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Environmental Quality Board

BEFORE THE WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD

MONONGAHELA POWER COMPANY,

Appellant,

v.

Appeal No.: 25-04-EQB

JEREMY W. BANDY DIRECTOR,
DIVISION OF WATER AND WASTE MANAGEMENT,
WEST VIRGINIA DEPARTMENT OF
ENVIRONMENTAL PROTECTION,

Appellee.

NOTICE OF APPEAL

TO THE ENVIRONMENTAL QUALITY BOARD:

Appellant Monongahela Power Company ("MonPower") respectfully represents that it is aggrieved by the issuance by the Director of the Division of Water and Waste Management, West Virginia Department of Environmental Protection ("DEP"), of West Virginia Solid Waste/NPDES Permit No. WV0075795 (the "Permit") for the Harrison Power Station coal combustion by-products landfill located in Harrison County, West Virginia ("Facility") issued on February 19, 2025. A copy of the Permit is included as Exhibit A. MonPower is aggrieved by the following terms and conditions of the Permit:

1. The Permit establishes effluent limits for aluminum and iron at Outlet 012 and effluent limits for iron at Outlets 013, 014, and 015 that become effective at the conclusion of a 36-month compliance schedule. These outlets discharge stormwater and groundwater that originates from areas that are not part of the Facility's operations. The Facility's operations are not the source of aluminum and iron contained in the stormwater discharges.
2. Such other and related language and conditions that are arbitrary and capricious, contrary to law, and duplicate or further compound the error identified above.

MonPower therefore prays that this matter be reviewed, and that the Permit be modified in accordance with the relief requested below.

Respectfully submitted,

Monongahela Power Company
By counsel

Date Filed: March 20, 2025
Method of Filing: Hand-Delivery and Email

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Counsel for Appellant

A. PERMIT FROM WHICH APPEAL IS BEING TAKEN.

MonPower hereby appeals certain conditions set forth in West Virginia Solid Waste/NPDES Permit No. WV0075795 (the "Permit") for the Harrison Power Station coal combustion by-products landfill located in Harrison County, West Virginia ("Facility") issued on February 19, 2025.

B. NATURE & GROUNDS OF APPELLANT'S CLAIMS

The Permit governs both surface water and groundwater discharges and monitoring associated with the following components of the Facility: (1) disposal area for coal combustion by-products ("Disposal Area"); (2) stormwater and leachate collection system and associated Surface Impoundment No. 1 and wetland treatment system for the Disposal Area that discharge into the West Fork River at Outlet 008; (3) treatment system for stormwater discharges from the Disposal Area that discharge into Robinson Run at Outlet 018; (4) collection system for untreated stormwater runoff and surface expressions of groundwater that flow through a culvert under a haul road and discharge into the West Fork River at Outlets 012, 013, 014, and 015 ("Haul Road Outlets"); and (5) collection and treatment system for the discharge of treated stormwater runoff that discharges into an unnamed tributary of Robinson Run at Outlets 022 and 023.[1]

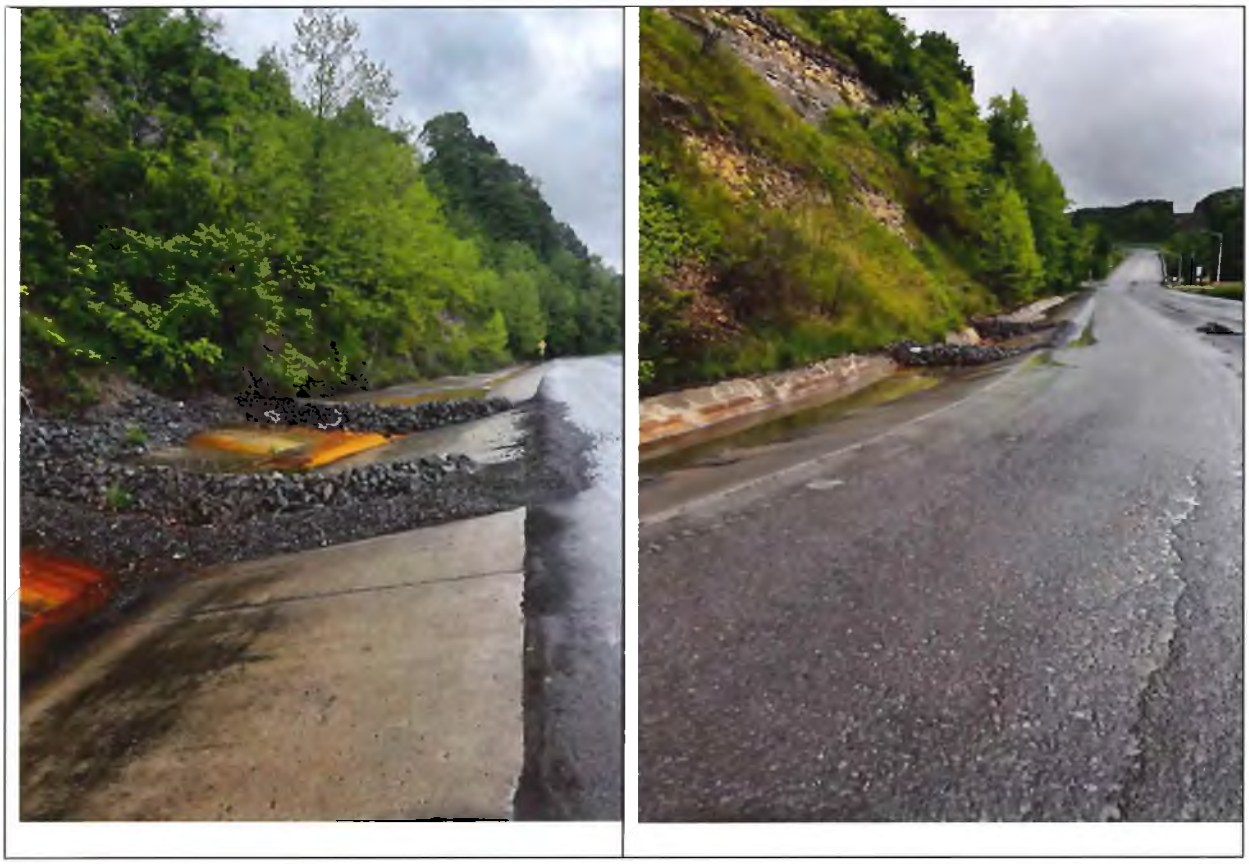
This appeal involves only one of those components: the Haul Road Outlets. Those outlets discharge groundwater and stormwater that pass through culverts underneath the paved haul road leading from the electricity generating units at the Harrison Power Station to the disturbed area of the landfill where coal combustion by-products are placed. The water originates in an area that is not part of the Facility's operations. The Haul Road Outlets are many thousands of feet away from

[1] See Permit at pg. 1.

the disturbed area of the landfill and are in completely separate drainage basins (see aerial image below):

The drainage basin for the Haul Road Outlets is separated from the drainage basin for the active landfill by a public road, County Route 3, and a stream known as Robinson Run. It would literally be impossible for stormwater drainage from the active landfill area to reach any of the four outlets via gravity flow. That is because any stormwater drainage flowing south from the active landfill area would flow into Robinson Run before reaching the Haul Road Outlets. Moreover, stormwater drainage from the active landfill area would have to flow uphill out of Robinson Run to reach the four outlets.

Prior versions of the Permit recognize that these outlets receive flow from stormwater inlets along the haulroad, which channel the flow into culverts underlying the haulroad (see images below).



Although the 2016 version of the Permit describes the discharge as stormwater, that version of the Permit required sample collection to take place during dry-weather conditions. In fact, the 2016 version of the Permit specifically prohibited the permittee from collecting samples during precipitation events or periods of snow-melt. Rather, the 2016 version of the Permit instructs that "Outlet Numbers 012, 013, 014, and 015 shall be sampled a minimum of 24 hours following a rainfall event and [samples] shall not be obtained when runoff from snow melt is occurring."[2] This condition has appeared in the Permit since the version issued on July 7, 2006 (until now). By contrast, the current version of the Permit at issue changes the sampling conditions to require

[2] 2016 Version of the Permit at p. 93, Condition C.6.

collection during wet weather conditions – i.e. within the first 30 minutes of a precipitation event or as soon thereafter as practically possible.[3]

As shown in the aerial image above, *there is no industrial activity taking place in the areas up-gradient of the four outlets*. There is, however, a relatively consistent flow of groundwater that emerges from the hillside and flows down to the four outlets. These groundwater expressions have been the sources of the water samples collected by MonPower over the years. This groundwater exhibits characteristics consistent with acid-mine drainage – having an orange/rusty appearance and staining on the rock face above the paved road leading from the power station (see images above and below):

[3] Permit p. 93, Condition C.4.a.

The poor quality of the groundwater that flows into these outlets is because its source is the abandoned underground mine works located above the road, which were created many years ago by operators unaffiliated with MonPower. As set forth in a report submitted to WVDEP by MonPower affiliate Allegheny Energy Supply dated November 27, 2002, multiple mined-out sections of the Pittsburgh coal seam underlie the location of the landfill and surrounding areas. The mined-out sections in this area are "above drainage" – meaning that their elevation is higher than the surface streams, such as Robinson Run and the West Fork River. The mined-out sections are partially or completely flooded with water, and are separated by various blocks of coal left in place (known as barrier pillars), which form separate "pools" in each mined-out section. Barrier pillars are not water-tight, however. Like most other geologic formations, groundwater can and does flow through the barrier pillars. Although the hydrogeology is quite complex, generally speaking, the elevation of the mine pools periodically rises and falls, and can result in mine pool water reaching the surface under various conditions. Water in Pittsburgh seam mine pools generally exhibits concentrations of iron in excess of water quality standards applicable to surface

waters.[4] Water with elevated iron concentrations will have an orange or rusty appearance at the surface due to oxidation of the iron.

As shown in the images above, the Haul Road Outlets are directly below areas where mine pool water reaches the surface, as evidenced by the orange/rusty appearance of the water and staining on the rock face above the paved road leading from the power station. Especially during dry-weather conditions, MonPower's use of the paved haulroad to transport material to the landfill could not reasonably contribute to iron and/or aluminum concentrations in the water that flows into those outlets. At best, the haulroad could only conceivably contribute iron and/or aluminum through stormwater runoff from the road surface created by precipitation events.

These surface expressions of groundwater, which likely originate from one or more of the mine pools underlying the general vicinity of the landfill and power station, are not the result of any activity undertaken by MonPower. More importantly, MonPower does not engage in any activities at these locations that adds iron or aluminum to the water that emerges from the ground or falls as precipitation. MonPower merely routes that water through culverts underneath the paved road.

Both the West Virgina Legislature and the Environmental Quality Board ("EQB") have recognized that a WV/NDPDES permittee should not be held responsible for pollutants already present in intake water. West Virigina Code § 22-11-6(b) states as follows: "The secretary may issue water pollution control permits that contain water quality-based effluent limits that are adjusted to reflect credit for pollutants in the permittee's intake water (net limits)." DEP has not published any regulations implementing this statutory provision since it was adopted by the

[4] See "Final Report Fairmont, West Virginia MinePool" prepared by the United States Office of Surface Mining, Technical Support Division, Pittsburgh, PA dated March, 2014 at p. 36.

Legislature in 2018.[5] MonPower is unaware of any guidance published by the agency addressing implementation of this statute. Notwithstanding the absence of a regulation or guidance, the application of this provision is straightforward. When calculating water quality-based effluent limits, a permittee should receive credit for the concentrations of pollutants already in the intake water.

Even before 2018, the EQB ruled that DEP should set WV/NPDES permit conditions that take into account the presence of pollutants in intake water. In *Mountain State Carbon*,[6] the EQB vacated effluent limits for fecal coliform added to outlets at an industrial facility that primarily discharged cooling water originally withdrawn from the Ohio River. The permittee demonstrated that the fecal coliform was already present in the Ohio River water, and that the nature of the permittee's operations could not contribute additional fecal coliform to the water prior to discharge. Consequently, the EQB ruled that permittee should not be responsible for removing the fecal coliform, and thus including fecal coliform effluent limits in the permit was inappropriate:

> The Board finds Appellant's position convincing. The Board does not believe there is sufficient evidence that Appellant's operations are causing elevated fecal coliform concentrations. **The Board further finds that the Ohio River contains high fecal coliform counts upstream of Appellant's facility and it should not be responsible for treating pollutants caused by another entity.** Thus, the Board ORDERS that, in the current permit, Appellant should not be subjected to the fecal coliform limits at Outlets 004 and 006.[7]

The Haul Road Outlets perfectly fit the circumstances governed by West Virginia Code § 22-11-6(b) and *Mountain State Carbon*. The groundwater flows that enter the intake points along the haulroad already contain elevated levels of pollutants. This is definitively established by the

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[5] W. Va. C.S.R. § 47-10-7.7 governs adjustments to technology-based effluent limits based on pollutants present in intake water. This regulation does not apply here because the effluent limits proposed in the draft permit are water quality-based effluent limits. Additionally, this regulation pre-dates the 2018 statutory amendment, and thus could not be considered an "implementing" regulation for the statutory amendment.

[6] *Mountain State Carbon, Inc. v. Mandirola*, Appeal No. 13-25-EQB (final order dated June 13, 2016).

[7] *Mountain State Carbon, Inc. v. Mandirola*, Appeal No. 13-25-EQB at *3 (final order dated June 13, 2016) (emphasis added) (copy enclosed)

dry-weather sample results that MonPower has been submitting to the agency over the years. In dry-weather conditions, stormwater runoff from the haulroad surface would not be contributing to the volume or quality of the groundwater flows. Moreover, there is no indication that stormwater discharges from the haulroad have reasonable potential to cause or contribute to an exceedance of the water quality standards for iron or aluminum.

Notwithstanding all of the above, the Permit requires MonPower to achieve compliance with effluent limits for aluminum and iron at Outlet 012 and effluent limits for iron at Outlets 013, 014, and 015 that become effective at the conclusion of a 36-month compliance schedule. Those effluent limits do not credit the concentrations of aluminum or iron that is already in the water that reaches the Haul Road Outlets.

C. QUESTIONS OF FACT

1. What is the source of the iron and aluminum concentrations present in the stormwater and groundwater that flows through the Haul Road Outlets?

2. Can discharges from the disturbed area of the landfill reach the Haul Road Outlets by virtue of gravity flow?

3. Does MonPower engage in any industrial activity in the area upgradient of the culverts that channel stormwater and/or groundwater to the Haul Road Outlets?

4. Does MonPower add any meaningful amount of pollutants to the water flowing through the Haul Road Outlets that would justify imposition of effluent limits?

5. Does the Permit establish a reasonable schedule to achieve compliance with effluent limits for aluminum and/or iron at the Haul Road Outlets?

6. Such other and further questions of fact as may be raised by the administrative record, discovery, and evidence developed during this appeal.

D. QUESTIONS OF LAW

1. Are the Haul Road Outlets subject to regulations that govern discharges from sediment control structures located within the disturbed area of a landfill (W. Va. C.S.R. § 33-1-4.5 and 40 C.F.R. § 257.81)?

2. Does piping that merely conveys or routes groundwater or surface water runoff, without the addition of any pollutants, qualify for regulation as a "point source" under the federal Clean Water Act or the West Virginia Water Pollution Control Act?

3. Is MonPower responsible for the addition of any pollutants to the water flowing through the Haul Road Outlets within the meaning of the federal Clean Water Act or the West Virginia Water Pollution Control Act?

4. Should MonPower be held responsible for concentrations of iron and aluminum already present in the water that reaches and flows through the Haul Road Outlets?

5. When calculating effluent limits, if any, for aluminum and/or iron at the Haul Road Outlets, should MonPower receive credit for the concentrations of pollutants already in the water when it reaches the Haul Road Outlets?

6. Are reported exceedances of stormwater benchmark values for iron and/or aluminum a valid basis to impose numeric effluent limits at the Haul Road Outlets?

7. Should effluent limits for aluminum and/or iron apply to the Haul Road Outlets?

8. Such other and further questions of law as may be raised by discovery and evidence introduced at hearing.

E. REQUEST FOR RELIEF

MonPower asks that the Board review the Permit, the Certified Record, and evidence to be presented, and enter an Order:

1. modifying the Permit by removing from Part A the effluent limits for aluminum and iron at Outlet 012 and the effluent limits for iron at Outlets 013, 014, and 015 that become effective at the conclusion of a 36-month compliance schedule;

2. modifying Part B of the Permit by removing any obligation to undertake or report actions taken (or to be taken) toward achieving compliance with effluent limits for aluminum and iron at Outlet 012 and the effluent limits for iron at Outlets 013, 014, and 015, and by removing the obligations to construct necessary upgrades or system modifications and to comply with the effluent limits for aluminum and iron at Outlet 012 and the effluent limits for iron at Outlets 013, 014, and 015; and

3. granting such other and further relief as may be shown to be proper.

Respectfully submitted,

Monongahela Power Company
By counsel

Date Filed: March 20, 2025
Method of Filing: Hand-Delivery and Email

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BEFORE THE WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD

MONONGAHELA POWER COMPANY,

Appellant,

v.

Appeal No.: 25-04-EQB

JEREMY W. BANDY DIRECTOR,
DIVISION OF WATER AND WASTE MANAGEMENT,
WEST VIRGINIA DEPARTMENT OF
ENVIRONMENTAL PROTECTION,

Appellee.

CERTIFICATE OF SERVICE

I, Robert M. Stonestreet, counsel for Appellant Monongahela Power Company, do hereby certify that a copy of the foregoing ***Notice of Appeal*** has been served upon the Appellee this 20th day of March, 2025, via e-mail and 1st-Class U.S. mail, to the following:

Jonathan C. Frame, Esq.
Charles Scott Driver, Esq.
Office of Legal Services
West Virginia Department of Environmental Protection
601 57th Street, S.E.
Charleston, West Virginia 25304
Jonathan.C.Frame@wv.gov
Charles.S.Driver@wv.gov

Robert M. Stonestreet (W.Va. Bar No. 9370)

EXHIBIT 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

February 19, 2025

ENVIRONMENTAL GROUP
MONONGAHELA POWER COMPANY
341 WHITE POND DRIVE
AKRON, OH 44320-0000

CERTIFIED RETURN RECEIPT REQUESTED

Dear Permittee:

Enclosed please find Solid Waste/NPDES Permit Number WV0075795 dated February 19, 2025.

Monongahela Power Company's comments were received by letter dated January 29, 2025. The following is the agency's response to these comments regarding the draft permit that went to public notice on December 20, 2024.

Comment No. 1 : Cover Page and Fact Sheet

The cover page typographical errors have been corrected. An amended fact sheet has been issued with the final permit.

Comment No. 2 : Surface Water Issues

The agency believes the imposed mixing zone and effluent limitations are appropriate.

The compliance determination for acute toxicity (i.e. must be > than 1.0 TUa) is addressed in Section C.25 in the draft permit.

The typographical error in the compliance schedule for boron has been corrected.

The mismatched compliance schedule lengths for iron and aluminum at in Sections A.012, 013, 014, and 015 and Section B has been corrected. Do note that MonPower's statement concerning the agency's recognition of the source of the iron and aluminum is incorrect. The agency at no point has indicated agreement with the source of iron and aluminum in these outlets. MonPower has only submitted anecdotal evidence in the past of the source of iron and aluminum at which a conclusion by the agency would be premature. Regardless, MonPower is discharging iron and aluminum from these point source discharges above a water quality criteria and the compliance schedule in Section B of the permit is imposed to compel compliance.

The monitoring for Outlet 022 was imposed in the previous draft permit dated 03/27/2024. No change at this outlet has been made between the prior draft and this draft of the permit. The agency believes the monitoring is appropriate.

Comment No. 3 : Groundwater Issues

The agency believes the ACM requirements for arsenic and lithium are appropriate.

If the permittee believes that Assessment of Corrective Measures is complete and it has added the ACM to the Operating Record then they have satisfied that part of the compliance schedule and can proceed to a public hearing and selection of remedy. Compliance schedule dates in Section B are "on or before" so if the permittee completes the item before the deadline then it is considered satisfied on that date. That said, the agency is not aware of the permittee identifying the time required to start the selected remedy and to end the selected remedy which is required by 40 CFR 257.96(c)(2) since the permittee, to the knowledge of the agency, has not held a public hearing and formally selected a remedy.

The statutory time limit for an Alternate Source Demonstration for Lithium has passed per 40 CFR 257.94(d)(2), which is 90 days. That said, if the permittee shows that the lithium contamination 100% originates from a source that is not the landfill, they can account for the additional source in the ACM and remedy selection. As such, the agency believes that the requirements are appropriate and consistent with 40 CFR 257.

The agency believes that Section D.1.i covers the concern in the differences between the federal and state groundwater monitoring rules.

Since MW-23 is outside of the point of compliance, it is not listed in Section D.1 or D.2; however, upon selection of a remedy, the monitoring well may need to be required to assess the effectiveness of the remedy or if concentrations were to exceed groundwater standards be addressed directly in the remedy; therefore, it has been incorporated in Section A of the permit to collect data for future evaluations. Limitations were a result of a typographical error that was not identified in the first draft permit. The error has been corrected in the final permit.

Please note that a Discharge Monitoring Report (DMR) is to be completed and submitted to this Division each month.

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
2031 Pleasant Valley Road
Fairmont, WV 26554

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.

If you have any questions, please contact Christina Facemyer of this Division at (304) 926-0499 at extension 43845, or by email at christina.facemyer@wv.gov.

Sincerely,

Jeremy W. Bandy
Director

JWB:cf

Enclosures

Permit Number: WV0075795

Permittee: MONONGAHELA POWER COMPANY

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.: WV0075795
SUBJECT: Solid Industrial Waste

ISSUE DATE: February 19, 2025
EFFECTIVE DATE : April 01, 2025
EXPIRATION DATE: February 18, 2030
SUPERSEDES: Permit No. WV0075795 dated September 30, 2016

LOCATION:	HAYWOOD	Harrison	West Fork River
	(City)	**(County)**	**(Drainage Basin)**

See the next page for a list of Outlets.

TO WHOM IT MAY CONCERN:

This is to certify that: MONONGAHELA POWER COMPANY
5001 NASA Blvd
FAIRMONT, WV 26101

is hereby granted a West Virginia NPDES Water Pollution Control Permit to:
Construct, operate, and maintain industrial solid waste disposal areas, referenced as the Lower Area, Main Area, and Upper Area, and best management practices in the drainage basin of Pigott's Run, a tributary of Robinson Run, a tributary of the West Fork River, a tributary of the Monongahela River, for the disposal of fly ash, bottom ash, flue gas desulfurization (FGD) material, and miscellaneous wastes (construction/demolition debris, wastewater treatment sludge, and other solid wastes) all of which are generated at the Harrison Power Station. As well as for the disposal of the following wastes generated at the following First Energy Power Stations: 1) fly ash from the Fort Martin and Pleasants Power Stations, and 2) bottom ash from the Fort Martin and Pleasants Power Stations.

Operate and maintain collection and treatment systems (leachate collection system, Surface Impoundment No. 1, constructed wetland treatment system) and best management practices for the direct discharge of treated effluent (stormwater runoff and leachate) into the waters of the West Fork River, a tributary of the Monongahela River (Outlet 008) near river point 19.9.

Operate and maintain a collection and treatment system and best management practices for the disposal of treated effluent (stormwater) from the Main Area and the Upper Area to flow into the waters of Robinson Run, a tributary of the West Fork River, a tributary of the Monongahela River (Outlet 018).

Operate and maintain a collection system and best management practices for the disposal of untreated effluent (stormwater runoff) from the disposal area haul road to flow into the waters of Robinson Run, a tributary of the West Fork River, a tributary of the Monongahela River (Outlet 012), and into the waters of the West Fork River, a tributary of the Monongahela River (Outlets 013, 014, and 015) near river mile point 19.

Operate and maintain a collection and treatment system for the disposal of treated effluent (non-contact stormwater runoff) directly into an unnamed tributary of Robinson Run, a tributary of the West Fork River, a tributary of the Monongahela River (Outlets 022 and 023).

This permit is subject to the following terms and conditions :
The information submitted on and with Permit Application Numbers WV0075795 dated the 26th day of February 1998, the 4th day of March 1998, the 26th day of May 2004, the 28th day of January 2011, the 19th day of February 2016, and the 17th day of March 2021; and the additional information submitted on and with letters, reports, certified designs, and permit modification applications dated the 27th of November 2002, the 19th of February 2003, the 18th of November 2004, the 30th of January 2009, and March 2024 (Phase 7 expansion, revised May 2024) are all hereby made terms and conditions of this Permit with like effect as if all such permit application information were set forth herein and with 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
008	39°23'20"	80°19'22"	WEST FORK RV	N/A	N/A
012	39°23'27"	80°19'21"	ROBINSON RN	N/A	N/A
013	39°23'21"	80°19'23"	WEST FORK RV	N/A	N/A
014	39°23'21"	80°19'35"	WEST FORK RV	N/A	N/A
015	39°23'21"	80°19'41"	WEST FORK RV	N/A	N/A
018	39°23'36"	80°19'29"	ROBINSON RN	N/A	N/A
022	39°23'39"	80°19'17"	Unnamed Tributary Of ROBINSON RN	N/A	N/A
023	39°23'52"	80°20'06"	Unnamed Tributary Of ROBINSON RN -- No Monitoring Required	N/A	N/A
LM01	39°23'55"	80°19'27"	N/A	N/A	N/A
LM02	39°23'55"	80°19'28"	N/A	N/A	N/A
LM03	39°23'55"	80°19'31"	N/A	N/A	N/A
LM04	39°23'55"	80°19'31"	N/A	N/A	N/A
LM05	39°23'00"	80°19'19"	N/A	N/A	N/A
LM06	39°24'00"	80°19'19"	N/A	N/A	N/A
LM07	39°23'54"	80°19'33"	N/A	N/A	N/A
LM08	39°23'54"	80°19'33"	N/A	N/A	N/A
LM09	39°23'54"	80°19'33"	N/A	N/A	N/A
LM10	39°23'54"	80°19'33"	N/A	N/A	N/A
LM11	39°23'35"	80°19'28"	N/A	N/A	N/A
LM12	39°23'35"	80°19'28"	N/A	N/A	N/A
LM13	39°23'47"	80°19'15"	N/A	N/A	N/A
LM14	39°23'47"	80°19'12"	N/A	N/A	N/A
LM15	39°23'45"	80°19'09"	N/A	N/A	N/A
LM16	39°23'45"	80°19'13"	N/A	N/A	N/A
LM17	39°23'44"	80°19'17"	N/A	N/A	N/A
LM18	39°23'42"	80°19'08"	N/A	N/A	N/A
LM19	39°23'42"	80°19'13"	N/A	N/A	N/A
LM20	39°23'42"	80°19'13"	N/A	N/A	N/A
LM21	39°23'41"	80°19'17"	N/A	N/A	N/A

Inspectable Unit	Latitude	Longitude	Receiving Stream	Dist. to Stream Mouth (in Mile)	Milepost
MW05	39°23'27"	80°19'23"	N/A	N/A	N/A
MW17	39°23'56"	80°19'21"	N/A	N/A	N/A
MW18	39°24'03"	80°19'15"	N/A	N/A	N/A
MW19	39°24'21"	80°19'11"	N/A	N/A	N/A
MW20	39°24'28"	80°19'26"	N/A	N/A	N/A
MW23	39°24'15"	80°18'54"	N/A	N/A	N/A

A.008 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 008 (Storm Water Runoff, Process Water)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/month	Estimated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	35 Avg. Monthly	70 Max. Daily	mg/l	1/month	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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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 008, Manhole 1-A. Flow weighted composite sample obtained from the discharges from Cell C of Surface Impoundment No. 1, the constructed wetland treatment system, and the sediment trap located at the southeast side of the haul road bridge

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

A.008 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 008 (Storm Water Runoff, Process Water)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	0.000071 Avg. Monthly	0.00021 Max. Daily	mg/l	1/month	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-A)	N/A	N/A	N/A	N/A	1.1 Avg. Monthly	2.8 Max. Daily	mg/l	1/month	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	16 Avg. Monthly	30 Max. Daily	mg/l	1/quarter	Grab
61425 - (Acute Tox - Ceriodaphnia Dub (Year Round) (ML-1) (RF-D) See Section C.25	N/A	N/A	N/A	N/A	0.28 Avg. Monthly	0.57 Max. Daily	TUa	1/year	8 hr comp
61427 - (Acute Toxicity - Pimephales) (Year Round) (ML-1) (RF-D)	N/A	N/A	N/A	N/A	0.28 Avg. Monthly	0.57 Max. Daily	TUa	1/year	8 hr comp
61426 - (Chronic Tox-Ceriodaphnia Dul (Year Round) (ML-1) (RF-D) See Section C.25	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	TUc	1/year	8 hr comp

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

Outlet 008, Manhole 1-A. Flow weighted composite sample obtained from the discharges from Cell C of Surface Impoundment No. 1, the constructed wetland treatment system, and the sediment trap located at the southeast side of the haul road bridge

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

A.008 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 008 (Storm Water Runoff, Process Water)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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	8 hr comp
01147 - (Selenium, Total (as Se)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
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
01087 - (Vanadium, Total (as V)) (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-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab

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

Outlet 008, Manhole 1-A. Flow weighted composite sample obtained from the discharges from Cell C of Surface Impoundment No. 1, the constructed wetland treatment system, and the sediment trap located at the southeast side of the haul road bridge

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

A.008 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 008 (Storm Water Runoff, Process Water)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01152 - (Total Titanium (as TI))	N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	mg/l	1/quarter	Grab
(Year Round) (ML-1) (RF-B)					Avg. Monthly	Max. Daily			

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

Outlet 008, Manhole 1-A. Flow weighted composite sample obtained from the discharges from Cell C of Surface Impoundment No. 1, the constructed wetland treatment system, and the sediment trap located at the southeast side of the haul road bridge

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

A.012 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 012 (Storm Water Runoff, Other)

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

Effluent Characteristic	Discharge Limitations						Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
00530 - (Total Suspended Solids) (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
00400 - (pH) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/quarter	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-B) Interim: 4/1/2025 to 3/31/2028	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) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.75 Max. Daily	mg/l	1/quarter	Grab
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-B) Interim: 4/1/2025 to 3/31/2028	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) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1.5 Max. Daily	mg/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

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Outlet No. 012, a 30" reinforced concrete pipe which carries effluent from stormwater inlets SI-9, SI-10, and SI-24.

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

A.013 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 013 (Storm Water Runoff, Other)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
00530 - (Total Suspended Solids) (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
00400 - (pH) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	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) Interim: 4/1/2025 to 3/31/2028	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) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1.5 Max. Daily	mg/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

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Outlet No. 013, a 24" reinforced concrete pipe which carries effluent from stormwater inlets SI-7 and SI-8.

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

A.014 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 014 (Storm Water Runoff, Other)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
00530 - (Total Suspended Solids) (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
00400 - (pH) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	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) Interim: 4/1/2025 to 3/31/2028	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) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1.5 Max. Daily	mg/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

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Outlet No. 014, a 30" reinforced concrete pipe discharging effluent from stormwater inlets SI-4, SI-5, and SI-6.

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

A.015 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 015 (Storm Water Runoff, Other)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
00530 - (Total Suspended Solids) (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
00400 - (pH) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	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) Interim: 4/1/2025 to 3/31/2028	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) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	1.5 Max. Daily	mg/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

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Outlet No. 015, a 30" reinforced concrete pipe carrying effluent from stormwater inlets SI-2 and SI-3.

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

A.018 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 018 (Storm Water Runoff)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/month	Estimated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
00400 - (pH) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/month	Grab
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
00615 - (Nitrogen Nitrite) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
01032 - (Chromium, Hexavalent) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Outlet No. 018, an 84" reinforced concrete pipe

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

A.018 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 018 (Storm Water Runoff)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
00940 - (Chloride (as Cl)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
00951 - (Fluoride, Total) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
82057 - (Boron, Total) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab
11123 - (Total Recov. Manganese) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Outlet No. 018, an 84" reinforced concrete pipe

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

A.018 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 018 (Storm Water Runoff)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
81020 - (Sulfate)	N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	mg/l	1/month	Grab
(Year Round) (ML-1) (RF-A)					Avg. Monthly	Max. Daily			

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Outlet No. 018, an 84" reinforced concrete pipe

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

A.022 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) 022 (Storm Water Runoff, Other)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	N/A	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	N/A	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
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	N/A	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	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
11123 - (Total Recov. Manganese) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	N/A	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. 022, a 24" corrugated metal pipe which discharges from Sedimentation Basin C

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

A.LM01 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM01 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units			Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM01, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate collection system of the Phase I liner system as depicted on Drawing No. 511-905

A.LM01 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM01 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM01, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate collection system of the Phase I liner system as depicted on Drawing No. 511-905

A.LM01 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM01 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM01, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate collection system of the Phase I liner system as depicted on Drawing No. 511-905

A.LM01 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM01 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM01, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate collection system of the Phase I liner system as depicted on Drawing No. 511-905

A.LM02 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM02 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM02, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate detection system of the Phase I liner system as depicted on Drawing No. 511-904

A.LM02 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM02 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM02, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate detection system of the Phase I liner system as depicted on Drawing No. 511-904

A.LM02 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM02 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM02, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate detection system of the Phase I liner system as depicted on Drawing No. 511-904

A.LM02 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM02 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM02, a composite sample obtained from the termini of the 4" HPDE pipes which carry effluent from the leachate detection system of the Phase I liner system as depicted on Drawing No. 511-904

A.LM03 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM03 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM03, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate collection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM03 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM03 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM03, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate collection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM03 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM03 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM03, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate collection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM03 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM03 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM03, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate collection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM04 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM04 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM04, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate detection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM04 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM04 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM04, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate detection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM04 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM04 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM04, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate detection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM04 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM04 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM04, discharge from the terminus of the 6" HPDE pipe which carries effluent from the leachate detection system of the Phase II and Stage I and II liner systems, as depicted on Drawing No. C89502714

A.LM05 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM05 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM05, a composite sample obtained from the termini of the 4" diameter HDPE pipes which carry effluent from the leachate collection system of the Phase III liner system as depicted on Drawing No. C8950088

A.LM05 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM05 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM05, a composite sample obtained from the termini of the 4" diameter HDPE pipes which carry effluent from the leachate collection system of the Phase III liner system as depicted on Drawing No. C8950088

A.LM05 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM05 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM05, a composite sample obtained from the termini of the 4" diameter HDPE pipes which carry effluent from the leachate collection system of the Phase III liner system as depicted on Drawing No. C8950088

A.LM05 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM05 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM05, a composite sample obtained from the termini of the 4" diameter HDPE pipes which carry effluent from the leachate collection system of the Phase III liner system as depicted on Drawing No. C8950088

A.LM06 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM06 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM06, a composite sample obtained from terminus of the 4" diameter HDPE pipe which carries effluent from the leachate detection system of the Phase III liner system as depicted on Drawing No. C8950087

A.LM06 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM06 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM06, a composite sample obtained from terminus of the 4" diameter HDPE pipe which carries effluent from the leachate detection system of the Phase III liner system as depicted on Drawing No. C8950087

A.LM06 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM06 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units			Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM06, a composite sample obtained from terminus of the 4" diameter HDPE pipe which carries effluent from the leachate detection system of the Phase III liner system as depicted on Drawing No. C8950087

A.LM06 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM06 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM06, a composite sample obtained from terminus of the 4" diameter HDPE pipe which carries effluent from the leachate detection system of the Phase III liner system as depicted on Drawing No. C8950087

ALM07 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM07 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM07, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the lined Phase IV Area as depicted on Drawing No. C89502716

A.LM07 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM07 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM07, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the lined Phase IV Area as depicted on Drawing No. C89502716

A.LM07 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM07 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM07, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the lined Phase IV Area as depicted on Drawing No. C89502716

A.LM07 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM07 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM07, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the lined Phase IV Area as depicted on Drawing No. C89502716

A.LM08 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM08 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units			Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM08, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection system of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM08 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM08 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM08, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection system of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM08 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM08 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM08, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection system of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM08 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM08 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM08, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection system of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM09 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM09 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM09, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the underdrain of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM09 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM09 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM09, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the underdrain of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM09 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM09 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM09, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the underdrain of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM09 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM09 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM09, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the underdrain of the lined Phase IV area as depicted on Drawing No. C89502716

A.LM10 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM10 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units			Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM10, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the unlined Phase IV area as depicted on Drawing No. C89502716

A.LM10 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM10 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM10, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the unlined Phase IV area as depicted on Drawing No. C89502716

A.LM10 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM10 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM10, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the unlined Phase IV area as depicted on Drawing No. C89502716

A.LM10 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM10 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM10, terminus of the 12" diameter solid wall HDPE pipe which carries effluent from the leachate collection system of the unlined Phase IV area as depicted on Drawing No. C89502716

A.LM11 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM11 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM11, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cells A and B of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM11 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM11 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM11, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cells A and B of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM11 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM11 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM11, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cells A and B of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM11 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM11 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM11, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cells A and B of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM12 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM12 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
01002 - (Arsenic, Total (as As)) (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
01032 - (Chromium, Hexavalent) (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
71900 - (Mercury, Total (as Hg)) (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
01055 - (Manganese, Total (as Mn)) (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
00940 - (Chloride (as Cl)) (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
01027 - (Cadmium, Total (as Cd)) (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):

LM12, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cell C of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM12 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM12 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01042 - (Copper, Total (as Cu)) (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
01105 - (Aluminum, Total (as Al)) (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
01051 - (Lead, Total (as Pb)) (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
01034 - (Chromium, Total (as Cr)) (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
01077 - (Silver, Total (as Ag)) (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
01012 - (Beryllium, Total (as Be)) (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
01147 - (Selenium, Total (as Se)) (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
01007 - (Barium, Total (as Ba)) (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):

LM12, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cell C of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM12 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM12 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
70295 - (Solids, Total Dissolved (TDS)) (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
01097 - (Antimony, Total (as Sb)) (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
01022 - (Boron, Total (as B)) (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
01062 - (Molybdenum, Total (as Mo)) (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
00095 - (Specific Conductance) (Year Round) (ML-1) (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-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
00916 - (Calcium, Total (as Ca)) (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
00680 - (Total Organic Carbon) (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):

LM12, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cell C of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM12 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM12 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01045 - (Iron, Total (as Fe)) (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
01067 - (Nickel, Total (as Ni)) (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
01087 - (Vanadium, Total (as V)) (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
81020 - (Sulfate) (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
00927 - (Magnesium,Tot (as Mg)) (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
01059 - (Thallium, Total (as Tl)) (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):

LM12, terminus of the 6" diameter solid wall HDPE pipe which carries effluent from the leachate detection/underdrain system of Cell C of Surface Impoundment No. 1 as depicted on Drawing No. C8950156

A.LM13 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM13 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):

LM13, influent to Equalization Basin No. 1

A.LM14 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM14 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):

LM14, influent to Equalization Basin No. 2

A.LM15 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM15 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):

LM15, influent to Vegetated Wetland Cell No. 1

A.LM16 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM16 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):
LM16, influent to Vegetated Wetland Cell No. 2

A.LM17 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM17 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units			Units	Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):
LM17, influent to Vegetated Wetland Cell No. 3

A.LM18 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM18 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):
LM18, discharge from Vegetated Wetland Cell No. 3

A.LM19 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM19 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):
LM19, influent to Vegetated Wetland Cell No. 4

ALM20 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM20 (Leachate)

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

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units	Other Units		Units		Measurement Frequency	Sample Type
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
01032 - (Chromium, Hexavalent) (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
01055 - (Manganese, Total (as Mn)) (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
01105 - (Aluminum, Total (as Al)) (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
01147 - (Selenium, Total (as Se)) (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
01045 - (Iron, Total (as Fe)) (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):

LM20, influent to Vegetated Wetland Cell No. 5

ALM21 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee is authorized to discharge from Outlet Number(s) LM21 (Leachate)

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

Effluent Characteristic	Discharge Limitations						Monitoring Requirements	
	Quantity		Units	Other Units		Units	Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-C)	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	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
01032 - (Chromium, Hexavalent) (Year Round) (ML-1) (RF-C)	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-1) (RF-C)	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-1) (RF-C)	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-1) (RF-C)	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-1) (RF-C)	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):

LM21, discharge from wetland treatment system at weir box

A.MW05 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW05 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW05

A.MW05 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW05 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01012 - (Beryllium, Total (as Be)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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	N/A	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00011 - (Temperature, F) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	DEG.F	1/6 months	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW05

A.MW05 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW05 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
11503 - (Radium 226 and 228, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	pCi/L	1/6 months	Grab
01037 - (Cobalt, Total (as Co)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW05

A.MW17 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW17 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.01 Max. Daily	mg/l	1/6 months	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 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	N/A	4 Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.005 Max. Daily	mg/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.015 Max. Daily	mg/l	1/6 months	Grab
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 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):
MW-17

A.MW17 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW17 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01012 - (Beryllium, Total (as Be)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.004 Max. Daily	mg/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.05 Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	2 Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 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	N/A	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00011 - (Temperature, F) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	DEG.F	1/6 months	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 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):
MW-17

A.MW17 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW17 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
11503 - (Radium 226 and 228, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	5 Max. Daily	pCi/L	1/6 months	Grab
01037 - (Cobalt, Total (as Co)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.04 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):
MW-17

A.MW18 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW18 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.01 Max. Daily	mg/l	1/6 months	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 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	N/A	4 Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.005 Max. Daily	mg/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.015 Max. Daily	mg/l	1/6 months	Grab
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 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):
MW-18

A.MW18 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW18 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01012 - (Beryllium, Total (as Be)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.004 Max. Daily	mg/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.05 Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	2 Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 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	N/A	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00011 - (Temperature, F) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	DEG.F	1/6 months	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 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):
MW-18

A.MW18 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW18 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
11503 - (Radium 226 and 228, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	5 Max. Daily	pCi/L	1/6 months	Grab
01037 - (Cobalt, Total (as Co)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.04 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):
MW-18

A.MW19 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW19 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C) Interim: 4/1/2025 to 3/31/2028	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	N/A	0.01 Max. Daily	mg/l	1/6 months	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 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	N/A	4 Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.005 Max. Daily	mg/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW19

A.MW19 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW19 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 Max. Daily	mg/l	1/6 months	Grab
01012 - (Beryllium, Total (as Be)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.004 Max. Daily	mg/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.05 Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	2 Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 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	N/A	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00011 - (Temperature, F) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	DEG.F	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
MW19

A.MW19 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW19 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 Max. Daily	mg/l	1/6 months	Grab
11503 - (Radium 226 and 228, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	5 Max. Daily	pCi/L	1/6 months	Grab
01037 - (Cobalt, Total (as Co)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C) Interim: 4/1/2025 to 3/31/2028	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	N/A	0.04 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):
MW19

A.MW20 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW20 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C) Interim: 4/1/2025 to 3/31/2028	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	N/A	0.01 Max. Daily	mg/l	1/6 months	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 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	N/A	4 Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.005 Max. Daily	mg/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW20

A.MW20 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW20 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 Max. Daily	mg/l	1/6 months	Grab
01012 - (Beryllium, Total (as Be)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.004 Max. Daily	mg/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.05 Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	2 Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.1 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	N/A	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00011 - (Temperature, F) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	DEG.F	1/6 months	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
MW20

A.MW20 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW20 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.002 Max. Daily	mg/l	1/6 months	Grab
11503 - (Radium 226 and 228, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	5 Max. Daily	pCi/L	1/6 months	Grab
01037 - (Cobalt, Total (as Co)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	0.006 Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C) Interim: 4/1/2025 to 3/31/2028	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C) Final: 04/01/2028 to 2/18/2030	N/A	N/A	N/A	N/A	N/A	0.04 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):
MW20

A.MW23 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW23 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
00530 - (Total Suspended Solids) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
00400 - (pH) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/6 months	Grab
01002 - (Arsenic, Total (as As)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01027 - (Cadmium, Total (as Cd)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01051 - (Lead, Total (as Pb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01034 - (Chromium, Total (as Cr)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW23

A.MW23 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW23 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
01012 - (Beryllium, Total (as Be)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01147 - (Selenium, Total (as Se)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01007 - (Barium, Total (as Ba)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01062 - (Molybdenum, Total (as Mo)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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	N/A	Rpt Only Max. Daily	UMHO/CM	1/6 months	Grab
00011 - (Temperature, F) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	DEG.F	1/6 months	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW23

A.MW23 MONITORING WELL REQUIREMENTS:

Permit Limits

During the period beginning 4/1/2025 and lasting through midnight 2/18/2030 the permittee will monitor Well Number(s) MW23 (Monitoring Well)

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

Monitoring Well Characteristic	Monitoring Requirements							Measurement Frequency	Sample Type
	Quantity		Units		Other Units		Units		
11503 - (Radium 226 and 228, Total) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	pCi/L	1/6 months	Grab
01037 - (Cobalt, Total (as Co)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	mg/l	1/6 months	Grab
01132 - (Lithium, Total (as Li)) (Year Round) (ML-O) (RF-C)	N/A	N/A	N/A	N/A	N/A	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):
MW23

B. SCHEDULE OF COMPLIANCE

1. **The permitee shall achieve compliance with the provisions for waste treatment and the monitoring requirements specified in the permit in accordance with the following schedule :**

Jul 01, 2025:	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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Oct 01, 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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Jan 01, 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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Jul 01, 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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Oct 01, 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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Jan 01, 2027:	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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Apr 01, 2027:	The permittee shall complete Assessment of Corrective Measures for arsenic and lithium at the subject facility. Upon completion of the Assessment of Corrective Measures, the permittee shall discuss the results of the corrective measures assessment at least 30 days prior to the selection of remedy, in a public meeting with interested and affected parties. The permittee shall begin the construction of any upgrades or system modifications necessary to comply with the final effluent limitations for aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Jul 01, 2027:	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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Oct 01, 2027:	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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.

B. SCHEDULE OF COMPLIANCE

1. **The permitee shall achieve compliance with the provisions for waste treatment and the monitoring requirements specified in the permit in accordance with the following schedule :**

Jan 01, 2028:	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 aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Apr 01, 2028:	The permittee shall complete the construction of any necessary upgrades or system modifications and shall comply with the final effluent limitations for aluminum at Outlet 012; and iron at Outlets 012, 013, 014, and 015.
Apr 01, 2028:	The permittee shall select a Remedy for the impacts from arsenic and lithium at the subject facility. The remedy shall comply with the requirements of 40 CFR 257.97 and shall be incorporated into the permit via a major modification.

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. Only the waste materials specified in Application No. WV0075795 dated March 17, 2021, may be disposed in the Lower Tributary Valley Disposal Area, the Main Valley Disposal Area, and the Upper Valley Disposal Area.
2. Reporting
   a. Monitoring Reports for the inspectable units referenced in pages 2 and 3 of this permit shall be submitted to the Agency's Electronic Submission System (ESS) and shall be received no later than the twenty fifth (25) day following the end of the reporting period.
   b. Annual Report. An annual report is to be submitted for the previous calendar year to the Agency's Electronic Submission System (ESS) before September 30 of the following year and shall include the following information:
      (1) Summary of the previous year's monitoring activities, including laboratory analysis of the previous year's Toxicity Characteristic Leaching Procedure (TCLP) conducted upon Flue Gas Desulphurization By-Product;
      (2) A brief narrative describing the status of the facility which shall indicate any remedial activities, construction activities, and routine maintenance at the facility, and/or maintenance of the facility including details of the cleanouts of the leachate piping systems referenced in Condition C.12;
      (3) A topographic map showing the permitted area, location of current working area(s) and completed area(s), cross sections showing volume of area that has been filled, and computations estimating the remaining useful life of the facility;
      (4) An annual inspection report similar in format to the October 2004 report entitled "Harrison Constructed Wetland Treatment System, Annual Inspection Report" which shall include the following topics: Introduction, Water Quality Data Review, Performance of System Components, Systems Layout, Physical Site Conditions, Conclusions, and Recommendations;
      (5) Summary of the past year's disposal activities specifying quantities of individual waste types;
      (6) Results of the mine drainage seep survey required by Condition C.16;
      (7) The information regarding the excavation of coal combustion by-products required by Condition C.11.(h) and C.11.(i)., and
      (8) Groundwater flow rate and direction in the uppermost significant aquifer as required by Condition D.1.c.
3. The permittee shall prevent the establishment of trees and shrubs upon the the embankment of Surface Impoundment No. 1.
4. The following storm water requirements apply to Outlet(s) 012, 013, 014, 015, 018, 022, and 023:
   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. Representative Outlets

      Outlet 022 shall be sampled as representative of Outlet 023

      All other outlets shall be monitored and reported separately.

Section C - Other Requirements

4. 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 (all pH values of the samples must be within the range 6.0 to 9.0 S.U.). 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.7.

Pollutant	Benchmark Value	
Total Suspended Solids	100 mg/l	
Arsenic	0.169 mg/l	
Manganese	1.0 mg/l	
Chloride	860 mg/l	
Fluoride	1.8 mg/l	
Nitrate	10 mg/l	
Nitrite Nitrogen	1 mg/l	
Hex Chrome	0.011 mg/l	
Selenium	0.02 mg/l	(Acute WQC)
Aluminum	0.75 mg/l	
Iron	1.5 mg/l	
pH	6.0 to 9.0 S.U.	

d. The benchmark procedure in this Section does not apply to parameters with limitations imposed in Section A.

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.
6. The permittee shall monthly examine the finished surfaces of the Lower Tributary Valley Disposal Area 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.
7. The submission of information not applicable to the Electronic Submission System (ESS) shall be submitted to:

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Director
Div. of Water and Waste Mgmt.
601 57th Street, SE
Charleston, WV 25304
Attn:  Christina Facemyer
       christina.facemyer@wv.gov
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8. The permittee shall inspect prior to the spring and fall planting seasons the vegetative cover of the Lower Tributary Valley Disposal Area and Main Valley Disposal Area. 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.
9. Prior to its disposal, the permittee shall analyze acid mine drainage sludge utilizing the Toxicity Characteristic Leaching Procedure (TCLP) with resulting laboratory analyses being submitted to the address indicated in Condition C.7 for review and approval.
10. The permittee shall maintain in good operating condition all sediment and erosion control structures. Settled solids shall be removed from sediment and erosion control structures when these solids accumulate to 60% of the structure's total sediment capacity or when resuspension of solids begins, whichever occurs first.
11. The permittee is authorized to excavate coal combustion by-products from the Lower Tributary Valley Disposal Area in accordance with the following stipulations:

Section C - Other Requirements

11. a. Excavation activities shall not disturb the leachate collection and protective cover zone of the liner system.

    b. The area to be excavated shall be minimized.

    c. The drainage slope of the area to be excavated shall be maintained.

    d. Benching within the area to be excavated shall be maintained.

    e. In areas where final soil cover must be removed, said cover shall be replaced, regraded and revegetated. Soil cover shall achieve a minimum thickness of twelve inches, regraded slopes shall not exceed 2.5H:1V between benches and a 90% vegetative cover consisting of perennial grasses or legumes shall be established.

    f. Erosion and sedimentation control structures, such as silt fencing, shall be utilized to control runoff from areas to be excavated. Said structures shall be routinely examined for accumulated sediment. Accumulated sediment shall be removed in a timely manner in order to maximize the efficiency of the erosion and sedimentation control structures.

    g. Appropriate notifications will be provided to the addresses indicated in Condition C.7 in accordance with Section 5.5.b.4.C. of Title 33, Series 1, Solid Waste Management Rule.

    h. The location of areas where coal combustion by-products were excavated during the prior year shall be indicated on the topographic map referenced in Condition C.2.b.(3). Cross-sections showing the volume of areas excavated shall also be provided.

    i. Concurrent with the Annual Report required by Condition C.2.(b), the quantity and type of coal combustion by-products excavated during the prior year shall be provided.

12. The permittee shall annually verify that the following pipes referenced in the January 2009 report entitled "Leachate Collection and Detection/Underdrain Piping Blockage Evaluation" are free of blockages: LC-13, LC-14, LC-15, LC-15A, LC-17, LC-18, LC-21, LC-22, LC-25, LC-26A, LC-27, LC-27A, LC-29, LC-30, LC-32, LC-33, LC-35, LC-36, LC-37, LC-38, LC-39, LC-42, LC-43, LC-44, LC-45, LD-13, LD-14, LD-15, LD-15A, LD-21, LD-26A, LD-32, LD-43, UD-47, UD-48, UD-50, UD-51, LD-A, LD-B, LD-C, LD-D, LD-E,LD-F, LD-G, LD-H, LD-J, and LD-K. The permittee shall also annually verify that the pipes referenced on a drawing which shall be submitted within one month of the effective date of the permit are free of blockages. For this purpose, water shall be introduced into the cleanout of each pipe at a steady flow rate. Allowing sufficient travel time but no longer than the time reasonably expected for unobstructed flow to reach the pipe outlet, the flow rate shall be determined at the outlet end of each pipe. If blockages have been determined to be present, blockages shall be removed by utilizing a water jetting device or equivalent equipment. Results of the investigation shall be provided in report form which shall provide for each pipe the inlet and outlet flow rate, and efforts to remove blockages. The report shall be submitted concurrently with the annual report.

13. The following sections of Title 33, Series 1, Solid Waste Management Rule, are hereby waived: 3.2.c, 3.2.k, 4.6.b.1.C, 4.6.b.2.A, 4.6.b.2.B, and 4.12.b, and 4.12.f. The following section of Title 33, Series 1, Solid Waste Management Rule, is hereby modified: 4.12.g.

    Waiver of these Sections in 33 CSR 1 do not waive the equivalent sections in 33 CSR 1B / 40 CFR 257 for Coal Combustion Residual (CCR) units.

14. Sections 4.5.d.3, 4.5.d.4, and 4.5.d.5. of Title 33, Series 1, Solid Waste Management Rule, are waived for the areas of the Main Valley Disposal Area and the Upper Valley Disposal Area where flyash has been previously disposed as depicted on Drawing Numbers C89502703 and C89502704 and are also waived for the area depicted on the drawing submitted with letter dated February 19, 2003 where ash was not previously disposed.

    Waiver of these Sections in 33 CSR 1 do not waive the equivalent sections in 33 CSR 1B / 40 CFR 257 for Coal Combustion Residual (CCR) units.

15. The permittee shall each calendar quarter monitor mine pool elevations in mine pool monitors MPM-6 and MPM-7 which shall be submitted electronically to the Agency's Electronic Submission System (ESS) as required by Condition C.2.a.

Section C - Other Requirements

16. The permittee shall quarterly conduct a mine drainage seep survey of the area shown on Drawing 00-276-B20 included with the November 2002 report entitled "Assessment of Mine Barrier Pillar Breaching, Phase IV CCB Landfill, Harrison Power Station, Harrison County, West Virginia".

17. The permittee shall route to the constructed wetland treatment system depicted on Drawing C8950243 the effluent discharging from the 12-inch mine drainage collection pipe and the 18-inch mine drainge collection pipe, both of which are depicted on Drawing C89501153. The full flow of the 12-inch pipe shall be directed to the constructed wetlands while the maximum flow that can pass through the fully opened 3-inch valve connected to the 18-inch pipe shall be directed to the constructed wetlands. Flow from the 18-inch pipe to the constructed wetlands may be decreased only if the Selenium concentration at Sampling Point LM21 exceeds .012 mg/l or when the waters of Robinson Run back up into the pump station.

18. The permittee shall develop and maintain onsite, an Operating Record. One copy of the Operating Record shall be available for review by representative(s) of the Division of Water and Waste Management at the premises or at the operator's office. The Operating Record shall, at a minimum, be consistent with 33 CSR 1B / 40 CFR 257.

19. The permittee shall, at intervals not exceeding seven days, inspect the facility for any appearances of actual or potential structural weakness and other conditions which are disrupting or have the potential to disrupt the operation or safety of the disposal facility. The results of the inspection must be recorded in the facilities operating record.

20. The approved final closure date (i.e. for the purposes of post closure care) for the landfill covered by this permit is

    a. **Main Area (MA) - N/A (Inactive - has not undergone final closure)**
    Upper Area (UA) - N/A (Landfill is still Active)
    Lower Area (LA) - N/A (Inactive - has not undergone final closure)

    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.

21. 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 the closure plan specified in 40 CFR 257.104 signed by an qualified professional engineer.

    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. 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.

    d. A copy of the deed notation required by 40 CFR 257.102(i).

    e. A plan to abandon groundwater monitoring wells on site compliant with 47CSR60 Section 19.

22. This permit does not authorize the direct discharge of untreated or partially treated leachate or "other" wastewaters via the "emergency overflow" (i.e. former Outlet 020) at Sedimentation Pond No.1.

23. The permittee shall annually perform chronic toxicity tests as described below, on the effluent from Outlet(s) 008:

    a. Such testing will determine if an appropriate dilute effluent sample affects the survival or reproduction of the test species. 8-hour flow weighted composite samples of the effluent, as prescribed in Section A, shall be collected for testing. An appropriate statistical test shall be used to determine whether differences in control and effluent data are significant.

Section C - Other Requirements

23. a. i) The permittee shall conduct a three brood (6-8 days) Ceriodaphnia Dubia 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 Dubia 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.

ii) The permittee shall conduct a 7-day Pimephales Promelas 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/l that test shall be repeated.

b. Results shall be reported in terms of chronic toxic units (TUc) 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

When the effluent demonstrates no toxicity at 100% effluent (no observed effect), the permittee may report zero TUc.

c. The monitoring required, herein, shall be conducted in accordance with the sample collection, preservation, and analytical procedures specified in 40 CFR 136.

d. In addition to the monitoring data reporting requirements of 40 CFR 136, the exact age of the test organisms at the initiation of the test shall be reported. Values of less than or equal to 24 hours are acceptable for Pimephales Promelas, fathead minnow. The range of the Ceriodaphnia Dubia used must be reported as a range in hours. All Ceriodaphnia Dubia used in the test must be less than 24 hours of age at test commencement. The age difference between the youngest and oldest Ceriodaphnia Dubia used in the test must not exceed eight (8) hours.

e. The chronic toxicity testing shall be performed on an annual basis. The first chronic toxicity testing shall be carried out within 6 months from the effective date of the permit for Outlet(s) 008. There shall be a minimum of three (3) months between sampling events.

f. If chronic effluent toxicity testing shows noncompliance with the specified limitations prescribed in Section A, the permittee shall immediately resample and test the effluent. This shall be performed within 30 days of the initial demonstration of noncompliance with the whole effluent toxicity discharge limitations prescribed herein. Copies of the retesting results shall be provided to the Director immediately upon completion of the test.

If the second test shows compliance, chronic effluent toxicity testing shall continue in accordance with the requirements, as prescribed herein. However, if the second test shows noncompliance, the Director shall impose further requirements, as may be necessary, in order to obtain compliance with the chronic effluent toxicity discharge limitations.

g. The Director may impose further requirements should the chronic effluent toxicity testing results demonstrate noncompliance.

Section C - Other Requirements

24. 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 an EPA Approved Test Method with a listed lower method detection level. Regardless, it is recognized that detection levels can vary from analysis to analysis and that non-detect results at a different MDL for the specified test method would not constitute a permit violation.

a.

Parameter	EPA Method No.	Method Detection Level (ug/l)
Arsenic, Total	200.8	1.4
Selenium, Total Recoverable	200.8	1.0
Chromium, Hexavalent	218.6	0.6
Aluminum, Total Recoverable	200.8	1
Mercury, Total*	245.7	0.0018
Mercury, Total*	1631	0.0002
Manganese, Total Recoverable	200.8	0.1
Vanadium, Total	200.8	2.5
Iron, Total Recoverable	200.8	2.61
Molybdenum, Total Recoverable	200.8	0.3
Titanium, Total Recoverable	200.8	0.195

*The permittee may use either Method 245.7 or Method 1631 for the analysis of mercury.

b. The analytical test procedures, set forth in 40 CFR Part 136, prescribe colorimetric methods for certain parameters. The digestion process for the performance of total recoverable is not sufficient for the utilization of a colorimetric procedure. Therefore, colorimetric procedures shall not be acceptable for the analysis of parameters prescribed as total recoverable.

25. In the event of two successive exceedances of an acute whole effluent toxicity value of 0.57 TUa max daily (per Section C.26 greater than 1.0 TUa), the permittee shall submit, with a major permit modification application, the results of relevant aquatic field studies, standard bioassay test data which exists in substantial available scientific literature to establish a 96-hour, or equivalent (i.e. 48-hour, etc), LC50 or safe concentration value for sulfate per 47 CSR 2, Section 9.1 and 9.2. If a suitable LC50 cannot be identified from the study, the permittee shall certify as such in the modification application.

26. The permittee shall perform acute effluent toxicity testing in accordance with the following.

a. The acute effluent toxicity testing prescribed, herein, shall be 48-hour static acute toxicity tests utilizing Pimephales Promelas fathead minnow and Ceriodaphnia Dubia as the test species.

b. The acute toxicity testing shall be performed on a annual basis. There shall be a minimum of three (3) months between semi-annual sampling events.

c. Eight (8) flow weighted composite samples of the effluent, as prescribed in Section A, shall be collected for testing.

d. The dilution water should be a representative sample of the receiving water and should be obtained from a point as close as possible to but upstream or outside of the zone influenced by the effluent. If dilution water from the receiving stream is not suitable, some other uncontaminated, well-aerated surface or groundwater or commercially available media or reconstituted laboratory water can be used.

e. Testing and reporting of the result shall be performed in accordance with 40 CFR 136 and must be submitted with the Discharge Monitoring Report (DMR) for the reporting month in which it is due. LC50 shall be converted into Acute Toxic Units (TUa) using the following formula:

TUa = 100/LC50
For example, if LC50 is 100%, then TUa = 100/100 = 1.

(1.) When the effluent demonstrates no toxicity at 100% effluent (no organisms die), the permittee may report zero (0) TUa.

(2.) An effluent that causes some mortality but less than %50 mortality at %100 effluent on a species is still deemed to have some toxicity. As such, the permittee shall not report zero (0) in this case, but shall report the result as less than one (1) TUa.

Section D - Groundwater Monitoring

1. a. The permittee shall submit as required by Condition C.2.a. monitoring well reports indicating in terms of concentration the values of the parameters listed in Sections A. MW05, A. MW17, A. MW18, A. MW19, A.MW20. Concentrations of constituents for which standards of purity and quality have been referenced in said Sections shall be determined utilizing a minimum level less than said Standards.

   b. Groundwater shall be sampled in accordance with 40 CFR 257.91-93. The stabilized values for pH, Temperature, and Specific Conductance obtained during purging shall be retained as stated in Section III.6 of Appendix A.

   c. The permittee shall each monitoring event determine the rate and direction of groundwater flow in the uppermost significant aquifer. Said report shall be submitted concurrently with the semi-annual or annual report(s).

   d. The permittee shall determine whether there is a statistically significant increase over background levels (A.MW05) for each 40 CFR 257 Appendix III parameter listed in Sections A. MW17, A. MW18, A. MW19, A.MW20. If the permittee determines that there is a statistically significant increase over background for any parameter listed in 40 CFR 257 Appendix III of 40 CFR 257, the permittee shall comply with the requirements of Section D.1.e.

   e. If a statistically significant increase over background concentrations is confirmed per the procedures in 40 CFR 257.94 for any 40 CFR 257 Appendix III parameter, the permittee must do the following:

      (1) Within thirty (30) 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 ninety (90) day period of said finding establish an assessment monitoring program and analyze the groundwater for all constituents listed in Appendix IV of 40 CFR 257.

      (3) Within ninety (90) days of triggering the assessment sampling required by D.1.e.(2), the permittee must:

      Resample all groundwater for all parameters in Appendix IV of 40 CFR 257 and semi-annually thereafter.

      Establish groundwater protection standards for all constituents in Appendix IV detected in the repeat sampling per 40 CFR 257.95(h). For any groundwater standard not already incorporated into this permit, the permit shall submit a major permit modification application to incorporate the groundwater standard in Section A of the permit.

      (4) If the concentrations of all constituents listed in Appendix IV of 40 CFR 257 to this part are shown to be statistically at or below background values, the permittee may return to detection monitoring.

      If the concentrations of any constituent in Appendix IV of 40 CFR 257 to this part are above background values, but all concentrations are below the groundwater protection standard established under 40 CFR 257.95(h) or in Section A of this permit, the owner or operator must continue assessment monitoring.

      (5) Established groundwater standards and preventative action limits (PALs) are documented in Section D.2.b.

   f. Within ninety (90) days of finding that any of the constituents listed in Appendix IV of 40 CFR 257 to this part have been detected at a statistically significant level exceeding the groundwater protection standards the permittee shall initiate an assessment of corrective action measures per 40 CFR 257.96. At a minimum the permittee shall:

      (1) Characterize the nature and extent of the release and any relevant site conditions that may affect clean up of any releases. Including installing additional monitoring wells to define the contaminant plume including at least one at the facility boundary in the direction of contaminant migration, collecting data on the nature and estimated quantity of material released, and resampling all wells to define the nature and extent of release.

      (2) 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.

Section D - Groundwater Monitoring

1. f. (3) Initiate an assessment of Corrective Measures as required by 40 CFR 257.96 and Section D.1.f or demonstrate that a source other than the CCR unit caused the contamination, or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality.

g. Within ninety (90) days of finding that any constituent listed in Appendix IV of 40 CFR 257 has been detected at a statistically significant level exceeding the groundwater protection standard, or immediately upon detection of a release from a CCR unit, the permittee shall initiate an assessment of corrective measures to prevent further releases, to remediate any releases and to restore affected area to original conditions. The assessment of corrective measures must be completed within ninety (90) days, unless the permittee demonstrates the need for additional time to complete the assessment of corrective measures due to site-specific conditions or circumstances.

(1) Within thirty (30) days of a finding that the permittee must perform an assessment of corrective measures per 40 CFR 257.95 the permittee shall notify the Director and place the notification in the operating record.

Upon completion of the assessment of corrective measures the permittee shall place a notification in the operating record.

(2) Specific requirements necessary to complete assessment of corrective action are included in Section D.2.c.

h. Based on the results of the corrective measures assessment, the permittee must, as soon as feasible, obtain approval from the Director for a remedy meeting the requirements of 40 CFR 257.97 via a major permit modification application.

The modification application shall include documentation of the results of a public meeting compliant with 40 CFR 257.96(e).

(1) Approved remediation / remedy decisions and their specific requirements are documented in Section D.2.d.

i. Nothing in this Section D.1 shall relieve the permittee from compliance with the latest effective revision of 40 CFR 257.90-98. In situations where the equivalent part of Section D and the latest effective version of CFR 257.90-98 differ the permittee shall comply with 40 CFR 257.90-98.

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 40 CFR 257 monitoring program:

a. DETECTION MONITORING PROGRAM

Per 40 CFR 257.94, the permittee shall comply with Section D.1.e / 40 CFR 257.95(h) upon an exceedance of the respective background (Detection monitoring) or the laboratory Practical Quantitation Limit (Assessment monitoring) in each respective monitoring well. Upon moving a Detection parameter to an Assessment parameter the permittee shall submit a major permit modification to revise Section D of the permit. Some wells listed here may be under an Assessment program, those wells shall be monitored per Section D.2.b and upon satisfying that section (i.e. all results at or below backgrounds) return to a Detection program.

(1) The following wells shall be evaluated via interwell statistics for the parameters in Section A of this permit:

MW17. MW18, MW19, MW20
Background Well: MW05

b. ASSESSMENT MONITORING PROGRAM

The following wells shall in addition to continued detection monitoring parameters in Section D.1 evaluate the additional parameters below under an assessment program:

Section D - Groundwater Monitoring

2. b. MW05, MW17, MW18, MW19, MW20

Parameter	Background (mg/l)	MCL / PAL (mg/l)
Antimony	0.0014	0.006
Arsenic	0.0005	0.01
Barium	0.153	2
Beryllium	0.00156	0.004
Cadmium	0.00143	0.005
Chromium	0.00758	0.1
Cobalt	NA**	0.006***
Fluoride	2.25	4
Lead	0.00425	0.015
Lithium	0.0188	0.04***
Mercury	0.00032	0.002
Molybdenum	0.015	0.1***
Selenium	NA**	0.05
Thallium	0.00143	0.002
Radium 226 and 228	1.6*	5*

*pCi/l

** Constituent was not detected in the background well (MW05).

*** A deviation and human health based preventative action limit (PAL) has been granted for cobalt, molybdenum, and lithium at the site per 47 CSR 57, Section 5 and groundwater standard established per 33 CSR 1B, Section 1. 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.

c. ASSESSMENT OF CORRECTIVE ACTION

The following items, investigated in the 2023 Annual CCR Rule Groundwater Monitoring and Corrective Action Report, concerning Assessment of Corrective Action require additional investigation at the site and shall be submitted per Section B of the permit:

(1) The permittee shall complete delineation of arsenic and lithium impacts to groundwater. The permittee shall install additional downgradient wells to delineate the nature and extent of impacts of arsenic and lithium or provide justification of why additional delineation is not necessary.

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.

(2) The permittee shall complete Assessment of Corrective Action and discuss the results in a public meeting with interested and affected parties per 40 CFR 257.96(e). A remedy shall then be selected per 40 CFR 257.97. Remedies shall be incorporated into the permit via a major modification application per Section B.

d. CORRECTIVE ACTION PROGRAM AND IMPLEMENTATION (SELECTED REMEDY)

[Reserved]

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. WV0075795; 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. WV0075795; 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 settable 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 Series10, 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.