/18/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	12/17/2019		12/19/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	12/17/2019		12/23/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	12/17/2019		12/24/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	12/17/2019		12/27/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	12/17/2019		12/30/2019		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	13:20	12/17/2019		1/3/2020		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	11:00	1/28/2020		1/28/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/28/2020		1/29/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/28/2020		1/30/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/28/2020		1/31/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/28/2020		2/3/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	1/28/2020		2/6/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	2/20/2020		2/20/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	2/20/2020		2/21/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	2/20/2020		2/25/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	2/20/2020		2/26/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	2/20/2020		2/28/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	11:00	2/20/2020		3/5/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	3/25/2020		3/26/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	3/25/2020		3/27/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	3/25/2020		3/30/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	3/25/2020		4/1/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:00	3/25/2020		4/3/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/2/2020		4/2/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/2/2020		4/3/2020		Microbac 158 Starlite Dr. Marietta, OH 45750

Outlet 006	10:30	4/2/2020		4/6/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/2/2020		4/7/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/17/2020		4/17/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/17/2020		4/20/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/17/2020		4/22/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/17/2020		4/23/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	10:30	4/17/2020		4/28/2020		Microbac 158 Starlite Dr. Marietta, OH 45750
Outlet 006	12:30	1/27/2016		2/3/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:30	2/8/2016		2/25/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:15	3/2/2016		3/11/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	9:40	4/12/2016		4/20/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:30	5/10/2016		5/17/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:20	6/2/2016		6/15/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:00	7/12/2016		7/27/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	14:00	8/16/2016		9/1/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:20	9/14/2016		9/21/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 006	15:20	10/27/2016		11/11/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	8:00	11/17/2016		11/26/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	10:15	12/7/2016		12/21/2016		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	10:15	1/19/2017		1/26/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:00	2/21/2017		2/28/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:15	3/28/2017		4/4/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:15	4/13/2017		4/18/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:20	5/30/2017		6/13/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:30	6/26/2017		7/13/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:00	7/11/2017		7/27/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:15	8/2/2017		8/14/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	10:30	11/8/2017		11/20/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:30	12/20/2017		12/28/2017		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:45	1/30/2018		2/2/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:45	1/30/2018		3/20/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 006	12:15	2/23/2018		3/8/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:15	3/14/2018		3/27/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:10	4/18/2018		5/2/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	10:20	5/10/2018		5/26/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:20	6/13/2018		6/21/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:00	7/5/2018		7/18/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:00	8/29/2018		9/11/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	15:15	9/10/2018		9/20/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:30	9/12/2018		9/20/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	15:30	9/19/2018		10/1/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:45	9/26/2018		10/1/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	7:45	10/17/2018		11/6/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	7:45	10/17/2018		11/7/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:10	11/28/2018		12/7/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:00	12/19/2018		12/27/2018		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 006	11:00	1/23/2019		1/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:15	2/25/2019		3/4/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:45	3/13/2019		3/22/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:00	4/11/2019		4/18/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:50	5/20/2019		6/4/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	9:50	6/11/2019		6/26/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:15	7/30/2019		8/5/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:30	8/14/2019		8/19/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:45	9/26/2019		10/3/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	10:00	10/16/2019		10/23/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	7:15	11/20/2019		12/5/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	13:20	12/17/2019		12/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	12:30	12/18/2019		12/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	15:30	12/19/2019		12/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	6:00	12/20/2019		12/30/2019		Test America Denver 4955 Yarrow St. Arvada, CO 80002

Outlet 006	12:10	12/23/2019		1/6/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:00	1/28/2020		2/3/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	11:00	2/20/2020		3/3/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	10:00	3/25/2020		4/1/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002
Outlet 006	10:30	4/17/2020		4/24/2020		Test America Denver 4955 Yarrow St. Arvada, CO 80002

J. Has the laboratory in Item XX-I received any required certification to perform the waste analysis associated with this application?
 Yes (complete Item XX-K) No (go to Item XX-L)

K. Provide the name and address of certifying agency.
 WVDEP-DWWM
 601 57th Street SE

L. Has any Performance Audit Inspection (PAI) been performed at the laboratory listed in Item XX-I?
 Yes (complete Item XX-M) No (go to Item XXI)

M. Provide the name and address of the agency conducting the audit and the date of the most recent audit performed.
 Audits were performed at the following labs by:
 WVDEP-DWWM
 601 57th Street SE
 Charleston, WV 25304
 Microbac (Ohio Valley) - 3/3/2020 - 03/05/2020
 Test America (Denver) - 07/19/2019 - 07/31/2019

Section XXI: Sludge Disposal

Does or will your facility generate sludges, other solid wastes, or other pollutants for disposal?
 Yes (complete A and B below) No (go to XXII)

A. Describe method of disposal (landfill, incineration, other)

B. Submit name, location, Agency issuing permit for landfill and attach letter of acceptance of wastes from disposal operator if other than "on-site".

Section XXI Waste: Industrial Solid Waste Disposal Facility

A. Is this application being submitted to obtain a permit to operate and/or monitor an Industrial Solid Waste Disposal Facility?
 Yes No
 Please complete and attach the Application Requirements for a Class F Industrial Solid Waste Facility document.

Section XXII: Operation and Maintenance

A. Has a Best Management Practice (BMP) plan been developed for your facility?
 Yes No

B. Specify a plan of maintenance for each treatment unit described in Item XIV-B.
 Or, attach a document Paper Electronic

1. Outlet Number	2. Treatment Unit	3. Plan of Maintenance
<input type="text"/>	<input type="text"/>	<input type="text"/>

C. Describe means of coping with inplant spills and upsets and practices to be employed during idle periods caused by power failures, repairs, etc. in the treatment units.

D. Describe provisions for coping with spills at barge, rail or truck loading and unloading facilities.

Form: Statement For Billing, Class II

The , of which I am an
 name of company or facility
 authorized representative, has applied for a West Virginia National Pollutant Discharge Elimination System permit from the West Virginia Department of Environmental Protection, Division of Water Resources. Under the West Virginia Legislative Rules, Title 33, Series I, Section 3.21.3.b, the costs of publishing a Class II legal advertisement are to be paid by the applicant who must also send the certificate of publication to the Division of Water Resources within twenty (20) days after publication.

The , hereby agrees to pay
 name of company or facility
 the cost of such legal advertisement. The publishing newspaper should send the certificate of publication and bill to, company or facility name and address:

Name:

Line 1:

Line 2:

Country: ▾

City:

State: ▾

Zip:

(###-###-####)
 authorized representative area code phone number

 Signature of Authorized Representative

Sworn and subscribed to before
 me this _____ day of _____,
 _____, 20____.

 Notary Public

 Commission Expires