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Environmental Quality
Board

WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD
CHARLESTON, WEST VIRGINIA

CITY OF WHEELING LANDFILL
1500 CHAPLINE STREET
WHEELING, WEST VIRGINIA
WV SOLID WASTE / NPDES PERMIT NO. SWC-5250 / WV0109037

APPEAL No. 25-13-EQB

Appellant,

v.

DIRECTOR, DIVISION OF WATER AND WASTE MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION,

Appellee.

NOTICE OF APPEAL

Action Complained Of: Now comes Appellant, the City of Wheeling (“City”), by and through counsel, which respectfully represents that it is aggrieved by and appeals Solid Waste/NPDES Permit Number SWC-5250 / WV0109037 (the “Permit”), issued by the West Virginia Department of Environmental Protection (“DEP”) on October 24, 2025, and received by the City on October 17, 2025 (attached hereto Exhibit A).

Relief Requested: The City therefore prays that this matter be reviewed and that the Environmental Quality Board (the “Board”) grant the following relief:

1. Vacate and remand the Permit to DEP with instructions to follow the procedural requirements for a draft permit and fact sheet.
2. Vacate and remand the Permit to DEP with instructions to provide clarification of the required monitoring program, including whether Phase I or Phase II monitoring applies, the required constituents, the required frequency, and the legal basis for stormwater monitoring.
3. Vacate and remand the Permit to DEP with instructions to revise the bonding requirement based on the City’s actual cost estimate and the progress already made in the post-closure period.

4. Vacate and remand the Permit to DEP with instructions to modify and/or eliminate the stormwater monitoring requirements.

5. Provide all other necessary and appropriate relief.

SPECIFIC OBJECTIONS

1. The City of Wheeling submits this request for appeal and formal clarification regarding the final landfill Permit issued for the Wheeling Inactive Landfill (SWC-5250 / WV0109037). The Permit introduces major changes to sampling requirements, groundwater monitoring, stormwater monitoring, and financial assurance. These additions dramatically expand the regulatory scope for a closed facility that has not accepted waste since 1994. Many of the new obligations appear to be inconsistent with 33CSR1 and 47CSR10 and conflict with language inside the Permit itself. The record indicates that Part II water-related requirements were never included in any previous permit, and several sections of the former 2019 permit referenced components that did not exist (Exhibit B). This creates confusion about baseline expectations and the legal basis used to increase requirements now.

2. The City is requesting an appeal to address these inconsistencies and to seek correction of several requirements that exceed what is reasonably defensible under state regulation.

I. Procedural Errors

3. The City was not provided with a draft permit or fact sheet for review as required by 33CSR1 § 3.17 and 47CSR10 §§ 10.1 and 11.1. As a result, the City was not able to raise these objections with DEP prior to issuance of the final permit.

4. The City was not provided with a fact sheet or statement of basis with the final Permit, as required by 33CSR1 § 3.27 and 47CSR10 §§ 11.1 and 11.2. As a result, the City is not able to determine the rationale for the provisions of the final Permit or changes made to the draft permit, if any.

II. Phase I and Phase II Groundwater Monitoring Requirements

5. The facility's prior permit (2019) did not require extensive groundwater monitoring. The groundwater monitoring and reporting requirements in Parts I.C, I.D.1, I.M, II.A.4, II.A.5, II.B, and II.D of the Permit have appeared for this first time,

notwithstanding that there have been no relevant changes to the facility or applicable regulations.

6. The Permit appears to combine elements of both Phase I detection monitoring and Phase II assessment monitoring. Under 33CSR1 § 4.11.b, Phase I detection monitoring requires semiannual sampling for Appendix I constituents unless modified by the Secretary. Phase II monitoring is triggered only when significant increases from background levels are documented. The final Permit does not indicate whether assessment-level parameters are required immediately or only upon exceedances. The internally inconsistency and vagueness of these provisions are arbitrary and capricious.

7. The Permit also contains conflicting language. Part II.A.5 lists several dozen Phase II parameters. However, Part I.D.1.f states that all Appendix II constituents must be monitored except for six exclusions. Appendix II spans more than twelve pages and contains more than one hundred compounds. It is unclear which list controls, and there is no explanation for requiring assessment-level constituents before any exceedance has been demonstrated. This internal conflict makes compliance impossible to define or plan for, and it does not align with the structure of 33CSR1. The internally inconsistency and vagueness of these provisions are arbitrary and capricious.

8. Pursuant to 33CSR1 § 4.11.b.2.A, the Secretary may “may delete any of the Appendix I monitoring parameters” if those parameters are not reasonably expected to be present at the landfill. Wheeling has thirty years of leachate monitoring data, which is more than sufficient to characterize the waste in this municipal solid waste landfill. 33CSR1 § 3.8.h. Failure to account for historical leachate data in defining the monitoring parameters and frequency is unreasonable and an abuse of discretion.

III. Leachate Monitoring and Management Requirements

9. The City currently performs quarterly leachate testing, and the analytical results have consistently shown no detectable constituents of concern. For a closed landfill that has been capped and stable for decades, these results strongly indicate that the waste mass is not generating leachate with pollutants that pose a groundwater or surface water threat (Exhibit C).

10. If quarterly leachate testing continues to show no constituents, it raises a critical question about the basis for requiring expanded monitoring of groundwater, stormwater, management and new Appendix I and Appendix II pollutants in Parts I.C, I.D, II.A.3, II.C of the Permit. The expansion of these obligations despite clean and consistent data is difficult to justify and appears disconnected from site-specific environmental conditions and is arbitrary and capricious.

11. The lack of contaminants in leachate should weigh heavily in determining both the monitoring scope and the frequency. It should also trigger DEP's discretion to scale back requirements, as allowed under 33CSR1.

IV. Stormwater Monitoring and Management Requirements

12. The facility is a fully capped, closed municipal landfill. Stormwater runoff from the facility does not come in contact with solid waste.

13. The facility operated a municipal solid waste facility. It did not accept industrial waste.

14. None of the facility's prior permits regulated stormwater runoff from the facility.

15. Under U.S Environmental Protection Agency's NPDES regulations, stormwater NPDES requirements generally apply only to active Subtitle D landfills or facilities that accept industrial waste, or where stormwater has contact with waste. 40 CFR § 122.26(a)(14)(v). Similarly, DEP's regulations exclude sheetflowing stormwater and uncontaminated stormwater runoff from facilities. 47CSR10 §§ 2.14.b & 13.4.b.3.

16. There is no factual or legal basis for the inclusion of stormwater requirements in Parts II.A.1, II.A.2, II.B.1, II.C.6, and II.C.9 of Permit for the first time thirty-one years after closure.

17. The Permit requires stormwater sampling after rainfall events, along with rapid submission timelines in Part II.C.9 of the Permit. This condition does not appear to be required by any provision of 33CSR1 or 47CSR19.

18. All of Wheeling's sampling is performed by outside contractors. Because rainfall is unpredictable, meeting the required windows is not realistic for a small, inactive landfill with no permanent staff presence. The lack of reasonable accommodation for contractor availability imposes an operational burden that does not reflect the closed and stable nature of the site. The decision to impose this burdensome requirement is arbitrary and capricious.

V. Financial Assurance (Bonding) Requirement

19. The bond requirement increased from roughly \$112,500 to \$12 million compared to the facility's prior permit.

20. Under 33CSR1 § 3.13, financial assurance must reflect the actual cost of completing post-closure activities. The estimate used must be the one prepared by the facility owner and must be adjusted annually to reflect inflation or changes in remaining work.

21. The City did not submit a \$12 million cost estimate for the remaining post-closure activities.

22. There has been no change in landfill conditions that would justify a one thousand percent increase. Inflation since 2019 would account for approximately twenty to twenty-five percent. Additionally, the facility has been progressing through its post-closure period, which should reduce the required bond amount, not increase it. There is no apparent factual basis or regulatory justification for the new amount.

23. There is no factual basis for the \$12 million bond requirement, which is arbitrary and capricious.

VI. Scope and Legal Basis of the Permit

24. The Permit merges solid waste closure obligations with new NPDES-style conditions. These water requirements were never included in previous permits. Several sections of the 2019 permit referenced Part II, Section C.7 even though that section did not exist. This confirms that the baseline permitting structure was already incomplete. Adding

new water-program requirements now, thirty one years after closure, without providing the legal basis for the change, appears inconsistent with Chapter 22, Article 15 and the structure of 33CSR1.

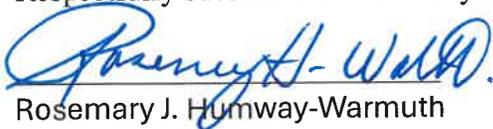
25. Furthermore, the Department has authority to tailor monitoring programs to fit site conditions. The final Permit does not reflect this discretion and does not incorporate any site-specific evaluation, progress toward stabilization, or historical monitoring results.

VII. Procedural Grounds for Appeal

The City requests an appeal based on the following issues:

1. Internal inconsistencies between monitoring lists, sampling triggers, and permit sections.
2. Lack of clarity regarding Phase I versus Phase II monitoring applicability.
3. Unexplained introduction of stormwater monitoring for a closed municipal landfill with no industrial exposure.
4. Bond amount unsupported by any cost estimate, regulation, or site condition.
5. Failure to apply regulatory discretion allowed under 33CSR1 for adjusting monitoring frequency and constituent lists.
6. Significant operational and contractual challenges that make compliance infeasible without clearer guidance.

Respectfully submitted this 24th day of November 2025.



Rosemary J. Humway-Warmuth
W. Va. Bar # 6693
Office of the City Solicitor
City of Wheeling
1500 Chapline Street
Wheeling, WV 26003
(304) 234-3736

Exhibit List

1. Exhibit A - Solid Waste/NPDES Permit Number SWC-5250 / WV0109037 (2025)
2. Exhibit B – Solid Waste Permit Number SWC-5250 (2019)
3. Exhibit C – Leachate Sampling Results

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

SOLID WASTE FACILITY CLOSURE PERMIT

Chapter 22, Articles 11, 12 and 15

RENEWAL

APPLICATION NUMBER: SWC-5250

EFFECTIVE DATE: February 28, 2019

PERMIT NUMBER: SWC-5250

EXPIRATION DATE: February 27, 2024

PERMITTEE:

CONTACT PERSON:

Name: City of Wheeling

Name: Robert Herron

Title: N/A

Title: City Manager

Address: 1500 Chapline Street
Wheeling, WV 26003

Address: 1500 Chapline Street
Wheeling, WV 26003

Telephone No: (304) 234-3617

Telephone No: (304) 234-3617

FACILITY:

Name: City of Wheeling Landfill

Address: Mt. Wood Road
Wheeling, WV 26003

Telephone No: (304) 234-3617

County: Ohio

Location: 1.5 miles north of US 40 on Mount Wood Road

LATITUDE: 40° 05' 21" N

LONGITUDE: 80° 42' 13" W

FACILITY TYPE: Sanitary Landfill (inactive)

PERMITTED AREA: 124 Acres +/-

DISPOSAL AREA: 38 Acres +/-

AMOUNT OF BOND: \$112,500

TYPE OF BOND: Escrow Account
Bonding Commitment

OPERATING SCHEDULE: Closure Related Activities Only

THE SOLID WASTE FACILITY HAS BEEN CONSTRUCTED IN ACCORDANCE WITH:**Plans and Specifications:**

Date Received: June 8, 1989

Prepared By: Lloyd Adams, P.E.
City of Wheeling
1500 Chapline Street
Wheeling, WV 26003

Title: Application for Landfill Closure

Date Received: January 31, 1997

Prepared By: Jimmy Curnes, City Manager
City of Wheeling
1500 Chapline Street
Wheeling, WV 26003

Title: Solid Waste Permit Renewal Application

Date Received: December 23, 2002

Prepared By: City of Wheeling
1500 Chapline Street
Wheeling, West Virginia 25717

Title: Solid Waste Permit Renewal Application

Date Received: May 30, 2008

Prepared By: City of Wheeling
1500 Chapline Street
Wheeling, West Virginia 25717

Title: Solid Waste Permit Renewal Application

Date Received: May 28, 2013 and July 15, 2013

Prepared By: City of Wheeling
1500 Chapline Street
Wheeling, West Virginia 26003

Title: Permit Modification of Wheeling Landfill (Old North Park Landfill) Permit No. SWC-5250-98

Date Received: July 15, 2013

Prepared By: City of Wheeling
1500 Chapline Street
Wheeling, West Virginia 26003

Title: Solid Waste Permit Renewal Application

Date Received: November 30, 2018

Prepared By: City of Wheeling
1500 Chapline Street
Wheeling, West Virginia 26003

Title: Solid Waste Permit Renewal Application

TO WHOM IT MAY CONCERN:

This is to certify that

*City of Wheeling
1500 Chapline Street
Wheeling, West Virginia 26003*

is hereby granted a Solid Waste Closure Permit renewal for the inactive City of Wheeling Sanitary Landfill, incorporating the activities of compaction, grading, covering, revegetation, vermin/pest control, drainage and sediment control, access control, leachate management, surface water control, landfill gas management, groundwater monitoring, and post-closure site monitoring as indicated in the attached permit documents.

This permit is subject to the following terms and conditions: The information submitted on and with Application Number SWC-5250, as corrected, (hereafter identified as Solid Waste Facility Application Number SWC-5250) that was received June 8, 1989; Solid Waste Permit Renewal Application received January 31, 1997; Solid Waste Permit Renewal Application Received December 23, 2002; Solid Waste Permit Renewal Application received May 30, 2008; Permit Modification of Wheeling Landfill (Old North Park Landfill) Permit No. SWC-5250-98 received on May 28, 2013 and additional information received on July 15, 2013; Solid Waste Permit Renewal Application received on July 15, 2013, and Solid Waste Permit Renewal Application received on November 30, 2018, are all hereby made terms and conditions of this permit together with conditions set forth in Sections I and II of this document. Any terms, conditions, and provisions of this permit shall supersede any terms, conditions, and provisions specified in the permit application.

Failure to comply with the terms and conditions of this permit shall constitute grounds for the enforcement procedures set forth in W. Va. Code, Chapter 22, Articles 11, 12, and 15 along with any rules promulgated thereunder.

I. PERMIT CONDITIONS

A. Responsibilities

1. Permit Renewal

Six (6) months prior to the expiration date of this permit, the permittee shall have requested, completed and submitted an application to renew this permit for continued maintenance of the activities and duties specified herein.

2. Requirement to Comply

Closure and post-closure care shall be performed in accordance with W. Va. Code, Chapter 22, Articles 11, 12, and 15, all rules promulgated thereunder, including 33CSR1, the approved plans and specifications, this permit, and any attached instructions, or subsequent changes, amendments, or modifications to this permit.

3. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Nothing in this permit shall be construed to relieve the permittee from compliance with any other applicable federal, state, county or local laws, rules, or ordinances.

4. Right of Inspection

The Secretary of the Department of Environmental Protection (DEP) or his or her authorized representative(s) shall have the right to enter the site and inspect any conditions or operations occurring at the site at any time. The Secretary or his authorized representative(s) may enter onto the site to take and analyze samples of waste, soil, air or water, and may, upon issuance of an order, require the permittee to take and analyze samples of such waste, soil, air or water. Employees or agents of the Department shall be given access to all records relating to the generation, transportation, storage, treatment or disposal of solid waste. The Secretary, or his authorized representative(s), shall be furnished with copies of all such records or shall be given the records for the purpose of making copies.

5. Permit Modification and Reopener Clause

- a. This permit may be modified, suspended, or revoked in whole or in part during its term in accordance with the provisions of W. Va. Code, Chapter 22, Articles 11, 12 and/or 15 and/or any rules promulgated thereunder. An application for any modification of this permit must be submitted at least ninety (90) days prior to the proposed modification.
- b. If federal and/or state laws or rules governing municipal solid waste landfills are amended during the life of this permit, the Secretary may modify the permit and require the permittee to submit an updated application to comply with the amended federal and/or state laws or rules. Only conditions subject to modification are reopened.

6. Availability of Reports

Except for data determined by the Solid Waste Permitting Unit to be confidential in accordance with the provisions of W.Va. Code, Chapter 22, Articles 11 and 15 and Chapter 29B, Article 1, all reports prepared in accordance with the terms of the permit shall be available for public inspection at the Division of Water and Waste Management. Influent and effluent data shall not be considered confidential. Misrepresentation of any material fact in any such report may result in the imposition of penalties as provided by W.Va. Code, Chapter 22, Articles 11, 12, and 15.

7. Implementation

All construction, installation of appurtenances, site renovations and improvements, and closure related activities contained in this permit must be completed within the time frames specified in this permit, unless approved by the Director in writing.

8. Inspection

Prior to any construction, installation of appurtenances, site renovation, improvement, or closure related activity, a written notification must be made to the Division of Water and Waste Management of initiation of such activities. Upon completion of any construction, installation of appurtenances, site renovation, improvement, or closure related activity the permittee shall within ten (10) days make a written request to the Division of Water and Waste Management for inspection of all such activities. The permittee shall provide timetables for all construction, installation of appurtenances, site renovations or upgrading improvements, and closure to the Division of Water and Waste Management in order to provide for adequate inspections of such activities.

9. Water Pollution

All activities covered under this permit shall not lead to pollution of the surface waters or ground waters of the State. This facility shall not violate water quality standards with any discharge into a receiving stream in accordance with 47CSR2.

10. Transfer

This permit is non-transferable unless such transfer is approved according to 33CSR1, promulgated under W.Va. Code, Chapter 22, Article 15. The Director may require modification to this permit or an application for a new permit under the circumstances of the transfer.

11. Notification Procedures

- a. At least one hundred and twenty (120) days prior to the completion of closure activities at the facility, the permittee shall notify the Director in writing of the intent to complete closure activities at the facility and the expected date of such completion. Prior to this date, the permittee shall notify the county or regional solid waste authority, the county commission, the West Virginia Solid Waste Management Board, of the

intent to complete closure activities.

- b. Signs have been posted and must be maintained at all points of access to the facility, beginning at least thirty (30) days prior to closure, indicating the date of closure.

B. Management Requirements

1. Facility Closure Activities

- a. The permittee shall at all times maintain in good working order and efficiently operate all control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit, W.Va. Code, Chapter 22, Articles 11, 12, and 15, and all rules promulgated thereunder.

- b. Schedule and maximum hours for closure related activities:

Closure Related Activities Only

(Note: Emergency maintenance and/or repairs are permissible beyond the scheduled hours of operation of the landfill. The permittee must notify the Division of Water and Waste Management and keep accurate records at the facility of the time, date and nature of emergency maintenance and/ or repairs for review by an authorized representative of the Director.)

- c. Unless otherwise approved by the Director in writing, the permittee shall place, or have placed, final cover in accordance with 33CSR1 Subparagraph 6.1.e.1.B. within six (6) months after disposal in the final lift ceases or as soon thereafter as weather permits.
- d. The permittee shall complete seeding, fertilizing, and mulching of the finished surface of the final cover within ninety (90) days after the placement of the final cover system. Unless otherwise approved by the Director in writing, seed mixture and application rates must be in accordance with 33CSR1 Subdivision 4.5.f.
- e. The permittee has ceased receiving solid waste in the areas designated for closure as provided by the W. Va. Code Chapter 22, Article 15, Section 17, as amended, and shall initiate the closure plan in accordance with the permit, all permit applications, and 33CSR1.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any terms and conditions of this permit or specified in this permit, the permittee shall provide the Director with the following information, in writing, within five (5) days of becoming aware of such conditions:

- a. A description of the noncompliance event and its cause:

- b. The period of noncompliance including exact dates and times, and/or the anticipated time period noncompliance is expected to continue or will occur in the future; and,
- c. Steps being taken to reduce or eliminate noncompliance and to prevent recurrence of the noncomplying event.

C. Monitoring Requirements

The permittee shall submit all reports to Environmental Enforcement and the Director of the Division of Water and Waste Management, as required in Part II, Section C.7. of this permit.

1. Groundwater, Leachate, and Surface Water Monitoring

The permittee shall monitor all groundwater monitoring wells and leachate influent twice a year, along with surface water monitoring points as required by the NPDES Permit (form attached) for the duration of the closure and the post-closure period of the permit. Groundwater sampling frequencies shall be based on the calendar year and must be no less than one hundred (120) days between sampling events. Reports shall be submitted within sixty (60) days of each sampling event. The permittee shall be responsible for any and all ground and surface water degeneration.

2. Landfill Gas Monitoring

The permittee shall monitor the site for the presence of explosive landfill decomposition gases in facility structures and at facility property boundaries in accordance with 33CSR1 Section 4. Methane gas must not exceed twenty-five (25) percent of the lower explosive limit (1.25% by volume) in on-site or the lower explosive limit (5% by volume subsurface) at the property boundary. If these levels are exceeded, the permittee shall follow the notification procedures specified in 33CSR1 Subdivision 4.10.c.

3. Post-Closure Monitoring

Monitoring of the site for vandalism, illegal dumping, subsidence or differential settlement, cracking or erosion of cover materials, leachate releases, and other deleterious conditions shall be performed monthly for the duration of the closure permit and the post-closure period. Significant deterioration shall be reported to the Division of Water and Waste Management Solid Waste Permitting Unit in writing along with steps describing corrective action.

II. CLOSURE OF DISPOSAL AREAS

A. Deed Notation

Upon closure of the landfill, the owner or operator must record a deed notation with the county clerk's office that shall be available with the deed of the property and will notify any potential purchaser that:

1. The land has been used as a landfill.
2. Its use is restricted to ensure post-closure care, including any use that would interfere with maintaining the integrity and effectiveness of the final cover and maintaining the system to control the formation and release of leachate and explosive gases into the environment.
3. The deed shall include at a minimum:
 - a. A survey plot indicating the location and dimension of the landfill;
 - b. A record of waste, including type, location, and quantity of waste disposed of at the site; and,
 - c. The disposal location of asbestos and any other waste specified by the Director.

B. Land Disturbance

No person may engage in excavating, building, drilling, mining, use of the facility for agricultural purposes, or conduct any activity which may adversely affect the final cover, leachate collection and treatment system, gas venting or recovery system, or any other structures required by this permit, on or in the premises without prior written authorization of the Director.

C. Restricted Access

Within ten (10) days after ceasing to accept waste, the permittee shall restrict all access by use of gates, fencing, or other appropriate means, to ensure against further use of the facility. If final use allows access, such access must be restricted until closure has been completed and approved by the Director.

D. Leachate Management

1. The leachate must be collected and contained on the site property in the leachate tank with secondary containment to prevent discharges into the stream or groundwater in accordance with 33CSR1 Section 4. Leachate control and treatment must be maintained for the duration of the permit and post-closure period.
2. Leachate must be collected and routed to the City of Wheeling Wastewater Treatment Plant or an approved alternative waste water treatment facility.
3. In case the City of Wheeling Wastewater Treatment Plant cannot accept the leachate, proper collection, disposal and treatment plans must be submitted within thirty (30) days for approval by the Director.

E. Cover Material

All closure requirements, as described in Sections II.A. through II.D. and Sections II.F. through II.N., of this permit, will be applicable to the disposal area. The entire surface of the municipal solid waste (MSW) disposal area must be covered in accordance with an approved design and in accordance with the following requirements, unless otherwise approved by the Director:

1. A uniform layer of soil that is at least eighteen (18) inches {six (6) inches of daily cover and twelve (12) inches of intermediate cover} in thickness shall be placed on the refuse mass.
2. A one (1) foot layer of a material with a high hydraulic conductivity shall be placed over the intermediate cover to facilitate landfill gas control or approved equivalent.
3. A cap consisting of a uniform and compacted one (1) foot layer of clay that is no more permeable than 1×10^{-7} cm/sec shall be placed and graded over the entire surface of the disposal area in six (6) inch lifts or install 40/60 mil HDPE (High Density Polyethylene) synthetic liner.
4. A one (1) foot drainage layer that is more permeable than 1×10^{-3} cm/sec and capable of transmitting flow and preventing erosion shall be placed over the cap.
5. A uniform and machine dressed layer of soil that is at least two (2) feet in thickness and capable of supporting vegetation shall be placed over the drainage layer.
6. The permittee shall place final cover within six (6) months after disposal in the final lift ceases or as soon thereafter as weather permits.
7. The surface water run-on must be diverted around all areas used for waste disposal to limit the potential for erosion of cover soils and increased infiltration.
8. The grade of the final surface of the disposal area may not be less than three (3%) percent and not more than twenty-five (25%) percent.

F. Drainage and Sediment Control Plan

The permittee shall construct and maintain effective drainage and sediment control at the solid waste facility in accordance with 33CSR1 Subdivision 4.5.b., and as approved in the permit application documents and plans.

G. Revegetation Plan

Within ninety (90) days after the final cover is placed, the permittee shall complete seeding, fertilizing, and mulching of the finished surface. The seeding mixture and application rates must be performed in compliance with the permit application and the Solid Waste Management Rule (33CSR1). Adequate revegetation shall be established on a permanent basis to minimize erosion.

H. Vector/Pest Control Plan

Rodents and vectors will be controlled by the application of suitable pesticide prior to placement of final cover materials. All pesticide use will be properly monitored and applied in conformance with Department of Agriculture guidelines.

I. Certification

Upon completion of each phase of construction and final completion of the closure construction, the permittee shall provide the Solid Waste Management & Environmental Restoration Section a certification of construction from a registered Professional Engineer (PE) licensed to practice in the State of West Virginia, under seal, that all elements or stages were completed as approved in the permit.

J. Quality Assurance and Quality Control (Q.A./Q.C.) Plan

The permittee shall provide a general quality assurance and quality control plan which is to be implemented to assure conformity with the solid waste facility design and construction specifications described in the application and the Solid Waste Management Rule. The permittee must submit for approval prior to any closure activities, the Q.A./Q.C. Plan to be implemented to assure conformity of the solid waste facility closure design, construction specifications, in accordance with the Solid Waste Management Rule (33CSR1).

NOTE: Construction cannot begin until the detailed Q.A./Q.C. plan is approved by the Director.

K. Final Use at Landfills

The permittee shall prohibit drilling, or any of the following activities at the closed landfill which may adversely affect the final cover, leachate collection and treatment system, gas venting or recovery system, or any other structures required by this permit, or on the premises unless specifically approved by the Director in writing prior to their initiation:

1. Use of the facility for agricultural or mining purposes;
2. Establishment or construction of any buildings; and,
3. Excavation of the final cover or any waste materials.

L. Post-Closure Care

The permittee shall continue post-closure care for up to thirty (30) years after final closure of areas, unless extended by the Director, and shall consist of the following:

1. Repair of Settlement: Any settling of solid waste which occurs up to thirty (30) years of the date of final closure, causing ponding of waters in areas of solid waste deposits, shall be repaired promptly. Such repairs shall include any necessary regrading, additions of fill material, and revegetation of settled areas.
2. Repair of Cover Material: Any cracking or erosion of cover material, which occurs and may cause water to enter solid waste deposits shall be repaired immediately. Such repairs shall include any necessary regrading, additions of cover material, and revegetation, to eliminate such cracks or eroded areas.
3. Site Monitoring: Further acceptance and disposal of solid waste at a closed solid waste facility is prohibited. The closed solid waste facility shall be monitored by the permittee, at a minimum frequency of once each month during the post-closure period, to assure that solid waste deposits and vandalism do not occur at the closed solid waste facility. Any solid waste deposited at the closed solid waste facility during the post-closure period shall be promptly removed and disposed at an approved solid waste facility.

M. Final Post-Closure Inspection

After post-closure requirements have been met, the permittee shall request the final post-closure inspection with the Director. An authorized representative(s) will inspect the facility to verify that final closure has been completed as follows:

1. The applicable operating requirements of the Solid Waste Management Act and all other environmental laws of the State of West Virginia, the rules of the West Virginia Department of Environmental Protection, terms and conditions of the permit, the approved closure plan, and Orders issued by the Director have been complied with.
2. No further remedial action, maintenance, or other activity by the permittee is necessary to continue compliance with the Solid Waste Management Act and all other environmental laws of the State of West Virginia, the rules of the West Virginia Department of Environmental Protection, the rules promulgated thereunder, Orders issued by the Director and the terms and conditions of the permit and the approved closure plan.
3. The facility is not causing adverse effects on the environment, and is not causing a nuisance.

N. Bonding

The permittee shall follow the bonding requirements in accordance with 33CSR1 Section 3.

1. The permittee has a Escrow Account for the facility in accordance with 33CSR1 Subsection 3.13 in the amount of \$112,500.00 for approximately fourteen (14) acres of inactive disposal area.

2. The bond is submitted under the requirements of this rule on a form prepared and furnished by the Director, is made payable to the State of West Virginia, and must provide for continuous liability from present operations at the facility for the full term of the permit and for at least thirty (30) years after final closure of the permitted site. Provided that, any further time period that is necessary to achieve compliance with the requirements in the closure plan shall be considered an additional liability period.
3. If for any reason a permittee fails to maintain proper bonding, the Director shall revoke the permit and the permittee shall become fully liable for the amount of the bond.

NOTICE OF RIGHT OF APPEAL

Any person having interest which is or may be adversely affected, or who is aggrieved by the issuance or denial of this permit or by the permit's terms or conditions, may appeal to the Environmental Quality Board as provided in W.Va. Code, Chapter 22B, Article 1.

2-27-19

Date Issued

Harold D. Ward

Harold D. Ward, Acting Director
Division of Water and Waste Management



December 23, 2024

Jordan Cunningham
City of Wheeling Water Pollution Control
2516 Main Street
Wheeling, WV 26003

RE: Project: NORTH PARK LF ANNUAL SAMPLING
Pace Project No.: 30740936

Dear Jordan Cunningham:

Enclosed are the analytical results for sample(s) received by the laboratory on December 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Beaver
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Cynthia Walker

Cynthia Walker
cynthia.walker@pacelabs.com
Project Manager

Enclosures

cc: Mr. Mike Chiazza, Wheeling WPCD
David R. Watkins, Wheeling WPCD



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NORTH PARK LF ANNUAL SAMPLING
Pace Project No.: 30740936

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813
Virginia VELAP 460148
West Virginia DEP 060
West Virginia DHHR 00412CM

North Carolina DEQ 466
Kentucky Wastewater Certification KY90039
Pennsylvania DEP 68-00839

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SAMPLE SUMMARY

Project: NORTH PARK LF ANNUAL SAMPLING
Pace Project No.: 30740936

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------|--------|----------------|----------------|
| 30740936001 | NPL METALS 200.8 | Water | 12/10/24 09:32 | 12/10/24 19:50 |
| 30740936002 | NPL METALS 200.7 | Water | 12/10/24 09:30 | 12/10/24 19:50 |
| 30740936003 | NPL CYANIDE | Water | 12/10/24 09:35 | 12/10/24 19:50 |
| 30740936004 | NPL CHR. HEX | Water | 12/10/24 09:36 | 12/10/24 19:50 |
| 30740936005 | NPL MERCURY | Water | 12/10/24 09:37 | 12/10/24 19:50 |
| 30740936006 | NPL MERC. FB | Water | 12/10/24 09:37 | 12/10/24 19:50 |
| 30740936007 | NPL O&G | Water | 12/10/24 09:35 | 12/10/24 19:50 |
| 30740936008 | NPL TTO | Water | 12/10/24 09:30 | 12/10/24 19:50 |
| 30740936009 | TRIP BLANK | Water | 12/10/24 09:30 | 12/10/24 19:50 |

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SAMPLE ANALYTE COUNT

Project: NORTH PARK LF ANNUAL SAMPLING
Pace Project No.: 30740936

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|------------------|--------------------|----------|-------------------|------------|
| 30740936001 | NPL METALS 200.8 | EPA 200.8 | WES | 12 | PASI-BV |
| 30740936002 | NPL METALS 200.7 | EPA 200.7 | AGB | 1 | PASI-BV |
| 30740936003 | NPL CYANIDE | SM 4500-CN E16 | CJD | 1 | PASI-BV |
| 30740936004 | NPL CHR. HEX | EPA 218.6 | MAT | 1 | PASI-BV |
| 30740936005 | NPL MERCURY | EPA 245.7 | DDL | 1 | PASI-BV |
| 30740936006 | NPL MERC. FB | EPA 245.7 | DDL | 1 | PASI-BV |
| 30740936007 | NPL O&G | EPA 1664A | SMS | 1 | PASI-BV |
| 30740936008 | NPL TTO | EPA 608.3 Dec 2016 | BNL | 9 | PASI-PA |
| | | EPA 608.3 Dec 2016 | CTS | 20 | PASI-PA |
| | | EPA 625.1 Dec 2016 | EAC | 70 | PASI-PA |
| | | EPA 624.1 Dec 2016 | EAB | 53 | PASI-PA |
| 30740936009 | TRIP BLANK | EPA 624.1 Dec 2016 | EAB | 53 | PASI-PA |

PASI-BV = Pace Analytical Services - Beaver
PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL METALS 200.8 Lab ID: 30740936001 Collected: 12/10/24 09:32 Received: 12/10/24 19:50 Matrix: Water

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------------------------------|-----------|-------|---------|----------|----|----------------|----------------|-----------|------|
| BVR 200.8 ICPMS Metals, Total | | | | | | | | | |
| Analytical Method: EPA 200.8 Preparation Method: EPA 200.2 | | | | | | | | | |
| Pace Analytical Services - Beaver | | | | | | | | | |
| Antimony | <0.00030 | mg/L | 0.00050 | 0.00030 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-36-0 | |
| Arsenic | <0.0010 | mg/L | 0.0025 | 0.0010 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-38-2 | |
| Beryllium | <0.00012 | mg/L | 0.00050 | 0.00012 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-41-7 | |
| Cadmium | <0.00025 | mg/L | 0.00050 | 0.00025 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-43-9 | |
| Chromium | 0.0024J | mg/L | 0.0025 | 0.00054 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-47-3 | |
| Copper | 0.012 | mg/L | 0.0025 | 0.0018 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-50-8 | |
| Lead | <0.00025 | mg/L | 0.00050 | 0.00025 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7439-92-1 | |
| Nickel | 0.017 | mg/L | 0.0025 | 0.00065 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-02-0 | |
| Selenium | 0.0014J | mg/L | 0.0025 | 0.00090 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7782-49-2 | |
| Silver | <0.000077 | mg/L | 0.00040 | 0.000077 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-22-4 | |
| Thallium | <0.000026 | mg/L | 0.00020 | 0.000026 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-28-0 | |
| Zinc | 0.022 | mg/L | 0.0050 | 0.0040 | 1 | 12/12/24 03:25 | 12/12/24 12:33 | 7440-66-6 | |

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: **NPL METALS 200.7** Lab ID: **30740936002** Collected: 12/10/24 09:30 Received: 12/10/24 19:50 Matrix: Water

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|-------------------------------|-------------------------------------------------------------------------------------------------|-------|------|-----|----|----------------|----------------|---------|------|
| BVR 200.7 Metals Total | Analytical Method: EPA 200.7 Preparation Method: EPA 200.2 Pace Analytical Services - Beaver | | | | | | | | |
| Total Hardness | 695000 | ug/L | 3310 | 415 | 1 | 12/12/24 02:13 | 12/12/24 23:42 | | |

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL CYANIDE Lab ID: 30740936003 Collected: 12/10/24 09:35 Received: 12/10/24 19:50 Matrix: Water

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------|--------|----|----------------|----------------|---------|------|
| BVR 4500CN-E Cyanide WAD Analytical Method: SM 4500-CN E16 Preparation Method: SM 4500-CN I-16 Pace Analytical Services - Beaver | | | | | | | | | |
| Cyanide, Dissociable | <0.0050 | mg/L | 0.020 | 0.0050 | 1 | 12/12/24 15:54 | 12/17/24 19:53 | 57-12-5 | N2 |

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING

Pace Project No.: 30740936

Sample: NPL CHR. HEX Lab ID: 30740936004 Collected: 12/10/24 09:36 Received: 12/10/24 19:50 Matrix: Water

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------------------|-------------------------------------------------------------------|-------|-----|------|----|----------|----------------|------------|------|
| BVR Hexavalent Chromium 28 Day | Analytical Method: EPA 218.6 Pace Analytical Services - Beaver | | | | | | | | |
| Chromium, Hexavalent | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 12/16/24 14:07 | 18540-29-9 | |

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL MERCURY **Lab ID: 30740936005** Collected: 12/10/24 09:37 Received: 12/10/24 19:50 Matrix: Water

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------|-------------------------------------------------------------------------------------------------|-------|-----|-----|----|----------------|----------------|-----------|------|
| BVR 245.7 Mercury Low Level | Analytical Method: EPA 245.7 Preparation Method: EPA 245.7 Pace Analytical Services - Beaver | | | | | | | | |
| Mercury | <1.5 | ng/L | 5.0 | 1.5 | 1 | 12/16/24 16:00 | 12/17/24 12:00 | 7439-97-6 | |

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL MERC. FB **Lab ID: 30740936006** Collected: 12/10/24 09:37 Received: 12/10/24 19:50 Matrix: Water

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------|-------------------------------------------------------------------------------------------------|-------|-----|-----|----|----------------|----------------|-----------|------|
| BVR 245.7 Mercury Low Level | Analytical Method: EPA 245.7 Preparation Method: EPA 245.7 Pace Analytical Services - Beaver | | | | | | | | |
| Mercury | <1.5 | ng/L | 5.0 | 1.5 | 1 | 12/16/24 16:00 | 12/17/24 12:09 | 7439-97-6 | |

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL O&G **Lab ID: 30740936007** Collected: 12/10/24 09:35 Received: 12/10/24 19:50 Matrix: Water

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|-------------------------------------------------------------------|-------|-----|-----|----|----------|----------------|---------|------|
| BVR HEM, Oil and Grease | Analytical Method: EPA 1664A Pace Analytical Services - Beaver | | | | | | | | |
| Oil and Grease | <2.5 | mg/L | 5.8 | 2.5 | 1 | | 12/17/24 15:09 | | |

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL TTO Lab ID: 30740936008 Collected: 12/10/24 09:30 Received: 12/10/24 19:50 Matrix: Water
 Comments: • The pH of the VOA vial used for analysis was 7.

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|------------|-------|
| 608.3 PCBs Reduced Volume | | | | | | | | | |
| Analytical Method: EPA 608.3 Dec 2016 Preparation Method: EPA 608.3 Dec 2016 | | | | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | | | | |
| PCB-1016 (Aroclor 1016) | <0.18 | ug/L | 0.25 | 0.18 | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 12674-11-2 | 2c |
| PCB-1221 (Aroclor 1221) | <0.17 | ug/L | 0.25 | 0.17 | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 11104-28-2 | 2c |
| PCB-1232 (Aroclor 1232) | <0.17 | ug/L | 0.25 | 0.17 | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 11141-16-5 | 2c |
| PCB-1242 (Aroclor 1242) | <0.20 | ug/L | 0.25 | 0.20 | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 53469-21-9 | 2c |
| PCB-1248 (Aroclor 1248) | <0.073 | ug/L | 0.25 | 0.073 | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 12672-29-6 | 2c |
| PCB-1254 (Aroclor 1254) | <0.24 | ug/L | 0.25 | 0.24 | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 11097-69-1 | 2c |
| PCB-1260 (Aroclor 1260) | <0.13 | ug/L | 0.25 | 0.13 | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 11096-82-5 | 2c |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 60 | % | 10-141 | | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 877-09-8 | |
| Decachlorobiphenyl (S) | 66 | % | 12-117 | | 1 | 12/16/24 11:06 | 12/17/24 16:43 | 2051-24-3 | |
| 608.3 Pesticides Reduced Vol. | | | | | | | | | |
| Analytical Method: EPA 608.3 Dec 2016 Preparation Method: EPA 608.3 Dec 2016 | | | | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | | | | |
| Aldrin | 0.0038J | ug/L | 0.025 | 0.0029 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 309-00-2 | 2c,C2 |
| alpha-BHC | <0.0086 | ug/L | 0.025 | 0.0086 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 319-84-6 | 2c |
| beta-BHC | <0.019 | ug/L | 0.025 | 0.019 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 319-85-7 | 2c |
| delta-BHC | <0.018 | ug/L | 0.025 | 0.018 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 319-86-8 | 2c |
| gamma-BHC (Lindane) | <0.014 | ug/L | 0.025 | 0.014 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 58-89-9 | 2c |
| Chlordane (Technical) | <0.19 | ug/L | 0.25 | 0.19 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 57-74-9 | 2c |
| 4,4'-DDD | <0.012 | ug/L | 0.050 | 0.012 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 72-54-8 | 2c |
| 4,4'-DDE | 0.0052J | ug/L | 0.050 | 0.0044 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 72-55-9 | 2c,C2 |
| 4,4'-DDT | <0.050 | ug/L | 0.050 | 0.050 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 50-29-3 | 2c |
| Dieldrin | <0.0030 | ug/L | 0.050 | 0.0030 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 60-57-1 | 2c |
| Endosulfan I | 0.025 | ug/L | 0.025 | 0.0018 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 959-98-8 | 2c |
| Endosulfan II | <0.018 | ug/L | 0.050 | 0.018 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 33213-65-9 | 2c |
| Endosulfan sulfate | <0.0049 | ug/L | 0.050 | 0.0049 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 1031-07-8 | 2c |
| Endrin | <0.033 | ug/L | 0.050 | 0.033 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 72-20-8 | 2c |
| Endrin aldehyde | <0.018 | ug/L | 0.050 | 0.018 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 7421-93-4 | 2c |
| Heptachlor | <0.0090 | ug/L | 0.025 | 0.0090 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 76-44-8 | 2c |
| Heptachlor epoxide | <0.0041 | ug/L | 0.025 | 0.0041 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 1024-57-3 | 2c |
| Toxaphene | <0.17 | ug/L | 0.50 | 0.17 | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 8001-35-2 | 2c |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 55 | % | 10-103 | | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 877-09-8 | |
| Decachlorobiphenyl (S) | 50 | % | 10-114 | | 1 | 12/16/24 11:06 | 12/17/24 14:18 | 2051-24-3 | |
| 625.1 Reduced Volume | | | | | | | | | |
| Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016 | | | | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | | | | |
| Acenaphthene | <0.60 | ug/L | 1.0 | 0.60 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 83-32-9 | 2c |
| Acenaphthylene | <0.64 | ug/L | 1.0 | 0.64 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 208-96-8 | 2c |
| Anthracene | <0.66 | ug/L | 1.0 | 0.66 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 120-12-7 | 2c |
| Benzidine | <4.4 | ug/L | 15.0 | 4.4 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 92-87-5 | 2c,L2 |
| Benzo(a)anthracene | <0.77 | ug/L | 1.0 | 0.77 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 56-55-3 | 2c |
| Benzo(a)pyrene | <0.76 | ug/L | 1.0 | 0.76 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 50-32-8 | 2c |
| Benzo(b)fluoranthene | <0.75 | ug/L | 1.0 | 0.75 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 205-99-2 | 2c |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL TTO Lab ID: 30740936008 Collected: 12/10/24 09:30 Received: 12/10/24 19:50 Matrix: Water
 Comments: • The pH of the VOA vial used for analysis was 7.

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------------------------------------------------|---------|-------|------|------|----|----------------|----------------|-----------|------|
| 625.1 Reduced Volume | | | | | | | | | |
| Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016 | | | | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | | | | |
| Benzo(g,h,i)perylene | <0.80 | ug/L | 1.0 | 0.80 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 191-24-2 | 2c |
| Benzo(k)fluoranthene | <0.72 | ug/L | 1.0 | 0.72 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 207-08-9 | 2c |
| Benzoic acid | <4.3 | ug/L | 15.0 | 4.3 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 65-85-0 | 2c |
| 4-Bromophenylphenyl ether | <0.68 | ug/L | 1.0 | 0.68 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 101-55-3 | 2c |
| Butylbenzylphthalate | <0.71 | ug/L | 2.5 | 0.71 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 85-68-7 | 2c |
| 4-Chloro-3-methylphenol | 0.63J | ug/L | 1.0 | 0.63 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 59-50-7 | 2c |
| 4-Chloroaniline | <0.50 | ug/L | 1.0 | 0.50 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 106-47-8 | 2c |
| bis(2-Chloroethoxy)methane | <0.58 | ug/L | 1.0 | 0.58 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 111-91-1 | 2c |
| bis(2-Chloroethyl) ether | <0.53 | ug/L | 1.0 | 0.53 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 111-44-4 | 2c |
| 2-Chloronaphthalene | <0.66 | ug/L | 1.0 | 0.66 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 91-58-7 | 2c |
| 2-Chlorophenol | <0.59 | ug/L | 1.0 | 0.59 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 95-57-8 | 2c |
| 4-Chlorophenylphenyl ether | <0.60 | ug/L | 1.0 | 0.60 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 7005-72-3 | 2c |
| Chrysene | <0.80 | ug/L | 1.0 | 0.80 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 218-01-9 | 2c |
| Dibenz(a,h)anthracene | <0.76 | ug/L | 1.0 | 0.76 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 53-70-3 | 2c |
| Dibenzofuran | <0.58 | ug/L | 1.0 | 0.58 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 132-64-9 | 2c |
| 1,2-Dichlorobenzene | <0.60 | ug/L | 1.0 | 0.60 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 95-50-1 | 2c |
| 1,3-Dichlorobenzene | <0.56 | ug/L | 1.0 | 0.56 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 541-73-1 | 2c |
| 1,4-Dichlorobenzene | <0.56 | ug/L | 1.0 | 0.56 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 106-46-7 | 2c |
| 3,3'-Dichlorobenzidine | <0.81 | ug/L | 1.0 | 0.81 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 91-94-1 | 2c |
| 2,4-Dichlorophenol | <0.61 | ug/L | 1.0 | 0.61 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 120-83-2 | 2c |
| Diethylphthalate | <0.64 | ug/L | 1.0 | 0.64 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 84-66-2 | 2c |
| 2,4-Dimethylphenol | <0.64 | ug/L | 1.0 | 0.64 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 105-67-9 | 2c |
| Dimethylphthalate | <0.64 | ug/L | 1.0 | 0.64 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 131-11-3 | 2c |
| Di-n-butylphthalate | <0.80 | ug/L | 1.0 | 0.80 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 84-74-2 | 2c |
| 4,6-Dinitro-2-methylphenol | <1.7 | ug/L | 2.5 | 1.7 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 534-52-1 | 2c |
| 2,4-Dinitrophenol | <2.4 | ug/L | 2.5 | 2.4 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 51-28-5 | 2c |
| 2,4-Dinitrotoluene | <0.46 | ug/L | 1.0 | 0.46 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 121-14-2 | 2c |
| 2,6-Dinitrotoluene | <0.55 | ug/L | 1.0 | 0.55 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 606-20-2 | 2c |
| Di-n-octylphthalate | <1.1 | ug/L | 2.5 | 1.1 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 117-84-0 | 2c |
| 1,2-Diphenylhydrazine | <0.65 | ug/L | 1.0 | 0.65 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 122-66-7 | 2c |
| bis(2-Ethylhexyl)phthalate | <1.5 | ug/L | 2.5 | 1.5 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 117-81-7 | 2c |
| Fluoranthene | <0.71 | ug/L | 1.0 | 0.71 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 206-44-0 | 2c |
| Fluorene | <0.61 | ug/L | 1.0 | 0.61 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 86-73-7 | 2c |
| Hexachloro-1,3-butadiene | <0.60 | ug/L | 1.0 | 0.60 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 87-68-3 | 2c |
| Hexachlorobenzene | <0.68 | ug/L | 1.0 | 0.68 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 118-74-1 | 2c |
| Hexachlorocyclopentadiene | <0.57 | ug/L | 1.0 | 0.57 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 77-47-4 | 2c |
| Hexachloroethane | <0.57 | ug/L | 1.0 | 0.57 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 67-72-1 | 2c |
| Indeno(1,2,3-cd)pyrene | <0.70 | ug/L | 1.0 | 0.70 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 193-39-5 | 2c |
| Isophorone | <0.60 | ug/L | 1.0 | 0.60 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 78-59-1 | 2c |
| 2-Methylnaphthalene | <0.59 | ug/L | 1.0 | 0.59 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 91-57-6 | 2c |
| 2-Methylphenol(o-Cresol) | <0.49 | ug/L | 1.0 | 0.49 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 95-48-7 | 2c |
| 3&4-Methylphenol(m&p Cresol) | <0.89 | ug/L | 2.0 | 0.89 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | | 2c |
| Naphthalene | <0.67 | ug/L | 2.5 | 0.67 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 91-20-3 | 2c |
| 2-Nitroaniline | <1.2 | ug/L | 2.5 | 1.2 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 88-74-4 | 2c |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL TTO Lab ID: 30740936008 Collected: 12/10/24 09:30 Received: 12/10/24 19:50 Matrix: Water
 Comments: • The pH of the VOA vial used for analysis was 7.

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------------------------------------------------------|---------|-------|--------|------|----|----------------|----------------|------------|------|
| 625.1 Reduced Volume | | | | | | | | | |
| Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016 | | | | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | | | | |
| 4-Nitroaniline | <1.4 | ug/L | 2.5 | 1.4 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 100-01-6 | 2c |
| Nitrobenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 98-95-3 | 2c |
| 2-Nitrophenol | <0.67 | ug/L | 1.0 | 0.67 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 88-75-5 | 2c |
| 4-Nitrophenol | <0.35 | ug/L | 1.0 | 0.35 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 100-02-7 | 2c |
| N-Nitroso-di-n-propylamine | <0.58 | ug/L | 1.0 | 0.58 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 621-64-7 | 2c |
| N-Nitrosodiphenylamine | <0.68 | ug/L | 1.0 | 0.68 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 86-30-6 | 2c |
| Pentachlorophenol | <1.5 | ug/L | 2.5 | 1.5 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 87-86-5 | 2c |
| Phenanthrene | <0.66 | ug/L | 1.0 | 0.66 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 85-01-8 | 2c |
| Phenol | <0.25 | ug/L | 1.0 | 0.25 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 108-95-2 | 2c |
| Pyrene | <0.76 | ug/L | 1.0 | 0.76 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 129-00-0 | 2c |
| 1,2,4-Trichlorobenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 120-82-1 | 2c |
| 2,4,5-Trichlorophenol | <1.6 | ug/L | 2.5 | 1.6 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 95-95-4 | 2c |
| 2,4,6-Trichlorophenol | <0.59 | ug/L | 1.0 | 0.59 | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 88-06-2 | 2c |
| Surrogates | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 25-154 | | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 4165-60-0 | SR |
| 2-Fluorobiphenyl (S) | 0 | % | 39-116 | | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 321-60-8 | SR |
| Terphenyl-d14 (S) | 0 | % | 10-173 | | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 1718-51-0 | SR |
| Phenol-d6 (S) | 0 | % | 10-73 | | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 13127-88-3 | SR |
| 2-Fluorophenol (S) | 74 | % | 10-85 | | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 0 | % | 16-155 | | 1 | 12/16/24 08:30 | 12/17/24 21:54 | 118-79-6 | SR |
| 624.1 Volatile Organics | | | | | | | | | |
| Analytical Method: EPA 624.1 Dec 2016 | | | | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | | | | |
| Acetone | <6.7 | ug/L | 50.0 | 6.7 | 1 | | 12/13/24 16:34 | 67-64-1 | |
| Acrolein | <4.0 | ug/L | 10.0 | 4.0 | 1 | | 12/13/24 16:34 | 107-02-8 | |
| Acrylonitrile | <1.4 | ug/L | 4.0 | 1.4 | 1 | | 12/13/24 16:34 | 107-13-1 | |
| Benzene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 12/13/24 16:34 | 71-43-2 | |
| Bromochloromethane | <0.55 | ug/L | 1.0 | 0.55 | 1 | | 12/13/24 16:34 | 74-97-5 | |
| Bromodichloromethane | <0.39 | ug/L | 1.0 | 0.39 | 1 | | 12/13/24 16:34 | 75-27-4 | |
| Bromoform | <1.5 | ug/L | 4.0 | 1.5 | 1 | | 12/13/24 16:34 | 75-25-2 | |
| Bromomethane | <6.3 | ug/L | 10.0 | 6.3 | 1 | | 12/13/24 16:34 | 74-83-9 | |
| 2-Butanone (MEK) | <2.4 | ug/L | 10.0 | 2.4 | 1 | | 12/13/24 16:34 | 78-93-3 | |
| Carbon disulfide | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 12/13/24 16:34 | 75-15-0 | |
| Carbon tetrachloride | <0.52 | ug/L | 1.0 | 0.52 | 1 | | 12/13/24 16:34 | 56-23-5 | |
| Chlorobenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 12/13/24 16:34 | 108-90-7 | |
| Chloroethane | <0.75 | ug/L | 4.0 | 0.75 | 1 | | 12/13/24 16:34 | 75-00-3 | |
| 2-Chloroethylvinyl ether | <0.71 | ug/L | 2.0 | 0.71 | 1 | | 12/13/24 16:34 | 110-75-8 | |
| Chloroform | <1.2 | ug/L | 4.0 | 1.2 | 1 | | 12/13/24 16:34 | 67-66-3 | |
| Chloromethane | <3.4 | ug/L | 10.0 | 3.4 | 1 | | 12/13/24 16:34 | 74-87-3 | |
| Dibromochloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 12/13/24 16:34 | 124-48-1 | |
| 1,2-Dichlorobenzene | <0.62 | ug/L | 1.0 | 0.62 | 1 | | 12/13/24 16:34 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 12/13/24 16:34 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.56 | ug/L | 1.0 | 0.56 | 1 | | 12/13/24 16:34 | 106-46-7 | |
| 1,1-Dichloroethane | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 12/13/24 16:34 | 75-34-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: NPL TTO Lab ID: 30740936008 Collected: 12/10/24 09:30 Received: 12/10/24 19:50 Matrix: Water
 Comments: • The pH of the VOA vial used for analysis was 7.

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|---------|--------------------------------------------------------------------------------|--------|------|----|----------|----------------|-------------|------|
| 624.1 Volatile Organics | | Analytical Method: EPA 624.1 Dec 2016 Pace Analytical Services - Greensburg | | | | | | | |
| 1,2-Dichloroethane | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 12/13/24 16:34 | 107-06-2 | |
| 1,1-Dichloroethane | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 12/13/24 16:34 | 75-35-4 | |
| cis-1,2-Dichloroethane | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 12/13/24 16:34 | 156-59-2 | |
| trans-1,2-Dichloroethane | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 12/13/24 16:34 | 156-60-5 | |
| 1,2-Dichloropropane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 12/13/24 16:34 | 78-87-5 | |
| 2,2-Dichloropropane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 12/13/24 16:34 | 594-20-7 | |
| 1,1-Dichloropropene | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 12/13/24 16:34 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 12/13/24 16:34 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 12/13/24 16:34 | 10061-02-6 | |
| Total 1,3-Dichloropropene | <0.66 | ug/L | 2.0 | 0.66 | 1 | | 12/13/24 16:34 | | N2 |
| Ethylbenzene | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 12/13/24 16:34 | 100-41-4 | |
| 2-Hexanone | <0.40 | ug/L | 10.0 | 0.40 | 1 | | 12/13/24 16:34 | 591-78-6 | |
| Methylene Chloride | <0.75 | ug/L | 10.0 | 0.75 | 1 | | 12/13/24 16:34 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | <0.62 | ug/L | 10.0 | 0.62 | 1 | | 12/13/24 16:34 | 108-10-1 | |
| Methyl-tert-butyl ether | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 12/13/24 16:34 | 1634-04-4 | |
| Styrene | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 12/13/24 16:34 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | <0.71 | ug/L | 1.0 | 0.71 | 1 | | 12/13/24 16:34 | 79-34-5 | |
| Tetrachloroethene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 12/13/24 16:34 | 127-18-4 | |
| Toluene | <0.51 | ug/L | 1.0 | 0.51 | 1 | | 12/13/24 16:34 | 108-88-3 | |
| 1,1,1-Trichloroethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 12/13/24 16:34 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.46 | ug/L | 1.0 | 0.46 | 1 | | 12/13/24 16:34 | 79-00-5 | |
| Trichloroethene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 12/13/24 16:34 | 79-01-6 | |
| Trichlorofluoromethane | <0.60 | ug/L | 1.0 | 0.60 | 1 | | 12/13/24 16:34 | 75-69-4 | |
| Vinyl chloride | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 12/13/24 16:34 | 75-01-4 | |
| Xylene (Total) | <0.88 | ug/L | 3.0 | 0.88 | 1 | | 12/13/24 16:34 | 1330-20-7 | |
| m&p-Xylene | <0.60 | ug/L | 2.0 | 0.60 | 1 | | 12/13/24 16:34 | 179601-23-1 | |
| o-Xylene | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 12/13/24 16:34 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 104 | % | 80-120 | | 1 | | 12/13/24 16:34 | 460-00-4 | |
| Toluene-d8 (S) | 104 | % | 80-120 | | 1 | | 12/13/24 16:34 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 112 | % | 80-120 | | 1 | | 12/13/24 16:34 | 17060-07-0 | |
| Dibromofluoromethane (S) | 92 | % | 74-125 | | 1 | | 12/13/24 16:34 | 1868-53-7 | |
| Preservation pH | 2.0 | | 2.0 | 2.0 | 1 | | 12/13/24 16:34 | | B |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NORTH PARK LF ANNUAL SAMPLING
 Pace Project No.: 30740936

Sample: TRIP BLANK Lab ID: 30740936009 Collected: 12/10/24 09:30 Received: 12/10/24 19:50 Matrix: Water
 Comments: • The pH of the VOA vial used for analysis was 7.

| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|---------|--------------------------------------------------------------------------------|------|------|----|----------|----------------|------------|------|
| 624.1 Volatile Organics | | Analytical Method: EPA 624.1 Dec 2016 Pace Analytical Services - Greensburg | | | | | | | |
| Acetone | <6.7 | ug/L | 50.0 | 6.7 | 1 | | 12/13/24 13:50 | 67-64-1 | |
| Acrolein | <4.0 | ug/L | 10.0 | 4.0 | 1 | | 12/13/24 13:50 | 107-02-8 | |
| Acrylonitrile | <1.4 | ug/L | 4.0 | 1.4 | 1 | | 12/13/24 13:50 | 107-13-1 | |
| Benzene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 12/13/24 13:50 | 71-43-2 | |
| Bromochloromethane | <0.55 | ug/L | 1.0 | 0.55 | 1 | | 12/13/24 13:50 | 74-97-5 | |
| Bromodichloromethane | <0.39 | ug/L | 1.0 | 0.39 | 1 | | 12/13/24 13:50 | 75-27-4 | |
| Bromoform | <1.5 | ug/L | 4.0 | 1.5 | 1 | | 12/13/24 13:50 | 75-25-2 | |
| Bromomethane | <6.3 | ug/L | 10.0 | 6.3 | 1 | | 12/13/24 13:50 | 74-83-9 | |
| 2-Butanone (MEK) | <2.4 | ug/L | 10.0 | 2.4 | 1 | | 12/13/24 13:50 | 78-93-3 | |
| Carbon disulfide | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 12/13/24 13:50 | 75-15-0 | |
| Carbon tetrachloride | <0.52 | ug/L | 1.0 | 0.52 | 1 | | 12/13/24 13:50 | 56-23-5 | |
| Chlorobenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 12/13/24 13:50 | 108-90-7 | |
| Chloroethane | <0.75 | ug/L | 4.0 | 0.75 | 1 | | 12/13/24 13:50 | 75-00-3 | |
| 2-Chloroethylvinyl ether | <0.71 | ug/L | 2.0 | 0.71 | 1 | | 12/13/24 13:50 | 110-75-8 | |
| Chloroform | <1.2 | ug/L | 4.0 | 1.2 | 1 | | 12/13/24 13:50 | 67-66-3 | |
| Chloromethane | <3.4 | ug/L | 10.0 | 3.4 | 1 | | 12/13/24 13:50 | 74-87-3 | |
| Dibromochloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 12/13/24 13:50 | 124-48-1 | |
| 1,2-Dichlorobenzene | <0.62 | ug/L | 1.0 | 0.62 | 1 | | 12/13/24 13:50 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 12/13/24 13:50 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.56 | ug/L | 1.0 | 0.56 | 1 | | 12/13/24 13:50 | 106-46-7 | |
| 1,1-Dichloroethane | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 12/13/24 13:50 | 75-34-3 | |
| 1,2-Dichloroethane | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 12/13/24 13:50 | 107-06-2 | |
| 1,1-Dichloroethene | <0.28 | ug/L | 1.0 | 0.28 | 1 | | 12/13/24 13:50 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 12/13/24 13:50 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 12/13/24 13:50 | 156-60-5 | |
| 1,2-Dichloropropane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 12/13/24 13:50 | 78-87-5 | |
| 2,2-Dichloropropane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 12/13/24 13:50 | 594-20-7 | |
| 1,1-Dichloropropene | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 12/13/24 13:50 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 12/13/24 13:50 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 12/13/24 13:50 | 10061-02-6 | |
| Total 1,3-Dichloropropene | <0.66 | ug/L | 2.0 | 0.66 | 1 | | 12/13/24 13:50 | | N2 |
| Ethylbenzene | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 12/13/24 13:50 | 100-41-4 | |
| 2-Hexanone | <0.40 | ug/L | 10.0 | 0.40 | 1 | | 12/13/24 13:50 | 591-78-6 | |
| Methylene Chloride | <0.75 | ug/L | 10.0 | 0.75 | 1 | | 12/13/24 13:50 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | <0.62 | ug/L | 10.0 | 0.62 | 1 | | 12/13/24 13:50 | 108-10-1 | |
| Methyl-tert-butyl ether | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 12/13/24 13:50 | 1634-04-4 | |
| Styrene | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 12/13/24 13:50 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | <0.71 | ug/L | 1.0 | 0.71 | 1 | | 12/13/24 13:50 | 79-34-5 | |
| Tetrachloroethene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 12/13/24 13:50 | 127-18-4 | |
| Toluene | <0.51 | ug/L | 1.0 | 0.51 | 1 | | 12/13/24 13:50 | 108-88-3 | |
| 1,1,1-Trichloroethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 12/13/24 13:50 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.46 | ug/L | 1.0 | 0.46 | 1 | | 12/13/24 13:50 | 79-00-5 | |
| Trichloroethene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 12/13/24 13:50 | 79-01-6 | |
| Trichlorofluoromethane | <0.60 | ug/L | 1.0 | 0.60 | 1 | | 12/13/24 13:50 | 75-69-4 | |

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QUALIFIERS

Project: NORTH PARK LF ANNUAL SAMPLING
Pace Project No.: 30740936

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 3484469
[1] The pH of the VOA vial used for analysis was 7.
Sample: 3484470
[1] The pH of the VOA vial used for analysis was 7.

ANALYTE QUALIFIERS

2c Sample was processed by reduced volume extraction method. Entire bottle not used.
B Analyte was detected in the associated method blank.
C2 Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
SR Surrogate recovery was below laboratory control limits. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NORTH PARK LF ANNUAL SAMPLING
Pace Project No.: 30740936

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------|--------------------|----------|--------------------|------------------|
| 30740936002 | NPL METALS 200.7 | EPA 200.2 | 714818 | EPA 200.7 | 715079 |
| 30740936001 | NPL METALS 200.8 | EPA 200.2 | 714816 | EPA 200.8 | 714953 |
| 30740936005 | NPL MERCURY | EPA 245.7 | 715705 | EPA 245.7 | 716146 |
| 30740936006 | NPL MERC. FB | EPA 245.7 | 715705 | EPA 245.7 | 716146 |
| 30740936007 | NPL O&G | EPA 1664A | 715954 | | |
| 30740936004 | NPL CHR. HEX | EPA 218.6 | 715538 | | |
| 30740936003 | NPL CYANIDE | SM 4500-CN I-16 | 715036 | SM 4500-CN E16 | 716256 |
| 30740936008 | NPL TTO | EPA 608.3 Dec 2016 | 715524 | EPA 608.3 Dec 2016 | 715731 |
| 30740936008 | NPL TTO | EPA 608.3 Dec 2016 | 715523 | EPA 608.3 Dec 2016 | 715735 |
| 30740936008 | NPL TTO | EPA 625.1 Dec 2016 | 715537 | EPA 625.1 Dec 2016 | 715724 |
| 30740936008 | NPL TTO | EPA 624.1 Dec 2016 | 715275 | | |
| 30740936009 | TRIP BLANK | EPA 624.1 Dec 2016 | 715275 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace® Location Requested (City/State): **CHAIN-OF-CUSTODY Analytical Request Document**
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 30740936



Company Name: City of Wheeling, WPCD
 Street Address: 2516 Main Street Wheeling, WV 26003
 Contact/Report To: Jordan Cunningham
 Phone #: (304) 234-3874
 E-Mail: jordan.cunningham@wheelingwv.gov
 Cc E-Mail:

Customer Project #: North Park LF Annual Sampling 2024
 Project Name: North Park LF Annual Sampling 2024
 Invoice To: Mike Chiazza
 Invoice E-Mail: mchiazza@wheelingwv.gov

Site Collection Info/Facility ID (as applicable): North Park Landfill (NPL-001) Mt. Wood Road Wheeling, WV 26003
 Purchase Order # (if applicable):
 Quote #:

Time Zone Collected: [] AK [] PT [] MT [] CT [X] ET
 County / State origin of sample(s): Ohio County / West Virginia

Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other
 Regulatory Program (DW, RCRA, etc.) as applicable: CWA
 Rush (Pre-approval required): [] 2 Day [] 3 day [] 5 day [] Other
 Date Results Requested:
 DW PWSID # or WW Permit # as applicable: NPDES Permit: WV0023230
 Field Filtered (if applicable): [X] Yes [] No
 Analysis: Chromium +6 Hexavalent

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Specify Container Size **
 Identify Container Preservative Type***
 Analysis Requested

| | | | | | | | | | |
|--------------------------------------------------|--------------------------------------------------|-------------------------------------|--------------------------------------------|--------------------------------|----------------------------------------|-------------------------------------|---------------------------------------------------------------|------------|-----------------------------------------------------|
| Metals: Ag, Cr, Ni, Pb, As, Cu, Zn Method: 200.7 | Metals: Iron (Fe) & Manganese (Mn) Method: 200.7 | Cyanide, Free (Cn-) Method: 4500-CN | Chromium +6 Hexavalent (Cr6) Method: 218.6 | Mercury, II (Hg) Method: 245.7 | Mercury Field Blank (Hg) Method: 245.7 | HEM-OG (Oil & Grease) Method: 1664B | Total Toxic Organics Method: Sum of EPA 824.1, 825.1, & 608.3 | Proj. Mgr: | Preservation non-conformance identified for sample. |
| | | | | | | | AcctNum / Client ID: | | |
| | | | | | | | Table #: | | |
| | | | | | | | Profile / Template: | | |
| | | | | | | | Prelog / Bottle Ord. ID: | | |

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) | | Composite End | | Res. CL2 | Number & Type of Containers | | Metals: Ag, Cr, Ni, Pb, As, Cu, Zn Method: 200.7 | Metals: Iron (Fe) & Manganese (Mn) Method: 200.7 | Cyanide, Free (Cn-) Method: 4500-CN | Chromium +6 Hexavalent (Cr6) Method: 218.6 | Mercury, II (Hg) Method: 245.7 | Mercury Field Blank (Hg) Method: 245.7 | HEM-OG (Oil & Grease) Method: 1664B | Total Toxic Organics Method: Sum of EPA 824.1, 825.1, & 608.3 | Sample Comment |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|----------|-----------------------------|-------|--------------------------------------------------|--------------------------------------------------|-------------------------------------|--------------------------------------------|--------------------------------|----------------------------------------|-------------------------------------|---------------------------------------------------------------|----------------|
| | | | Date | Time | Date | Time | | Plastic | Glass | | | | | | | | | |
| NPL Metals 200.8 | WW | C | 12-9-24 | 9:30 | 12-10-24 | 9:32 | | | | X | | | | | | | | |
| NPL Metals 200.7 | WW | C | 12-9-24 | 9:30 | 12-10-24 | 9:30 | | | | | X | | | | | | | |
| NPL Cyanide | WW | G | 12-10-24 | 9:35 | | | | | | | | X | | | | | | |
| NPL Chr. Hex | WW | C | 12-9-24 | 9:30 | 12-10-24 | 9:36 | | | | | | | X | | | | | |
| NPL Mercury | WW | G | 12-10-24 | 9:37 | | | | | | | | | | X | | | | |
| NPL Merc. FB | WW | G | 12-10-24 | 9:37 | | | | | | | | | | | X | | | |
| NPL O&G | WW | G | 12-10-24 | 9:35 | | | | | | | | | | | | X | | |
| NPL T10 | WW | C | 12-9-24 | 9:30 | 12-10-24 | 9:30 | | | | | | | | | | | X | |
| * Trip Blank | | | | | | | | | | | | | | | | | X | |

Customer Remarks / Special Conditions / Possible Hazards:
 Collected By: Jordan Cunningham
 Printed Name: Jordan Cunningham
 Signature: [Signature]
 Additional Instructions from Pace®: CE 20 12/10/24
 # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C)

| | | | | |
|--------------------------------------------------|---------------------------|----------------------------------------------|---------------------------|-----------------------------------------|
| Relinquished by/Company: (Signature) [Signature] | Date/Time: 12-10-24 12:50 | Received by/Company: (Signature) [Signature] | Date/Time: 12/10/24 12:50 | Tracking Number: |
| Relinquished by/Company: (Signature) [Signature] | Date/Time: 12/10/24 14:00 | Received by/Company: (Signature) [Signature] | Date/Time: 12/10/24 15:00 | Delivered by: [] In-Person [] Courier |
| Relinquished by/Company: (Signature) [Signature] | Date/Time: 12/10/24 10:40 | Received by/Company: (Signature) [Signature] | Date/Time: 12/10/24 16:00 | [] FedEx [] UPS [] Other |
| Relinquished by/Company: (Signature) [Signature] | Date/Time: 12/10/24 12:10 | Received by/Company: (Signature) [Signature] | Date/Time: 12/10/24 19:50 | Page: of |

WO# : 30740936

PM: CEW Due Date: 12/26/24
 CLIENT: BV-CTYHHWPCD

LIMS30 Lab Sample Condition Upon Receipt (West Vir)

Courier: Fed Ex UPS USPS Client 3rd Party Courier Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box/Containers Present: yes no Seals intact: yes no

Thermometer Used M27 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 3.8 °C Correction Factor: 0 °C Final Temp: 3.8 °C

Thermal Preservation Requirement Met Yes No

pH paper Lot# 204924 Date and initials of person examining contents: JL 12-10-24

| | Yes | No | N/A | |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Chain of Custody Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. |
| Sample Labels match COC: -Includes date/time/ID Matrix: <u>N/A</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 6. |
| Short Hold Time Analysis (<72hr remaining): | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8. |
| Sufficient Volume: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9. |
| Correct Containers Used: -Pace Containers Used: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10. |
| Containers Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 11. |
| Orthophosphate field filtered: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 12. |
| Hex Cr Aqueous sample field filtered: -pH adjusted within 24 hours? (If yes, indicate acid lot #) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 13. |
| Filtered volume received for Dissolved tests: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 14. |
| All containers have been checked for chemical preservation: exceptions: VOA, coliform, O&G, LLMercury, Non-aqueous matrix | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15. |
| All containers meet method/chemical preservation requirements: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Initial when completed: <u>JL</u> Date: <u>12-10-24</u> |
| Headspace in VOA Vials: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Tests not preserved: |
| Trip Blank Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 16. |
| | | | | 17. |
| | | | | Initial when completed: <u>JL</u> Date: <u>12-10-24</u> |

Comments: _____

*PM review is documented electronically in LIMS, when the Project Manager closes the SRF Review schedule in LIMS. The status may be reviewed in the Status section of the Workorder Edit Screen.

Pace

Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: City of Wheeling, WPCD
Street Address: 2516 Main Street Wheeling, WV 26003

Customer Project #: North Park LF Annual Sampling 2024
Project Name: North Park LF Annual Sampling 2024

Site Collection Info/Facility ID (as applicable):
North Park Landfill (NPL-001)
Wheeling, WV 26003

Time Zone Collected: [] AK [] PT [] MT [] CT [X] ET
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other

Contact/Report To: Jordan Cunningham
Phone #: (304) 234-3874
E-Mail: Jordan.cunningham@wheelingwv.gov
Cc E-Mail:
Invoice To: Mike Chiazza
Invoice E-Mail: mchiazza@wheelingwv.gov
Purchase Order # (if applicable):
Quote #:
County / State origin of sample(s): Ohio County / West Virginia

Regulatory Program (DW, RCRA, etc.) as applicable: CWA
Rush (Pre-approval required): [] 2 Day [] 3 day [] 5 day [] Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable: NPDES Permit: WV0023230
Field Filtered (if applicable): [X] Yes [] No
Analysis: Chromium +6 Hexavalent

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), DII (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) | | Composite End | | Res. CL2 | Number & Type of Containers | |
|--------------------|----------|-------------|--------------------------------|--------------------|---------------|--------------------|----------|-----------------------------|-------|
| | | | Date | Time | Date | Time | | Plastic | Glass |
| | | | | | | | | | |
| VPL Metals 200.8 | WW | C | 12-9-24 | 9:30 _{am} | 12-10-24 | 9:32 _{am} | | | X |
| IPL Metals 200.7 | WW | C | 12-9-24 | 9:30 _{am} | 12-10-24 | 9:30 _{am} | | | |
| PL Cyanide | WW | G | 12-10-24 | 9:35 _{am} | | | | | X |
| PL Chr. Hex | WW | C | 12-9-24 | 9:30 _{am} | 12-10-24 | 9:36 _{am} | | | X |
| PL Mercury | WW | G | 12-10-24 | 9:37 _{am} | | | | | X |
| PL Merc. FB | WW | G | 12-10-24 | 9:37 _{am} | | | | | X |
| LO&G | WW | G | 12-10-24 | 9:35 _{am} | | | | | X |
| PTO | WW | C | 12-9-24 | 9:30 _{am} | 12-10-24 | 9:30 _{am} | | | |
| Trip Blank | | | | | | | | | |

WO#: 30740936



Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

Metals: Ag, Cr, Ni, Pb, As, Cu, Zn Method: 200.8
Metals: Iron (Fe) & Manganese (Mn) Method: 200.7
Cyanide, Free (Cr-) Method: 4500-CN
Chromium +6 Hexavalent (Cr6) Method: 218.6
Mercury, LL (Hg) Method: 245.7
Mercury Field Blank (Hg) Method: 245.7
HEM-OG (Oil & Grease) Method: 1664B
Total Toxic Organics Method: Sum of EPA 624.1, 625.1, & 608.3

**Container Size: (1) 1L, (2) 500mL, (3) 225mL, (5) 100mL, (6) 40mL vial, (7) EnC TerraCore, (9) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (8) NaOH, (9) Sodium Thiosulfate, (10) Ascorbic MeOH, (11) Other

Prof. Mgr:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:
Sample Comment

Received by Pace Greensburg
Therm ID 19
Receipt Temp 3.3
Corrected Temp 2.8
Correct Preservation - O/N
Pres. Chlorine Y/N
Rad Samples Screened <0.05 mrem/hr - O/N
Survey Meter #50432

Remarks / Special Conditions / Possible Hazards:

By/Company (Signature)
By/Company (Signature)

Date/Time: 12-10-24 12:55

Collected By: Jordan Cunningham
Printed Name: Jordan Cunningham
Signature: Jordan Cunningham
Received by Company (Signature):

Additional Instructions from Pace*: EE 2C 12/10/24

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C)

WO#: 307409

PM: CEW Due Date:

CLIENT: BV-CTYWHWPCD

LIMS30 Lab Sample Condition Upon Receipt (West Virginia)

Courier: Fed Ex UPS USPS Client 3rd Party Courier Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box/Containers Present: yes no Seals intact: yes no

Thermometer Used M27 Type of Ice: Wet Blue None

Cooler Temperature _____ Observed Temp 3.8 °C Correction Factor: 0 °C Final Temp: _____

Thermal Preservation Requirement Met Yes No

| | |
|--------------------------------|----------------------------------------------------|
| pH paper Lot# <u>204924</u> | Date and Initials of person contents: <u>JL</u> |
|--------------------------------|----------------------------------------------------|

| | Yes | No | N/A | |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------------------------|
| Chain of Custody Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. |
| Sample Labels match COC: -Includes date/time/ID Matrix: <u>N/A</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 6. |
| Short Hold Time Analysis (<72hr remaining): | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8. |
| Sufficient Volume: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9. |
| Correct Containers Used: -Pace Containers Used: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10. |
| Containers Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 11. |
| Orthophosphate field filtered: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 12. |
| Hex Cr Aqueous sample field filtered: -pH adjusted within 24 hours? (If yes, indicate acid lot #) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 13. |
| Filtered volume received for Dissolved tests: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 14. |
| All containers have been checked for chemical preservation: exceptions: VOA, coliform, O&G, LLMercury, Non-aqueous matrix | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15. |
| All containers meet method/chemical preservation requirements: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Initial when completed: <u>JL</u> Date: <u>12-10-2</u> |
| Tests not preserved: | | | | |
| Headspace in VOA Vials: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 16. |
| Trip Blank Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 17. |
| | | | | Initial when completed: <u>JL</u> Date: <u>12-10-2</u> |

Comments: _____

*PM review is documented electronically in LIMS, when the Project Manager closes the SRF Review schedule in LIMS. The status may be reviewed in the Workorder Edit Screen.



west virginia department of environmental protection

Division of Water and Waste Management
601 57th St. SE
Charleston, WV 25304
Phone: (304) 926-0495
Fax: (304) 926-0463

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

October 24, 2025

Robert Herron, City Manager
City of Wheeling
1500 Chapline Street
Wheeling, WV 26003

RE: City of Wheeling Landfill
WV Solid Waste / NPDES Permit No.
SWC-5250 / WV0109037

Dear Permittee:

Enclosed please find Solid Waste/NPDES Permit Number SWC-5250 / WV0109037 dated October 24, 2025. Please note that a Discharge Monitoring Report (DMR) is to be completed and submitted to this Division quarterly (1/3 months).

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
131 A Peninsula Street
Wheeling, West Virginia 26003

If you have any questions, please contact Elizabeth Hill, of the Solid Waste Management Unit, at (304) 926-0499, ext. 43788, or by email at Elizabeth.Hill@wv.gov.

Sincerely,


Jeremy W. Bandy
Director

JWB/jl

Attachment(s)

cc: LCAP, Environmental Inspector, Environmental Inspector Supervisor

Promoting a healthy environment.

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

**SOLID WASTE FACILITY PERMIT
Chapter 22, Articles 11, 12 and 15**

APPLICATION NUMBER: SWC-5250 **ISSUE DATE:** October 24, 2025

PERMIT NUMBER: SWC-5250/WV0109037 **EFFECTIVE DATE:** December 1, 2025

EXPIRATION DATE: October 23, 2030

PERMITTEE:

CONTACT PERSON:

Name: City of Wheeling

Name: Robert Herron

Title: N/A

Title: City Manager

Address: 1500 Chapline Street
Wheeling, WV 26003

Address: 1500 Chapline Street
Wheeling, WV 26003

Telephone No: (304) 234-3617

Telephone No: (304) 234-3617

FACILITY:

Name: City of Wheeling Landfill

Address: Mt. Wood Road
Wheeling, WV 26003

Telephone No: (304) 234-3617

County: Ohio

Location: 1.5 miles north of US 40 on Mount Wood Road

LATITUDE: 40° 05' 21" N

LONGITUDE: 80° 42' 13" W

FACILITY TYPE: Sanitary Landfill (Inactive)

PERMITTED AREA: 31 Acres +/-

DISPOSAL AREA: 14 Acres +/-

MAXIMUM ALLOWED TONNAGE:

N/A

AMOUNT OF BOND AND TYPE OF BOND: (Current)

| | | |
|---------------|-------------------------------|------------------------|
| \$ 219,832.97 | (Closure) | Certificate of Deposit |
| \$ 12,000,000 | (Final Closure Cost Estimate) | |

OPERATING SCHEDULE:

Closed Sanitary Landfill:

Closure and Post-Closure Care Related Activities Only

TYPE OF SOLID WASTE AUTHORIZED:

Solid waste as defined in W.Va. Code Chapter 22, Article 15, Section 2(30) and Section 2(31) and as listed in 33CSR1 Subsection 2.116 and 33CSR1 Subsection 2.119. The facility is closed and no longer accepts waste.

SPECIAL REQUIREMENTS:

N/A

SOURCES OF SOLID WASTE:

N/A

THE SOLID WASTE FACILITY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:

Plans, Specifications and Reports:

Date Received: January 16, 2024 & September 27, 2024
Prepared By: City of Wheeling
Title: Permit Renewal Application

Date Received: November 30, 2018
Prepared By: City of Wheeling
Title: Permit Renewal Application

Date Received: July 15, 2013
Prepared By: City of Wheeling
Title: Permit Renewal Application

Date Received: May 28, 2013 and July 15, 2013
Prepared By: City of Wheeling
Title: Permit Modification of Wheeling Landfill (Old North Park Landfill) Permit No. SWC-5250-98

Date Received: May 30, 2008
Prepared By: City of Wheeling
Title: Permit Renewal Application

Date Received: December 23, 2002
Prepared By: City of Wheeling
Title: Permit Renewal Application

Date Received: January 31, 1997
Prepared By: Jimmy Curnes, City Manager, City of Wheeling

Title: Permit Renewal Application

Date Received: June 8, 1989

Prepared By: Lloyd Adams, P.E., City of Wheeling

Title: Landfill Closure Permit Application

* In the case of differences between the application and the permit. The permit shall take precedence.

TO WHOM IT MAY CONCERN:

This is to certify that: City of Wheeling
1500 Chapline Street
Wheeling, WV 26003

is hereby granted a Solid Waste Facility Permit to:

Acquire, construct, install, monitor and maintain an inactive sanitary landfill and best management practices to perform closure and post-closure care of the City of Wheeling Sanitary Landfill, incorporating the activities of compaction, grading, covering, revegetation, vermin/pest control, drainage and sediment control, access control, leachate management, surface water control, landfill gas management, groundwater monitoring, and post-closure site monitoring as indicated in the attached permit documents.

This permit is subject to the following terms and conditions:

The information submitted on and with Application Number SWC-5250, as corrected, (hereafter identified as Solid Waste Facility Application Number SWC-5250) that was received June 8, 1989; Solid Waste Permit Renewal Application received January 31, 1997; Solid Waste Permit Renewal Application Received December 23, 2002; Solid Waste Permit Renewal Application received May 30, 2008; Permit Modification of Wheeling Landfill (Old North Park Landfill) Permit No. SWC-5250-98 received on May 28, 2013 and additional information received on July 15, 2013; Solid Waste Permit Renewal Application received on July 15, 2013, Solid Waste Permit Renewal Application received on November 30, 2018; and Solid Waste Renewal Permit Application received on January 16, 2024 and additional information received on September 27, 2024; and any other documents submitted which are not herein specifically mentioned, are all hereby made terms and conditions of this permit as all such permit application information was set forth herein, and with other conditions set forth in Sections I, II, III, IV, V, and VI of Part I of this permit. To the extent the permit application information conflicts with the provisions of this document, the provisions of this document shall control.

Failure to comply with the terms and conditions of this permit shall constitute grounds for the enforcement procedures set forth in W. Va. Code, Chapter 22, Articles 11, 12, and 15 and any rules promulgated thereunder.

I. PERMIT CONDITIONS

A. Responsibilities

1. Permit Renewal

Six (6) months prior to the expiration date of this permit, the permittee shall have requested, completed and submitted an application to renew this permit for continued maintenance of the activities and duties specified herein.

2. Requirement to Comply

Closure and post-closure care shall be performed in accordance with W.Va. Code, Chapter 22, Articles 11, 12, and 15, all rules promulgated thereunder, including 33CSR1, the approved plans and specifications, this permit, and any attached instructions, or subsequent changes, amendments, or modifications to this permit.

3. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Nothing in this permit shall be construed to relieve the permittee from compliance with any other applicable federal, state, county or local laws, rules, or ordinances.

4. Right of Inspection

The Secretary of the Department of Environmental Protection or his or her authorized representative(s) shall have the right to enter the site and inspect any conditions or operations occurring at the site at any time. The Secretary or his authorized representative(s) may enter onto the site to take and analyze samples of waste, soil, air or water, and may, upon issuance of an order, require the permittee to take and analyze samples of such waste, soil, air or water. Employees or agents of the Department shall be given access to all records relating to the generation, transportation, storage, treatment or disposal of solid waste. The Secretary, or his authorized representative(s), shall be furnished with copies of all such records or shall be given the records for the purpose of making copies.

5. Permit Modification and Reopener Clause

- a. This permit may be modified, suspended, or revoked in whole or in part during its term in accordance with the provisions of W. Va. Code, Chapter 22, Articles 11, 12 and/or 15 and any rules promulgated thereunder. An application for any modification of this permit must be submitted at least ninety (90) days prior to the proposed modification.

- b. If federal and/or state laws or rules governing municipal solid waste landfills are amended during the life of this permit, the Secretary may modify the permit and require the permittee to submit an updated application to comply with the amended federal and/or state laws or rules. Only conditions subject to modification are reopened.

6. Availability of Reports

Except for data determined by the agency to be confidential in accordance with the provisions of West Virginia Code, Chapter 22, Articles 11, 12, and 15 and Chapter 29B, Article 1, and rules promulgated thereunder, all reports prepared in accordance with the terms of the permit shall be available for public inspection at the Division of Water and Waste Management. Influent and effluent data shall not be considered confidential. Misrepresentation of any material fact in any such report may result in the imposition of penalties as provided by W.Va. Code, Chapter 22, Articles 11, 12, and 15.

7. Implementation

All construction, installation of appurtenances, site renovations and improvements, and closure related activities contained in this permit must be completed within the time frames specified in this permit, unless approved by the Director in writing.

8. Inspection

Prior to any construction, installation of appurtenances, site renovation, improvement, or closure related activity; a written notification must be made to the Division of Water and Waste Management of initiation of such activities. Upon completion of any construction, installation of appurtenances, site renovation, upgrading improvement, or closure related activity, the permittee shall within ten (10) days make a written request to the Division of Water and Waste Management for inspection of all such activities. The permittee shall provide timetables for all construction, installation of appurtenances, site renovations or upgrading improvements, or closure related activity to the Division of Water and Waste Management in order to provide for adequate inspections of such activities.

9. Water Pollution

Any activities covered under this permit shall not lead to pollution of the surface waters or ground waters of the State. This facility shall not violate water quality standards with any discharge into a receiving stream in accordance with 47CSR2.

10. Transfer

This permit is non-transferable unless such transfer is approved according to 33CSR1, promulgated and amended under W.Va. Code, Chapter 22, Article 15. The Director may require modification to this permit or an application for a new permit under the circumstances of the transfer.

11. Notification Procedures

- a. At least one hundred and twenty (120) days prior to the completion of closure activities at the facility, the permittee shall notify the Director in writing of the intent to complete closure activities at the facility and the expected date of such completion. Prior to this date, the permittee shall notify the county or regional solid waste authority, the county commission, and the West Virginia Solid Waste Management Board, of the intent to complete closure activities.
- b. Signs have been posted and must be maintained at all points of access to the facility, beginning at least thirty (30) days prior to closure, indicating the date of closure.

B. Management Requirements

1. Facility Operations

- a. The permittee shall at all times maintain in good working order and efficiently operate all control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit, W.Va. Code, Chapter 22, Articles 11, 12, and 15, and all rules promulgated thereunder.
- b. Schedule and maximum hours for closure related activities:

Closure and Post-Closure Care Related Activities Only

(Note: Emergency maintenance and/or repairs are permissible beyond the scheduled hours of operation of the landfill. The permittee must notify the Division of Water and Waste Management and keep accurate records at the facility of the time, date and nature of emergency maintenance and/or repairs for review by an authorized representative of the Director.)

- c. Unless otherwise approved by the Director in writing, the permittee shall place, or have placed, final cover in accordance with 33CSR1 Subparagraph 6.1.e.1.B. within six (6) months after disposal in the final lift ceases or as soon thereafter as weather permits.

- d. The permittee shall complete seeding, fertilizing, and mulching of the finished surface of the final cover within ninety (90) days after the placement of the final cover system. Unless otherwise approved by the Director in writing, seed mixture and application rates must be in accordance with 33CSR1 Subdivision 4.5.f.
- e. The permittee has ceased receiving solid waste in the areas designated for closure as provided by the W. Va. Code Chapter 22, Article 15, Section 17, as amended, and shall initiate the closure plan in accordance with the permit, all permit applications, and 33CSR1.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any terms and conditions of this permit or specified in this permit, the permittee shall provide the Director with the following information, in writing, within five (5) days of becoming aware of such conditions:

- a. A description of the noncompliance event and its cause;
- b. The period of noncompliance including exact dates and times, and/or the anticipated time period noncompliance is expected to continue or will occur in the future; and,
- c. Steps being taken to reduce or eliminate noncompliance and to prevent recurrence of the noncomplying event.

C. Monitoring Requirements

The permittee shall submit all reports to Environmental Enforcement and the Director of the Division of Water and Waste Management, as required in Part II, Section C.7. of this permit.

1. Groundwater, Leachate, and Surface Water Monitoring

The permittee shall monitor all groundwater monitoring wells, leachate influent and surface water monitoring points per Part II of this permit, including the closure and the post-closure periods. Groundwater sampling frequencies shall be based on the calendar year and must be no less than one hundred (120) days between sampling events. Reports shall be submitted within sixty (60) days of each compliance period. The permittee shall be responsible for any and all ground and surface water degeneration.

2. Landfill Gas Monitoring

The permittee shall monitor the site for the presence of explosive landfill decomposition gasses in facility structures and at facility property boundaries in accordance with 33CSR1 Section 4. If gas is detected at levels exceeding twenty-five (25%) percent of the lower explosive limit for that gas, the permittee shall follow the notification procedures specified in 33CSR1 Subdivision 4.10.c.

3. Post-Closure Monitoring

Monitoring of the site for vandalism, illegal dumping, subsidence or differential settlement, cracking or erosion of cover materials, leachate releases, and other deleterious conditions shall be performed monthly for the duration of the closure permit and the post-closure period. Significant deterioration shall be reported to the Division of Water and Waste Management Solid Waste Permitting Unit in writing along with steps describing corrective action.

II. SOLID WASTE DISPOSAL AREA(S)

This permit does not authorize active disposal of solid waste onsite.

III. WASTE SCREENING ACTIVITIES

This permit does not authorize active disposal of solid waste onsite. No waste screening activities are required.

IV. BOND

The permittee shall follow the bonding requirements in accordance with 33CSR1 Section 3.

The permittee has a Certificate of Deposit for the facility in accordance with 33 CSR1 Subsection 3.13 in the amount of two-hundred-nineteen thousand eight-hundred and thirty-three dollars (\$219,833). All financial assurance performed after June 2, 1996 must meet the requirements of 33CSR1 Paragraph 3.13.a.2., as amended.

The permittee has a Final Closure Cost Estimate in the amount of twelve million dollars (\$12,000,000). On or before twelve (12) months from the permit effective date, the permittee shall have in place the updated bonding commensurate with this closure estimate.

The financial assurance/bond must provide for continuous liability for present operations of the facility for the full term of the permit and for at least thirty (30) years after final closure of the permitted site. Provided that any further time period which is necessary to achieve compliance with the requirements in the closure plan of the permit shall be considered an additional liability period.

If for any reason a permittee fails to maintain proper financial assurance or bonding, the Secretary shall issue a cease and desist order and revoke the permit and the permittee shall become fully liable for the amount of the bond.

V. CLOSURE OF DISPOSAL AREAS

A. Deed Notation

Upon closure of the landfill, the owner or operator must record a deed notation with the county clerk's office that shall be available with the deed of the property and will notify any potential purchaser that:

1. The land has been used as a landfill.
2. Its use is restricted to ensure post-closure care, including any use that would interfere with maintaining the integrity and effectiveness of the final cover and maintaining the system to control the formation and release of leachate and explosive gasses into the environment.
3. The deed shall include at a minimum:
 - a. A survey plot indicating the location and dimension of the landfill;
 - b. A record of waste, including type, location, and quantity of waste disposed of at the site; and,
 - c. The disposal location of asbestos and any other waste specified by the Director.

B. Land Disturbance

No person may engage in excavating, building, drilling, mining, use of the facility for agricultural purposes, or conduct any activity which may adversely affect the final cover, leachate collection and treatment system, gas venting or recovery system, or any other structures required by this permit, on or in the premises without prior written authorization of the Director.

C. Restricted Access

Within ten (10) days after ceasing to accept waste, the permittee shall restrict all access by use of gates, fencing, or other appropriate means, to ensure against further use of the facility. If final use allows access, such access must be restricted until closure has been completed and approved by the Director.

D. Leachate Management

1. Leachate shall be collected and contained on the site property in a tank with secondary containment or surface impoundment / pond which has been constructed in accordance with 33CSR1 Section 4 to prevent illicit discharges into Waters of the State (including groundwater).
2. Leachate shall be routed from the leachate storage facility to the leachate treatment and/or disposal system as specified in Part II of this permit. Leachate control and treatment must be maintained for the duration of the permit and the post-closure period.
3. Leachate shall be treated and/or disposed per Part II Section C of this permit.

E. **Typical Final Cover System (33 CSR 1)**

GAS MANAGEMENT LAYER

A one (1) foot layer of a material with a high hydraulic conductivity or a geocomposite drainage layer having a permeability of at least 1×10^{-3} cm/sec may be used in lieu of the one (1) foot drainage layer and shall be placed directly on the intermediate cover to facilitate landfill gas control.

The permittee shall install an appropriate gas management system, active or passive, if required by the State Code, to collect and control methane and other explosive gasses. If a gas management system is not required, at a minimum, passive gas vents must be installed at a ratio of at least one (1) per acre.

CLAY CAP LAYER

The permittee shall construct and install a twelve (12") layer of 1×10^{-7} cm/sec must be placed and graded over the entire surface of each final lift in six (6) inch lifts.

DRAINAGE LAYER

A one (1) foot drainage layer or drainage geocomposite that is more permeable than 1×10^{-3} cm/sec and capable of transmitting flow and preventing erosion shall be placed over the soil barrier layer.

VEGETATIVE COVER LAYER

A uniform and machine dressed layer of soil that is at least two (2) feet in thickness and capable of supporting vegetation shall be placed over the drainage layer.

Alternative Closure Cap Design

N/A

F. Drainage and Sediment Control Plan

The permittee shall construct and maintain effective drainage and sediment control at the solid waste facility in accordance with 33CSR1 Subdivision 4.5.b., and as approved in the permit application documents and plans.

G. Revegetation Plan

Within ninety (90) days after the final cover is placed, the permittee shall complete seeding, fertilizing, and mulching of the finished surface. The seeding mixture and application rates must be performed in compliance with the permit application and the Solid Waste Management Rule (33CSR1). Adequate revegetation shall be established on a permanent basis to minimize erosion.

H. Final Use at Landfills

The permittee shall prohibit the following activities at the closed landfill unless specifically approved by the Director in writing.

1. Use of the facility for agricultural purposes.
2. Establishment of construction of any buildings.
3. Excavation of the final cover or any waste material.

I. Vector/Pest Control Plan

Rodents and vectors will be controlled by the application of suitable pesticide prior to placement of final cover materials. All pesticide use will be properly monitored and applied in conformance with Department of Agriculture guidelines.

J. Certification

Upon completion of each phase of construction and final completion of the closure construction, the permittee shall provide the Solid Waste Management & Environmental Restoration Section a certification of construction from a registered Professional Engineer (PE) licensed to practice in the State of West Virginia, under seal, that all elements or stages were completed as approved in the permit.

K. Quality Assurance and Quality Control (Q.A./Q.C.) Plan

The permittee shall provide a general quality assurance and quality control plan which is to be implemented to assure conformity with the solid waste facility

design and construction specifications described in the application and the Solid Waste Management Rule. The permittee must submit for approval prior to any closure activities, the Q.A./Q.C. Plan to be implemented to assure conformity of the solid waste facility closure design, construction specifications, in accordance with the Solid Waste Management Rule (33CSR1).

L. Monitoring and Repair

The permittee shall continue post-closure care for up to thirty (30) years after final closure of areas unless extended by the Director and shall consist of the following:

1. Repair of Settlement: Any settling of solid waste which occurs up to thirty (30) years of the date of final closure, causing ponding of waters in areas of solid waste deposits, shall be repaired promptly. Such repairs shall include any necessary regrading, additions of fill material, and revegetation of settled areas.
2. Repair of Cover Material: Any cracking or erosion of cover material, which occurs and may cause water to enter solid waste deposits, shall be repaired immediately. Such repairs shall include any necessary regrading, additions of cover material, and revegetation to eliminate such cracks or eroded areas.
1. Site Monitoring: Further acceptance and disposal of solid waste at a closed solid waste facility is prohibited. The closed solid waste facility shall be monitored by the permittee, at a minimum frequency of once each month during the post-closure period, to assure that solid waste deposits and vandalism do not occur at the closed solid waste facility. Any solid waste deposited at the closed solid waste facility during the post-closure period shall be promptly removed and disposed at an approved solid waste facility.

M. Termination

The approved final closure dates (i.e. for the purposes of post-closure care) for the solid waste management areas covered by this permit are:

City of Wheeling Landfill – N/A (Inactive - not permanently closed)*

*Post-closure care shall not initiate until closure of the landfill is completed and is certified and the permittee receives approval of the closure per 33 CSR 1, Section 6.1.h.

The length of post-closure care may be 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.

After post-closure requirements have been met, the permittee may submit a major permit modification application (or a formal request for termination / revocation of the permit, as applicable) for removal of a landfill from the permit that has completed post closure care. At a minimum, the request shall include:

- a. A notification verifying that post-closure care has been completed in accordance with this permit and 33 CSR 1 signed by an independent registered professional engineer.
- 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 any adverse effects on the environment, and/or causing a nuisance.
- c. A groundwater evaluation report statistically comparing upgradient and downgradient concentrations, during post-closure care, of any Constituent of Concern (COC) developed by the agency or the permittee based on the materials managed in each respective solid waste management area(s) and all parameters listed in Section A of the permit.
- d. A one time evaluation shall also be performed for all parameters listed in 33 CSR 1 Appendix I. For any parameter in downgradient monitoring wells detected statistically above the value in corresponding upgradient monitoring wells (or the previous established intrawell background, if available) that can be attributed to impacts from the management of solid waste, a plan of action shall be submitted to investigate and mitigate / remediate (as necessary) prior to the agency's decision on removal of the solid waste management unit from the permit. The plan of action shall also include evaluation of all parameters in 33 CSR 1 Appendix II that have a reasonable expectation of being present based on the COC list of materials managed.
- e. A long-term stewardship plan to prevent unacceptable exposure to solid waste at the post-closure care unit.
- f. A copy of the deed notation required by 33 CSR 1 - 6.2.f.
- g. A plan to abandon groundwater monitoring wells (if any) on site compliant with 47CSR60 Section 19.

VI. ADDITIONAL REQUIREMENTS

1. ***On or before 2/1/2026***, the permittee shall submit the cap design certified by a licensed professional engineer. If the permittee proposes an alternative final cover per 33 CSR 1, Section 6.1.e.2, it shall be incorporated via a major permit modification.
2. ***On or before 12/1/2026***, the permittee shall have in place the updated bonding compliant with 33 CSR 1, Section 3.13.
3. ***On or before 12/1/2026***, the permittee shall submit a copy of the deed notation required by Section V.A.
4. ***On or before 12/1/2026***, the permittee must clean the leachate collection and detection lines as required by 33 CSR 1 Section 4.8.a.3.
5. ***On or before 11/30/2027***, the permittee shall complete construction of the final cover.
6. ***On or before 5/31/2028***, the permittee shall provide certification of the final cover per 33 CSR 1, Section 6.1.g.

PART II
Permit Number SWC-5250/WV0109037
Leachate and Storm Water Collection and
Treatment Requirements

After review and consideration of the information submitted on and with the permit renewal application, received on January 16, 2024, the permittee is hereby granted a **Water Pollution Control Permit to:**

To operate and maintain a leachate and stormwater collection, storage system and pretreatment system, and best management practices to be comprised of four sediment basins with a total storage volume equal to 18.59 acre-feet. The leachate will be piped to the Wheeling Water Pollution Control Division (WV/NPDES Sewage Permit No. WV0023230, Permit #0013). All units used for the storage of leachate must be constructed to meet the requirements set forth by the Solid Waste Management Rule.

To operate and maintain a stormwater management system and best management practices for the direct discharge of untreated stormwater.

Outlet 001 shall discharge untreated stormwater and other wastewater directly into an unnamed tributary of Stackyard Run. The discharge point will be designated Outlet 001 - Latitude 40° 05' 14.2" N and Longitude 80° 42' 24.4" W.

Outlet 002 shall discharge untreated stormwater directly into Stackyard Run. The discharge point will be designated Outlet 002 - Latitude 40° 05' 14.1" N and Longitude 80° 42' 23.9" W

Outlet 003 shall discharge untreated stormwater directly into Stackyard Run. The discharge point will be designated Outlet 003 - Latitude 40° 05' 10.6" N and Longitude 80° 42' 25.5" W.

These facilities are to serve the Wheeling Landfill. All leachate must be piped directly to the Wheeling Water Pollution Control Division's wastewater treatment facility. This permit does not allow any direct discharge of leachate to the waters of the State from this facility.

This permit is subject to the following terms and conditions:

The information submitted on and with the permit renewal application, received on January 16, 2024, and previous applications as listed on Page 2 are hereby made terms and conditions of this Permit with like effect as if all such permit application information was set forth herein, and with other conditions set forth in Sections A, B, C, D and Appendix A.

The stormwater and leachate collection, storage, and sedimentation control structures shall be constructed in accordance with the plans and specifications as submitted with approved revisions and further described as follows:

Plans, Specifications and Reports:

| | |
|-----------------------|-------------------------------------------------------------------------------------------|
| Date Received: | January 16, 2024 & September 27, 2024 |
| Prepared By: | City of Wheeling |
| Title: | Permit Renewal Application |
| Date Received: | November 30, 2018 |
| Prepared By: | City of Wheeling |
| Title: | Permit Renewal Application |
| Date Received: | July 15, 2013 |
| Prepared By: | City of Wheeling |
| Title: | Permit Renewal Application |
| Date Received: | May 28, 2013 and July 15, 2013 |
| Prepared By: | City of Wheeling |
| Title: | Permit Modification of Wheeling Landfill (Old North Park Landfill) Permit No. SWC-5250-98 |
| Date Received: | May 30, 2008 |
| Prepared By: | City of Wheeling |
| Title: | Permit Renewal Application |
| Date Received: | December 23, 2002 |
| Prepared By: | City of Wheeling |
| Title: | Permit Renewal Application |
| Date Received: | January 31, 1997 |
| Prepared By: | Jimmy Curnes, City Manager, City of Wheeling |
| Title: | Permit Renewal Application |

Date Received: June 8, 1989
Prepared By: Lloyd Adams, P.E., City of Wheeling
Title: Landfill Closure Permit Application

All leachate containment structures must be constructed to meet the requirements set forth in Title 33, Series 1, subsection 4.8, of the Solid Waste Management Rules. The Stormwater Sediment Control Structures shall be constructed and maintained in accordance with Title 33, Series 1, subsection 4.5, of the Solid Waste Management Rules.

If the conditions contained in this section are different from any other conditions set forth in this permit, the permittee must comply with the more stringent condition.

A.1 . Discharge Limitations and Monitoring Requirements

During the period beginning December 1, 2025 and lasting through midnight October 23, 2030 the permittee is authorized to discharge from outlet number(s) 001 (Stormwater and Other).

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

| <u>Effluent Characteristic</u> | <u>Discharge Limitations</u> | | <u>Monitoring Requirements</u> | | | | |
|--------------------------------|---------------------------------------------------|-------------------|-----------------------------------------------------------------------|--------------|----------------------------------------|------------------------------|----------|
| | <u>(Quantity) lbs./day</u> <u>Avg. Monthly</u> | <u>Max. Daily</u> | <u>Other Units (Specify)</u> <u>Avg. Monthly</u> <u>Max. Daily</u> | | <u>Measurement</u> <u>Frequency</u> | <u>Sample</u> <u>Type</u> | |
| Flow | N/A | N/A | Monitor Only | Monitor Only | MGD | 1/ Quarter | Estimate |
| Total Suspended Solids | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| BOD ₅ | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| COD | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| NH ₃ -N | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| Chloride | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| Zinc | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| Oil & Grease | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| Aluminum | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| Fluoride | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |
| Dissolved Manganese | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/ Quarter | grab |

The pH shall be monitored only and the minimum and maximum values shall be recorded in standard units.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outlet 001.

This discharge shall comply with Appendix A – I. MANAGEMENT CONDITIONS 1 - 12.

A.2. Discharge Limitations and Monitoring Requirements

During the period beginning December 1, 2025 and lasting through midnight October 23, 2030 the permittee is authorized to discharge from outlet number(s) 002 (Stormwater); 003 (Stormwater).

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

| <u>Effluent Characteristic</u> | <u>Discharge Limitations</u> | | | | <u>Monitoring Requirements</u> | | |
|--------------------------------|-----------------------------------|-------------------------------|----------------------------------------------|-------------------|--------------------------------|--------------------|----------|
| | (Quantity) <u>Avg. Monthly</u> | lbs./day <u>Max. Daily</u> | Other Units (Specify) <u>Avg. Monthly</u> | <u>Max. Daily</u> | <u>Measurement Frequency</u> | <u>Sample Type</u> | |
| Flow | N/A | N/A | Monitor Only | Monitor Only | MGD | 1/6 Month | Estimate |
| Total Suspended Solids | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 Month | grab |
| BOD ₅ | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 Month | grab |
| COD | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 Month | grab |
| NH ₃ -N | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 Month | grab |
| Chloride | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 Month | grab |
| Zinc | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 Month | grab |
| Oil & Grease | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 Month | grab |

The pH shall be monitored only and the minimum and maximum values shall be recorded in standard units.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outlet 001.

This discharge shall comply with Appendix A – I. MANAGEMENT CONDITIONS 1 - 12.

A.3. Discharge Limitations and Monitoring Requirements

During the period beginning December 1, 2025 and lasting through midnight October 23, 2030 the permittee is authorized to discharge from outlet number(s) 099 - Influent Leachate Flow (Leachate).

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

| <u>Effluent Characteristic</u> | <u>Discharge Limitations</u> | | | | <u>Monitoring Requirements</u> | | | |
|--------------------------------|------------------------------|-------------------|-----------------------|-------------------|--------------------------------|-------------|----------|--|
| | (Quantity) lbs./day | | Other Units (Specify) | | Measurement Frequency | Sample Type | | |
| | <u>Avg. Monthly</u> | <u>Max. Daily</u> | <u>Avg. Monthly</u> | <u>Max. Daily</u> | | | | |
| Flow | N/A | N/A | Monitor Only | N/A | MGD | Continuous | Measured | |

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 099 Leachate

A.4. Monitoring Well Requirements

During the period beginning December 1, 2025 and lasting through midnight October 23, 2030 the permittee will monitor Well Number(s): MW-6R (Upgradient Monitoring Well).

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

Monitoring Requirements

| <u>Monitoring Well Characteristic</u> | (Quantity) lbs./day | | Other Units (Specify) | | | <u>Measurement Frequency</u> | <u>Sample Type</u> |
|----------------------------------------------|----------------------------|--------------------------|------------------------------|--------------------------|---|-------------------------------------|---------------------------|
| | <u>Avg. Monthly</u> | <u>Max. Daily</u> | <u>Avg. Monthly</u> | <u>Max. Daily</u> | | | |
| 33CSR1 Appendix I Parameters List | N/A | N/A | Monitor Only | Monitor Only | * | 1/6 months | In-situ |

The pH shall be monitored only and the minimum and maximum values shall be recorded in standard units.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Well MW-6R. The permittee shall include the results of monitoring via the semi-annual groundwater monitoring report required by Section D.1.a. A Discharge Monitoring Report (DMR) is not required for these monitoring wells.

* Units shall be as designated in 33CSR1 Appendix I. Where not designated, the permittee shall use the appropriate concentration-based units as provided by the approved method of analysis. Specific conductance shall be reported in umhos/cm.

A.5. Monitoring Well Requirements

During the period beginning December 1, 2025 and lasting through midnight October 23, 2030 the permittee will monitor Well Number(s): MW-1; MW-4R; and MW-5 (Downgradient Monitoring Wells).

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

Monitoring Requirements

| <u>Monitoring Well Characteristic</u> | (Quantity) lbs./day | | Other Units (Specify) | | | <u>Measurement Frequency</u> | <u>Sample Type</u> |
|----------------------------------------------|----------------------------|--------------------------|------------------------------|--------------------------|------|-------------------------------------|---------------------------|
| | <u>Avg. Monthly</u> | <u>Max. Daily</u> | <u>Avg. Monthly</u> | <u>Max. Daily</u> | | | |
| 33CSR1 Appendix I Parameters List | N/A | N/A | Monitor Only | Monitor Only | * | 1/6 months | Grab |
| <i>Phase II Parameters:</i> | | | | | | | |
| Aluminum | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Antimony | N/A | N/A | Monitor Only | 0.006 | mg/l | 1/6 months | Grab |
| Arsenic | N/A | N/A | Monitor Only | 0.01 | mg/l | 1/6 months | Grab |
| Barium | N/A | N/A | Monitor Only | 2 | mg/l | 1/6 months | Grab |
| Beryllium | N/A | N/A | Monitor Only | 0.004 | mg/l | 1/6 months | Grab |
| Boron | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Calcium | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Chloride | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Chromium | N/A | N/A | Monitor Only | 0.1 | mg/l | 1/6 months | Grab |
| Cobalt | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Copper | N/A | N/A | Monitor Only | 1.3 | mg/l | 1/6 months | Grab |
| Fluoride | N/A | N/A | Monitor Only | 4 | mg/l | 1/6 months | Grab |
| Iron | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Lead | N/A | N/A | Monitor Only | 0.015 | mg/l | 1/6 months | Grab |
| Magnesium | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Manganese, Dissolved | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Molybdenum | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Nickel | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |
| Nitrate as N | N/A | N/A | Monitor Only | 10.0 | mg/l | 1/6 months | Grab |
| Nitrogen, Ammonia | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab |

| | | | | | | | | |
|-----------|-----|-----|--------------|--------------|------|------------|------|--|
| Phenolics | | | | | | | | |
| Potassium | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab | |
| Sodium | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab | |
| Sulfate | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab | |
| Vanadium | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab | |
| Zinc | N/A | N/A | Monitor Only | Monitor Only | mg/l | 1/6 months | Grab | |

The pH shall be monitored only and the minimum and maximum values shall be recorded in standard units.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Wells MW-1; MW-4R; MW-5. The permittee shall include the results of monitoring via the semi-annual groundwater monitoring report required by Section D.1.a. A Discharge Monitoring Report (DMR) is not required for these monitoring wells.

* Units shall be as designated in 33CSR1 Appendix I. Where not designated, the permittee shall use the appropriate concentration-based units as provided by the approved method of analysis. Specific conductance shall be reported in umhos/cm.

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the provisions for waste treatment and the discharge limitations specified in this permit in accordance with the following schedule:

On or before 3/1/2026

The permittee shall prepare and implement a stormwater pollution prevention plan (SWPPP) for the site. The SWPPP shall be prepared in accordance with good engineering practices. The SWPPP shall identify potential sources of pollution, which may reasonably be expected to affect the quality of storm water discharges associated with the industrial activity. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with the solid waste handling activities at the facility and to assure compliance with the terms and conditions of this permit. A copy of this document shall be retained at the site for review upon request.

On or before 6/1/2026

The permittee shall establish statistical backgrounds and groundwater standards at wells MW-1, MW-4R, and MW-5 for aluminum, antimony, arsenic, barium, beryllium, boron, calcium, chloride, chromium, cobalt, copper, fluoride, iron, lead, magnesium, manganese, molybdenum, nickel, nitrate, nitrogen-ammonia, phenolics, potassium, sodium, sulfate, vanadium, and zinc. Groundwater standards shall be incorporated into the permit via a major permit modification application.

On or before 12/1/2026

The permittee shall complete an assessment on the usability of upgradient well MW-6R. Once the assessment is complete, the permittee shall determine if the upgradient well is usable per 33 CSR 1, Section 4.11 or needs to be repaired or replaced.

2. Reports of compliance or noncompliance with, and progress reports on the interim and final requirements contained in the above compliance schedule, shall be submitted no later than 14 days following each scheduled date.

C. OTHER REQUIREMENTS

1. The herein-described treatment works, structures, electrical and mechanical equipment shall be adequately protected from physical damage by the maximum expected one hundred (100) year flood level and operability be maintained during the twenty-five (25) year flood level.
2. The entire leachate treatment/ storage facility shall be adequately protected by fencing.
3. This permit does not permit direct discharge of leachate to the waters of the State. All leachate is to be directed to the Wheeling Water Pollution Control Division (WV/NPDES Sewage Permit No. WV0023230, Permit #0013) and must not exceed the pretreatment requirements as set forth by the modification of the Wheeling WPCD's Wastewater Treatment Plant WV/NPDES permit. If for any reason the above referenced facilities can no longer accept leachate from this facility, the permittee shall notify the Director of the Division of Water and Waste Management with the name and location of this alternate site within 15 calendar days. A plan for the permanent collection, disposal, and treatment of the leachate shall be submitted within thirty (30) days.

If the plan includes disposal at a different Publicly Owned Treatment Works (POTW) than listed above, the permittee shall provide documentation that an industrial user application has been submitted by the permittee to the new receiving facility's NPDES Permit. Upon regulatory approval of the acceptance, the permittee shall incorporate the change into this permit via a minor permit modification application within sixty (60) days of approval.

If the permittee intends to discharge directly to Waters of the State, the permittee shall apply for a major modification to this permit.

If the disposal will ultimately be performed at a facility of type not listed above (i.e., industrial NPDES facility, hazardous waste management facility, etc.) the permittee shall provide documentation of the approval of acceptance of the leachate by the receiving facility within the thirty (30) day notification.

4. Leachate Storage

Leachate storage facilities shall be capable of storing a volume equal to 30 days of the average leachate flow.

The permittee shall evaluate the leachate flow monthly. When the average of four (4) consecutive monthly flows indicates that there is an insufficient volume of leachate storage, the permittee shall submit plans to increase the volume of leachate storage.

5. A normal operational level within the leachate pond will be maintained so as to allow a freeboard storage capacity equal to 15 days of the average leachate flow, this level shall be clearly marked in the basin. If the level in the pond exceeds this normal operating level the operator shall notify the Director of the Division of Water and Waste Management within 24 hours and inform him/her of the actions that will be taken to restore the tank to the operational level.
6. The stormwater sediment basins will serve a maximum disturbed area of 124 acres.

7. The permittee shall submit every 6 months according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration and/or quantities the values of the constituents listed in Section A analytically determined to be in the effluent (s). Additional information pertaining to effluent monitoring and reporting can be found in Section III of Appendix A.
8. The required DMRs should be received no later than 25 days following the end of the reporting period and be addressed to:

| | | |
|-------------------------------------------------|------------|----------------------------------------|
| Division of Water & Waste Management | And | Environmental Enforcement |
| 601 57th Street | | 131 A Peninsula Street |
| Charleston, West Virginia 25304 | | Wheeling, West Virginia 26003 |
| Attention: Solid Waste Management Unit | | Attention: Inspector Supervisor |
| (Office of Waste Management) | | |

9. The following stormwater requirements apply to Outlet(s) 002 and 003:
 - 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. Each outlet shall be monitored separately (as applicable).
 - 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 continue, and storm water pollution prevention practices shall be revised or implemented. A letter stating the revised and implemented stormwater pollution prevention practices shall be submitted to the Solid Waste Management Unit no later than 30 days following the end of the reporting period and be addressed as described in requirement C-8 of this permit.

| Parameter | Benchmark Concentrations | Units |
|-------------------|--------------------------|-------|
| BOD ₅ | 30 | mg/l |
| COD | 120 | mg/l |
| NH ₃ N | 4 | mg/l |
| TSS | 100 | mg/l |
| Zinc | 0.12 | mg/l |
| Chlorides | 860 | mg/l |

- d. Unless also imposed in Section A of this permit, the benchmark concentrations listed above are not effluent limitations and shall not be interpreted or adopted as such.
 - e. Compliance with the Stormwater Benchmark Concentrations does not relieve the permittee from implementing their pollution prevention plan. **All leachate must be collected in the leachate collection system and treated.**
10. The landfill shall have and implement a seep management plan. This seep management plan shall contain at a minimum the following:
- a. The landfill operator shall place a stake at all seeps as soon as they are identified. The stake must be clearly labeled with an identification number. Once the seeps have been repaired the stakes may be removed.
 - b. Maintain a log book onsite that includes; at a minimum, the Date the seep was identified, a seep identification number, the location of the seep, and an estimated date to complete repair of the seep, completion date of the seep repair, how the seep was repaired.
 - c. All seeps shall be repaired as soon as possible
 - d. If there is evidence indicating potential or realized impacts on water quality due to any discharge associated with any activity covered by the permit, the permit may be promptly modified and/or reissued to include effluent limitations and/or other requirements to control such discharges.
12. 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 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.

| Parameter | EPA Method |
|------------------------|-------------------|
| Total Recoverable Zinc | 200.8 |

Any “not detected (ND)” sampling result obtained by the permittee must be “ND” at the method detection limit (MDL) for the test method used for that parameter and shall be reported on the DMR as less than the MDL used (<MDL). The permittee shall not report a sampling result as Zero or “ND” or report the result as less than a minimum level (ML), reporting limit (RL), or practical quantitation limit (PQL). When averaging values of analytical results for DMR reporting purposes for monthly averages, the permittee should use the actual analytical results when these results are greater than or equal to the MDL and should use zero (0) when these results are less than the MDL. If all analytical results are non-detect at the MDL (<MDL), then the permittee should use the actual MDL in the calculation for averaging and report the result as less than the average calculation.

D. GROUNDWATER MONITORING

1. Monitoring Well Reporting

- a. The permittee shall submit semi-annual Groundwater Monitoring Well Reports indicating in terms of concentration the values of the constituents monitored in Section A. A minimum of one hundred twenty (120) days shall transpire between sampling events. If concentration levels are found to be below method detection limits, so note and report the specific method detection limit.
- b. Water levels shall be obtained prior to pumping or sampling using the wetted tape method or an electronic detector.
- c. Stagnant water shall be removed from the well bore prior to sampling so that a representative sample may be obtained. Stagnant water shall be removed at a rate that is no greater than the recovery rate of the well. The water shall be removed from the well bore until a constant (10% over two consecutive measurements) water temperature, pH and Specific Conductance is achieved, unless the well evacuates to dryness. In such cases, the well should be evacuated to dryness once. Upon sufficient recovery, the first sample shall be collected and tested for Temperature, pH, and Specific Conductance. The well shall be re-tested for pH, Temperature, and Specific Conductance after sampling as a measure of purging efficiency and as a check on the stability of the water samples over time. Values for pH, Temperature, and Specific Conductance obtained during purging shall be retained as stated in Section III.6 of Appendix A.
- d. The permittee shall annually determine the groundwater flow rate and direction in the uppermost significant aquifer with the results of the determination being submitted with the annual report.
- e. The permittee shall establish background groundwater quality for each of the monitoring parameters indicated in Appendix I of 33 CSR 1. The minimum number of samples used to establish background groundwater quality must be consistent with appropriate statistical procedures described in this Section.
- f. The permittee shall determine whether there is a statistically significant increase over background levels for each parameter in Section A of this permit less pH, Total Suspended Solids, Specific Conductance and Temperature. To determine such, the permittee shall compare groundwater quality in downgradient monitoring wells MW-1 and MW-4R; and MW-5 to statistical background based on intrawell statistics per Section D.2.a. Said statistical determinations shall be submitted concurrently with the semi-annual Monitoring Well Report. If the permittee determines that there is a statistically significant increase over background for any parameter less pH, Total Suspended Solids, Specific Conductance, and Temperature, the permittee shall indicate concurrent with the submission of the Monitoring Well Report which parameters have shown the statistically significant increase and comply with the requirements of Section 4.11.b.4 of 33 CSR 1, Solid Waste Management Rule.

Parameters from Appendix I or Appendix II that are being excluded from the Phase II assessments are: biological oxygen demand, chemical oxygen demand, pH, specific conductance, total dissolved solids, total organic carbon, and turbidity.

- g. The permittee must employ one of the following statistical procedures in combination with the appropriate sampling requirements to determine a statistically significant increase:
 - i. A parametric analysis of variance (ANOVA) followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The procedure must include estimation and testing of the contrasts between each down gradient well's mean and the background mean level for each constituent,
 - ii. An analysis of variance based on ranks followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The procedure must include estimation and testing of the contrasts between each down gradient well's mean and the background mean level for each constituent,
 - iii. Tolerance or prediction interval procedure in which a tolerance interval for each constituent is established from the distribution of the background data, and the level of each constituent is established from the distribution of the background data, and the level of each constituent in each down gradient well is compared to the upper tolerance or prediction limit; or
 - iv. A control chart approach that gives control limits for each constituent.
- h. The Director may establish an alternative sampling procedure and statistical test for any of the constituents listed in the permit, as required to protect human health and the environment.
- i. If there is a statistically significant increase over background concentrations for any groundwater parameter less pH, Total Suspended Solids, Specific Conductance, and Temperature, the permittee must do the following:
 - i. Within fourteen (14) days, place a notice in the operating record indicating which constituents have shown statistically significant changes from background levels and notify the Secretary that this notice was placed in the operating record.
 - ii. Within a thirty (30) day period of said finding, the permittee shall repeat the sampling of the groundwater in the appropriate monitoring well(s) in accordance with the requirements of this permit.
 - iii. If the repeat sampling indicates that there is not a statistically significant increase over the background for the respective pollutant, the permittee shall continue sampling as required by this permit.
 - iv. If the repeat sampling confirms that a statistically significant increase over background levels has occurred, the permittee must establish and implement a

Phase II assessment monitoring program meeting the requirements of 33 CSR 1, Section 4.11.c within ninety (90) days of said confirmation.

- v. If the concentrations of all Phase II constituents are shown to be at or below background values, using the statistical procedures described above for two consecutive sampling events, the permittee must notify the Secretary of this finding and may return to Phase I detection monitoring.
 - vi. If the concentrations of any Phase II constituents are above background values, but all concentrations are below the groundwater protection standards, using the statistical procedures described above, the permittee must continue assessment monitoring in accordance with Phase II requirements.
 - j. The permittee shall not cause a statistically significant increase over the limitations (groundwater standards) for the monitoring wells listed in Section D.2.b. Should a limitation be exceeded, the permittee shall provide the following:
 - i. Within ninety (90) days of a finding that any of the constituents listed in the permit have been detected at a statistically significant level exceeding the groundwater protection standards, the permittee must initiate an assessment of corrective measures in accordance with 33 CSR 1, Section 4.11.e.
 - ii. Based on the results of the corrective measures assessment conducted pursuant to 33 CSR 1, Section 4.11.e, the permittee must select a remedy that, at a minimum, meets the standards listed in 33 CSR 1, Sections 4.11.f.2 and 4.11.f.3. The permittee must notify the Secretary, within fourteen (14) days of selecting a remedy, by sending him or her a report describing the selected remedy, stating that it has been placed in the operating record, and describing how it meets the standards in 33 CSR 1, Sections 4.11.f.2 and 4.11.f.3. Further, the permittee shall specify as part of the selected remedy a schedule(s) for initiating and completing remedial activities in accordance with 33 CSR 1, Section 4.11.f.4.
 - iii. The Secretary may determine that remediation of a Phase II constituent is not necessary if the permittee can successfully demonstrate to the Secretary conditions found in 33 CSR 1, Section 4.11.f.5. However, any determination by the Secretary pursuant to 33 CSR 1, Section 4.11.f.5 cannot affect the authority of the state to require the permittee to undertake source control measures or other measures that may be necessary to eliminate or minimize further releases to the groundwater, to prevent exposure to the groundwater, or to remediate the groundwater to concentrations that are technically practicable and significantly reduce threats to human health or the environment.
 - iv. In accordance with 33 CSR 1, Section 4.11.g, the permittee shall implement the corrective action program based on the schedule required by 33 CSR 1, Sections 4.11.f.4 and 4.11.g.
2. Based on a review of the historic Groundwater Monitoring Program at the site, the following monitoring wells / parameters shall be monitored under the following Phase per 33 CSR 1, Section 4.11:

a. DETECTION PROGRAM - PHASE I

Per 33 CSR 1, Section 4.11.b.4 the permittee shall comply with Section D.1.i upon an exceedance of the respective background in each respective monitoring well. Upon moving a Phase I parameter to Phase II parameter the permittee shall submit a major permit modification to revise Section D of the permit.

- i. The following wells shall be evaluated via intrawell statistics for all parameters in Section A not listed in Section D.2.b:

N/A

- ii. The following wells shall be evaluated via interwell statistics for all parameters in Section A not listed in Section D.2.b:

Downgradient Wells: MW-1; MW-4R; MW-5
 Upgradient Well: MW-6R

b. ASSESSMENT PROGRAM - PHASE II

The following wells / parameters shall be monitored under a Phase II program:

| Monitoring Well | Parameter | Background (mg/l) | MCL (mg/l) |
|----------------------|-----------|-------------------|------------|
| MW-1; MW-4R; MW-5 | Aluminum | NE* | N/A |
| MW-1; MW-4R; MW-5 | Antimony | NE* | 0.006 |
| MW-1; MW-4R; MW-5 | Arsenic | NE* | 0.01 |
| MW-1; MW-4R; MW-5 | Barium | NE* | 2 |
| MW-1; MW-4R; MW-5 | Beryllium | NE* | 0.004 |
| MW-1; MW-4R; MW-5 | Boron | NE* | N/A |
| MW-1; MW-4R; MW-5 | Calcium | NE* | N/A |
| MW-1; MW-4R; MW-5 | Chloride | NE* | N/A |
| MW-1; MW-4R; MW-5 | Chromium | NE* | 0.1 |
| MW-1; MW-4R; MW-5 | Cobalt | NE* | N/A |

| | | | |
|----------------------|------------------------|-----|-------|
| MW-1; MW-4R; MW-5 | Copper | NE* | 1.3 |
| MW-1; MW-4R; MW-5 | Fluoride | NE* | 4 |
| MW-1; MW-4R; MW-5 | Iron | NE* | N/A |
| MW-1; MW-4R; MW-5 | Lead | NE* | 0.015 |
| MW-1; MW-4R; MW-5 | Magnesium | NE* | N/A |
| MW-1; MW-4R; MW-5 | Dissolved Manganese | NE* | N/A |
| MW-1; MW-4R; MW-5 | Molybdenum | NE* | N/A |
| MW-1; MW-4R; MW-5 | Nickel | NE* | N/A |
| MW-1; MW-4R; MW-5 | Nitrate as N | NE* | 10.0 |
| MW-1; MW-4R; MW-5 | Nitrogen, Ammonia | NE* | N/A |
| MW-1; MW-4R; MW-5 | Phenolics | NE* | N/A |
| MW-1; MW-4R; MW-5 | Potassium | NE* | N/A |
| MW-1; MW-4R; MW-5 | Sodium | NE* | N/A |
| MW-1; MW-4R; MW-5 | Sulfate | NE* | N/A |
| MW-1; MW-4R; MW-5 | Vanadium | NE* | N/A |
| MW-1; MW-4R; MW-5 | Zinc | NE* | N/A |

*Not established, see Section B

Per 33 CSR 1, Section 4.11.c.8.B limitations (groundwater standards) have been established in Section A. The permittee shall continue to monitor these wells under a Phase II program. Upon two successive exceedances of a respective limitation in Section A the permittee shall comply with Section D.1.j.

The permittee may request deletion of any of the Appendix I or Appendix II monitoring parameters if it can be shown via contained waste or leachate analysis that the constituents are not present in or derived from the waste contained in the solid waste management unit.

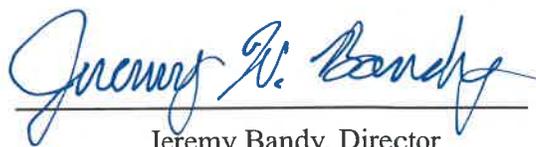
The herein-described activity is to be extended, modified, added to, made, enlarged, acquired, constructed or installed, and operated, used and maintained strictly in accordance with the terms and conditions of this permit (Part I, Part II, and Appendix A), with the plans and specifications submitted with Permit Application No. SWF-5250 / WV0109037; 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. SWF-5250 / WV0109037; 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, and/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.

October 24, 2025

Date of Issuance



Jeremy Bandy, Director

Division of Water and Waste
Management

Appendix A

I. MANAGEMENT CONDITIONS:

1. Duty to Comply

- a) The permittee must comply with all conditions of this permit. Permit noncompliance constitutes a violation of the CWA and State Act and is grounds for enforcement action; for permit modification, revocation and reissuance, suspension or revocation; or for denial of a permit renewal application.
- b) The permittee shall comply with all effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

2. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit at least 180 days prior to expiration of the permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

4. Permit Actions

This permit may be modified, revoked and reissued, suspended, or revoked for cause. The filing of a request by the permittee for permit modification, revocation and reissuance, or revocation, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

6. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified as required in Title 47, Series 10, Section 4.6 of the West Virginia Legislative Rules.

7. Transfers

This permit is not transferrable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary.

8. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable specified time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, suspending, or revoking this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

9. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

10. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- a) Enter upon the permittee's premises in which an effluent source or activity is located, or where records must be kept under the conditions of this permit;
- b) Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;
- c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location.

11. Permit Modification

This permit may be modified, suspended, or revoked in whole or in part during its term in accordance with the provisions of Chapter 22-11-12 of the Code of West Virginia.

12. Water Quality

This discharge shall not cause or materially contribute to: distinctly visible floating or settleable solids, suspended solids, scum, foam or oily slicks; deposits or sludge bank on the bottom; odors in the vicinity of the waters; taste or odor that would adversely affect the designated uses of the affected waters; distinctly visible color which may impair or interfere with the designated uses of the affected waters; and shall not cause a fish or mussel kill. The limitations and conditions in this permit for the discharges identified in this permit are limitations and conditions that are necessary to meet applicable West Virginia water quality standards, Requirements Governing Water Quality Standards 47 CSR 2.

13. Outlet Markers

A permanent marker at the establishment shall be posted in accordance with Title 47, Series 11, Section 9 of the West Virginia Legislative Rules.

14. Liabilities

- a) Any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing sections 301, 302, 306, 307, 308 or 405 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both.
- b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 2 years, or by both.
- c) Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 2 years, or by both.
- d) Nothing in I.14 a), b), and c) shall be construed to limit or prohibit any other authority the Director may have under the State Water Pollution Control Act, Chapter 22, Article 11.

II. OPERATION AND MAINTENANCE:

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. Unless otherwise required by Federal or State law, this provision requires the operation of back-up auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of the permit. For domestic waste treatment facilities, waste treatment operators as classified by the WV Bureau of Public Health Laws, W. Va. Code Chapter 16-1, will be required except that in circumstances where the domestic waste treatment facility is receiving any type of industrial waste, the Director may require a more highly skilled operator.

2. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

3. Bypass

- a) Definitions
 - (1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility; and
 - (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of II.3.c) and II.3.d) of this permit.
- c)
 - (1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass;
 - (2) If the permittee does not know in advance of the need for bypass, notice shall be submitted as required in IV.2.b) of this permit.
- d) Prohibition of bypass
 - (1) Bypass is permitted only under the following conditions, and the Director may take enforcement action against a permittee for a bypass, unless;
 - (A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and
 - (C) The permittee submitted notices as required under II.3.c) of this permit.
 - (2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed in II.3.d.(1) of this permit.

4. Upset

- a) Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitation if the requirements of II.4.c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in IV.2.b) of this permit.
 - (4) The permittee complied with any remedial measures required under I.3. of this permit.
- d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Removed Substances

Where removed substances are not otherwise covered by the terms and conditions of this permit or other existing permit by the Director, any solids, sludges, filter backwash or other pollutants (removed in the course of treatment or control of wastewaters) and which are intended for disposal within the State, shall be disposed of only in a manner and at a site subject to the approval by the Director. If such substances are intended for disposal outside the State or for reuse, i.e., as a material used for making another product, which in turn has another use, the permittee shall notify the Director in writing of the proposed disposal or use of such substances, the identity of the prospective disposer or users, and the intended place of disposal or use, as appropriate.

III. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. Reporting

- a) Permittee shall submit, according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration, and/or quantities, the values of the constituents listed in Part A analytically determined to be in the plant effluent(s). DMR submissions shall be made in accordance with the terms contained in Section C of this permit.
- b) Enter reported average and maximum values under "Quantity" and "Concentration" in the units specified for each parameter, as appropriate.
- c) Specify the number of analyzed samples that exceed the allowable permit conditions in the columns labeled "N.E." (i.e., number exceeding).
- d) Specify frequency of analysis for each parameter as number of analyses/specified period (e.g., 3/month is equivalent to 3 analyses performed every calendar month). If continuous, enter "Cont.". The frequency listed on format is the minimum required.

3. Test Procedures

Samples shall be taken, preserved and analyzed in accordance with the latest edition of 40 CFR Part 136, unless other test procedures have been specified elsewhere in this permit.

4. Recording of Results

For each measurement or sample taken pursuant to the permit, the permittee shall record the following information.

- a) The date, exact place, and time of sampling or measurement;
- b) The date(s) analyses were performed;
- c) The individual(s) who performed the sampling or measurement;
- d) The individual(s) who performed the analyses; if a commercial laboratory is used, the name and address of the laboratory;
- e) The analytical techniques or methods used, and
- f) The results of such analyses. Information not required by the DMR form is not to be submitted to this agency, but is to be retained as required in III.6.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at any monitoring point specified in this permit more frequently than required by this permit, using approved test procedures or others as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.

6. Records Retention

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

7. Definitions

- a) "Daily discharge" means the discharge of a pollutant measured during a calendar day or within any specified period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the day.
- b) "Average monthly discharge limitation" means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
- c) "Maximum daily discharge limitation" means the highest allowable daily discharge.
- d) "Composite Sample" is a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall be two hours.
- e) "Grab Sample" is an individual sample collected in less than 15 minutes.
- f) "is" = immersion stabilization - a calibrated device is immersed in the effluent stream until the reading is stabilized.
- g) The "daily average temperature" means the arithmetic average of temperature measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month, or during the operating month if flows are of shorter duration.
- h) The "daily maximum temperature" means the highest arithmetic average of the temperatures observed for any two (2) consecutive hours during a 24 hour day, or during the operating day if flows are of shorter duration.
- i) The "monthly average fecal coliform" bacteria is the geometric average of all samples collected during the month.
- j) "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or which a relationship to absolute volume has been obtained.
- k) "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to pump capabilities, water meters and batch discharge volumes.
- l) "Non-contact cooling water" means the water that is contained in a leak-free system, i.e., no contact with any gas, liquid, or solid other than the container for transport; the water shall have no net poundage addition of any pollutant over intake water levels, exclusive of approved anti-fouling agents.

IV. OTHER REPORTING

1. Reporting Spills and Accidental Discharges

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to Title 47, Series 11, Section 2 of the West Virginia Legislative Rules promulgated pursuant to Chapter 22, Article 11. Attached is a copy of the West Virginia Spill Alert System for use in complying with Title 47, Series 11, Section 2 of the Legislative rules as they pertain to the reporting of spills and accidental discharges.

2. Immediate Reporting

- a) The permittee shall report any noncompliance which may endanger health or the environment immediately after becoming aware of the circumstances by using the Agency's designated spill alert telephone number. A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- b) The following shall also be reported immediately:
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Any upset which exceeds any effluent limitation in the permit; and
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit shall be reported immediately. This list shall include any toxic pollutant or hazardous substance, or any pollutant specifically identified as the method to control a toxic pollutant or hazardous substance.
- c) The Director may waive the written report on a case-by-case basis if the oral report has been received in accordance with the above.
- d) Compliance with the requirements of IV.2 of this section, shall not relieve a person of compliance with Title 47, Series 11, Section 2.

3. Reporting Requirements

- a) **Planned changes.** The permittee shall give notice to the Director of any planned physical alterations or additions to the permitted facility which may affect the nature or quantity of the discharge. Notice is required when:
 - (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in Section 13.7.b of Series 10, Title 47; or
 - (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under IV.2 of this section.
- b) **Anticipated noncompliance.** The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- c) **In addition to the above reporting requirements, all existing manufacturing, commercial, and silvicultural discharges must notify the Director in writing as soon as they know or have reason to believe:**
 - (1) That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, or any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (A) One hundred micrograms per liter (100 ug/l);
 - (B) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitro phenol; and for 2-methyl 4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
 - (C) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.9 of Series 10, Title 47.
 - (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47;
 - (2) That any activity has occurred or will occur which would result in any discharge (on a non-routine or infrequent basis) of a toxic which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (A) Five hundred micrograms per liter (500 ug/l);
 - (B) One milligram per liter (1 mg/l) for antimony;
 - (C) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with Section 4.4.b.7 of Series 10, Title 47;
 - (D) The level established by the Director in accordance with Section 6.3.g of Series 10, Title 47.
 - (3) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a routine or frequent basis of that toxic pollutant at levels which exceed five times the detection limit for that pollutant under approved analytical procedure.
 - (4) That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product of any toxic pollutant which was not reported in the permit application under Section 4.4.b.9 of Series 10, Title 47 and which will result in the discharge on a non-routine or infrequent basis of that toxic pollutant at levels which exceed ten times the detection limit for that pollutant under approved analytical procedure.

4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under the above paragraphs at the time monitoring reports are submitted. The reports shall contain the information listed in IV.2.a). Should other applicable noncompliance reporting be required, these terms and conditions will be found in Section C of this permit.

**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT**

FACILITY NAME: City of Wheeling Sanitary Landfill
 LOCATION OF FACILITY: US Route 40, 1.5 miles north on Mt Wood Rd
 PERMIT NUMBER: SWC-5250/WV0109037 OUTLET NO.: 001
 WASTELOAD FOR MONTH OF: 20

COMMERCIAL LABORATORY NAME: _____
 COMMERCIAL LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

| Parameter | | Quantity | | | | | Other Units | | | | | Measurement Frequency | Sample Type | |
|-----------------------------|-------------------|----------|-------------|-----------|-------|------|--------------|--------------|--------------|-------|------|-----------------------|-------------|----------|
| | | Minimum | Avg Monthly | Max Daily | Units | N.E. | Minimum | Avg Monthly | Max Daily | Units | N.E. | | | |
| Flow 50050 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | | MGD | | 1/ 6 Month | Estimate |
| TSS 00530 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | | mg/l | | 1/ 6 Month | Grab |
| BOD ₅ 00310 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | | mg/l | | 1/ 6 Month | Grab |
| COD 00340 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | | mg/l | | 1/ 6 Month | Grab |
| pH 00400 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | Monitor Only | | Monitor Only | | SU | | 1/ 6 Month | Grab |
| NH ₃ -N 34726 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | | mg/l | | 1/ 6 Month | Grab |
| Chloride 00940 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | | mg/l | | 1/ 6 Month | Grab |

| | | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Name of Principal Exec. Officer | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | Date Completed |
| | | |
| Title of Officer | | Signature of Principal Exec. Officer or Auth. Agent |
| | | |

**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT**

FACILITY NAME: City of Wheeling Sanitary Landfill
 LOCATION OF FACILITY: US Route 40, 1.5 miles north on Mt Wood Rd
 PERMIT NUMBER: SWC-5250/WV0109037 OUTLET NO.: 001
 WASTELOAD FOR MONTH OF: 20

COMMERCIAL LABORATORY NAME: _____
 COMMERCIAL LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

| Parameter | | Quantity | | | | | Other Units | | | | | Measurement Frequency | Sample Type | |
|--------------------------|-------------------|----------|-------------|-----------|-------|------|-------------|--------------|--------------|-------|------|-----------------------|-------------|--|
| | | Minimum | Avg Monthly | Max Daily | Units | N.E. | Minimum | Avg Monthly | Max Daily | Units | N.E. | | | |
| Aluminum 01104 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1 / 6 Month | Grab | |
| Zinc 01094 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1 / 6 Month | Grab | |
| Oil & Grease 00556 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
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| | Permit Limitation | | | | | | | | | | | | | |

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| <u>Name of Principal Exec. Officer</u> | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | <u>Date Completed</u> |
| <u>Title of Officer</u> | | |
| | | <u>Signature of Principal Exec. Officer or Auth. Agent</u> |
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**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT**

FACILITY NAME: City of Wheeling Sanitary Landfill
 LOCATION OF FACILITY: US Route 40, 1.5 miles north on Mt Wood Rd
 PERMIT NUMBER: SWC-5250/WV0109037 OUTLET NO.: 002
 WASTELOAD FOR MONTH OF: 20

COMMERCIAL LABORATORY NAME: _____
 COMMERCIAL LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

| Parameter | | Quantity | | | | | Other Units | | | | | Measurement Frequency | Sample Type | |
|-----------------------------|-------------------|----------|-------------|-----------|-------|------|--------------|--------------|--------------|-------|------|-----------------------|-------------|--|
| | | Minimum | Avg Monthly | Max Daily | Units | N.E. | Minimum | Avg Monthly | Max Daily | Units | N.E. | | | |
| Flow 50050 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | MGD | | 1/ 6 Month | Estimate | |
| TSS 00530 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1/ 6 Month | Grab | |
| BOD ₅ 00310 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1/ 6 Month | Grab | |
| COD 00340 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1/ 6 Month | Grab | |
| pH 00400 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | Monitor Only | | Monitor Only | SU | | 1/ 6 Month | Grab | |
| NH ₃ -N 34726 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1/ 6 Month | Grab | |
| Chloride 00940 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1/ 6 Month | Grab | |

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|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Name of Principal Exec. Officer | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | Date Completed |
| Title of Officer | | Signature of Principal Exec. Officer or Auth. Agent |
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**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT**

FACILITY NAME: City of Wheeling Sanitary Landfill
 LOCATION OF FACILITY: US Route 40, 1.5 miles north on Mt Wood Rd
 PERMIT NUMBER: SWC-5250/WV0109037 OUTLET NO.: 002
 WASTELOAD FOR MONTH OF: 20

COMMERCIAL LABORATORY NAME: _____
 COMMERCIAL LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

| Parameter | | Quantity | | | | | Other Units | | | | | Measurement Frequency | Sample Type | |
|--------------------------|-------------------|----------|-------------|-----------|-------|------|-------------|--------------|--------------|-------|------|-----------------------|-------------|------|
| | | Minimum | Avg Monthly | Max Daily | Units | N.E. | Minimum | Avg Monthly | Max Daily | Units | N.E. | | | |
| Aluminum 01104 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | | 1 / 6 Month | Grab |
| Zinc 01094 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | | 1 / 6 Month | Grab |
| Oil & Grease 00556 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |

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| Name of Principal Exec. Officer | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | Date Completed |
| Title of Officer | | Signature of Principal Exec. Officer or Auth. Agent |
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**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT**

FACILITY NAME: City of Wheeling Sanitary Landfill
 LOCATION OF FACILITY: US Route 40, 1.5 miles north on Mt Wood Rd
 PERMIT NUMBER: SWC-5250/WV0109037 OUTLET NO.: 003
 WASTELOAD FOR MONTH OF: 20

COMMERCIAL LABORATORY NAME: _____
 COMMERCIAL LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

| Parameter | | Quantity | | | | | Other Units | | | | | Measurement Frequency | Sample Type | |
|-----------------------------|-------------------|----------|-------------|-----------|-------|------|--------------|--------------|-----------|-------|------|-----------------------|-------------|----------|
| | | Minimum | Avg Monthly | Max Daily | Units | N.E. | Minimum | Avg Monthly | Max Daily | Units | N.E. | | | |
| Flow 50050 | Reported | | | | | | | | | | | MGD | 1/ 6 Month | Estimate |
| | Permit Limitation | | | | | | Monitor Only | Monitor Only | | | | | | |
| TSS 00530 | Reported | | | | | | | | | | | mg/l | 1/ 6 Month | Grab |
| | Permit Limitation | | | | | | Monitor Only | Monitor Only | | | | | | |
| BOD ₅ 00310 | Reported | | | | | | | | | | | mg/l | 1/ 6 Month | Grab |
| | Permit Limitation | | | | | | Monitor Only | Monitor Only | | | | | | |
| COD 00340 | Reported | | | | | | | | | | | mg/l | 1/ 6 Month | Grab |
| | Permit Limitation | | | | | | Monitor Only | Monitor Only | | | | | | |
| pH 00400 | Reported | | | | | | | | | | | SU | 1/ 6 Month | Grab |
| | Permit Limitation | | | | | | Monitor Only | Monitor Only | | | | | | |
| NH ₃ -N 34726 | Reported | | | | | | | | | | | mg/l | 1/ 6 Month | Grab |
| | Permit Limitation | | | | | | Monitor Only | Monitor Only | | | | | | |
| Chloride 00940 | Reported | | | | | | | | | | | mg/l | 1/ 6 Month | Grab |
| | Permit Limitation | | | | | | Monitor Only | Monitor Only | | | | | | |

| | | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Name of Principal Exec. Officer | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | Date Completed |
| | | |
| Title of Officer | | Signature of Principal Exec. Officer or Auth. Agent |
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**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT**

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 LOCATION OF FACILITY: US Route 40, 1.5 miles north on Mt Wood Rd
 PERMIT NUMBER: SWC-5250/WV0109037 OUTLET NO.: 003
 WASTELOAD FOR MONTH OF: 20

COMMERCIAL LABORATORY NAME: _____
 COMMERCIAL LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

| Parameter | | Quantity | | | | | Other Units | | | | | Measurement Frequency | Sample Type | |
|--------------------------|-------------------|----------|-------------|-----------|-------|------|-------------|--------------|--------------|-------|------|-----------------------|-------------|--|
| | | Minimum | Avg Monthly | Max Daily | Units | N.E. | Minimum | Avg Monthly | Max Daily | Units | N.E. | | | |
| Aluminum 01104 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1 / 6 Month | Grab | |
| Zinc 01094 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | Monitor Only | mg/l | | 1 / 6 Month | Grab | |
| Oil & Grease 00556 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
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| | Permit Limitation | | | | | | | | | | | | | |

| | | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Name of Principal Exec. Officer | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | Date Completed |
| Title of Officer | | Signature of Principal Exec. Officer or Auth. Agent |

**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT**

FACILITY NAME: City of Wheeling Sanitary Landfill
 LOCATION OF FACILITY: US Route 40, 1.5 miles north on Mt Wood Rd
 PERMIT NUMBER: SWC-5250/WV0109037 OUTLET NO.: 099
 WASTELOAD FOR MONTH OF: 20

COMMERCIAL LABORATORY NAME: _____
 COMMERCIAL LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

| Parameter | | Quantity | | | | | Other Units | | | | | Measurement Frequency | Sample Type | |
|---------------|-------------------|----------|-------------|-----------|-------|------|-------------|--------------|-----------|-------|------|-----------------------|-------------|----------|
| | | Minimum | Avg Monthly | Max Daily | Units | N.E. | Minimum | Avg Monthly | Max Daily | Units | N.E. | | | |
| Flow 50050 | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | Monitor Only | | MGD | | | Continuous | Measured |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |
| | Reported | | | | | | | | | | | | | |
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| | Reported | | | | | | | | | | | | | |
| | Permit Limitation | | | | | | | | | | | | | |

| | | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Name of Principal Exec. Officer | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | Date Completed |
| Title of Officer | | |
| | | Signature of Principal Exec. Officer or Auth. Agent |
| | | |

**EMERGENCY RESPONSE SPILL ALERT SYSTEM
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

REQUIREMENTS:

Title 47, Series 11, Section 2 of the West Virginia Legislative Rules, Environmental Protection, Water Resources - Waste Management, Effective July 1, 1994.

RESPONSIBILITY FOR REPORTING:

Each and every person who may cause or be responsible for any spill or accidental discharge of pollutants into the waters of the State shall give immediate notification to the Division of Water and Waste Management's Emergency Notification Number, 1-800-642-3074. Such notification shall set forth insofar as possible and as soon thereafter as practical the time and place of such spill or discharge, type or types and quantity or quantities of the material or materials therein, action or actions taken to stop such spill or discharge and to minimize the polluting effect thereof, the measure or measures taken or to be taken in order to prevent a recurrence of any such spill or discharge and such additional information as may be requested by the Division of Water and Waste Management. This also applies to spills to the waters of the State resulting from accidents to common carriers by highway, rail and water.

It shall be the responsibility of each industrial establishment or other entity discharging directly to a stream to have available the following information pertaining to those substances that are employed or handled in its operation in sufficiently large amounts as to constitute a hazard in case of an accidental spill or discharge into a public stream:

- (1) Potential toxicity in water to man, animals and aquatic life;
- (2) Details on analytical procedures for the quantitative estimation of such substances in water and
- (3) Suggestions on safeguards or other precautionary measures to nullify the toxic effects of a substance once it has gotten into a stream.

Failure to furnish such information as required by Section 14, Article 11, Chapter 22, Code of West Virginia may be punishable under Section 24, Article 11, Chapter 22, and/or Section 22, Article 11, Chapter 22, Code of West Virginia.

It shall be the responsibility of any person who causes or contributes in any way to the spill or accidental discharge of any pollutant or pollutants into State waters to immediately take any and all measures necessary to contain such spill or discharge. It shall further be the responsibility of such person to take any and all measures necessary to clean-up, remove and otherwise render such spill or discharge harmless to the waters of the State.

When the Director determines it necessary for the effective containment and abatement of spills and accidental discharges, the Director may require the person or persons responsible for such spill or discharge to monitor affected waters in a manner prescribed by the Director until the possibility of any adverse effect on the waters of the State no longer exists.

VOLUNTARY REPORTING BY LAW OFFICERS, U. S. COAST GUARD, LOCK MASTERS AND OTHERS:

In cases involving river and highway accidents where the responsible party may or may not be available to report the incident, law officers, U. S. Coast Guard, Lock Masters and other interested person(s) should make the report.

WHO TO CONTACT:

Notify the following number: **1-800-642-3074**

INFORMATION NEEDED:

- | | |
|----------------------------------------------|---------------------------------------|
| - Source of spill or discharge | - Personnel at the scene |
| - Location of incident | - Actions initiated |
| - Time of incident | - Shipper/Manufacturer identification |
| - Material spilled or discharged | - Railcar/Truck identification number |
| - Amount spilled or discharged | - Container type |
| - Toxicity of material spilled or discharged | |

RIGHT OF APPEAL

Notice is hereby given of your right to appeal the terms and conditions of this permit which you are aggrieved by to the Environmental Quality Board by filing a NOTICE OF APPEAL on the form prescribed by such Board for this purpose, with the Board, in accordance with the provisions of Section 21, Article 11, Chapter 22 of the Code of West Virginia within thirty (30) days after the date of receipt of the above permit.

CERTIFICATE OF SERVICE:

I, Rosemary Humway-Warmuth, City Solicitor do hereby certify that I emailed the Notice of Appeal to the Environmental Quality Board on November 24, 2025, and sent the Notice by Regular and Certified Mail the same day. On this day being December 2, 2025, I am serving the attached Notice of Appeal to all parties in Appeal no. 25-13-EQB, as follows: by United States Mail, postage prepaid:

Kenna DeRaimo, Clerk
Environmental Quality Board
601 57th Street, SE
Charleston, WV 25304

(WVDEP - OFFICE OF LEGAL SERVICES)
601 57th Street, SE
Charleston, WV 25304

(DIRECTOR, DIVISION OF WATER AND WASTE MANAGEMENT)
601 57th Street, SE
Charleston, WV 25304



Rosemary Humway-Warmuth
City Solicitor
W.Va. Bar #6693
City of Wheeling
Office of the City Solicitor
1500 Chapline Street
Wheeling, WV 26003
(304) 234-3736



CITY OF WHEELING
 OFFICE OF THE CITY MANAGER
 1500 CHAPLINE STREET
 WHEELING, WV 26003

RECEIVED

DEC 1 2025

Environmental Quality
 Board

WV DEP
 601 57th St. SE
 Charleston, WV 25304

CERTIFIED MAIL



9589 0710 5270 2400 8347 01



CITY OF WHEELING
 OFFICE OF THE CITY MANAGER
 1500 CHAPLINE STREET
 WHEELING, WV 26003

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DEC 8 2025

AIR QUALITY BOARD

WV DEP
 601 57th St. SE
 Charleston, WV 25304

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 FIRST-CLASS

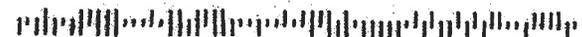


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Wheeling WV 26008

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Board

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Kenna DeRaimo
Environmental Quality Board
601 57th St., SE
Charleston, WV 25304



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Environmental Quality Board

*Kenna DeRaimo, Clerk
 Environmental Quality Board
 601 5th St. SE
 Charleston, WV 25304*

