

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

**Permit  
For  
Solid Waste Disposal and/or Processing Facility  
FORM NO. 8**

Permit No. 101678  
Date Issued December 28, 2020  
Date Expires December 28, 2030  
Date Revised \_\_\_\_\_

Under the provisions of the Pennsylvania Solid Waste Management Act of July 7, 1980, Act 97, a permit for a solid waste disposal and/or processing at (municipality) Pine and Liberty Township in the County of Mercer is granted to (applicant) Mailing Address: Tri-County Landfill Site Address: 159 TCI Park Drive (address) 159 TCI Park Drive Grove City, PA 16127  
Grove City, PA 16127

This permit is applicable to the facility named as Tri-County Landfill and described as:

Latitude: 41° 08' 35"  
Longitude: 80° 08' 02"

This permit is subject to modification, amendment and supplement by the Department of Environmental Protection and is further subject to revocation or suspension by the Department of Environmental Protection for any violation of the applicable laws or the rules and regulations adopted thereunder, for failure to comply in whole or in part with the conditions of this permit and the provisions set forth in the application no. 101678 which is made a part hereof, or for causing any condition inimical to the public health, safety or welfare.

See attachment for waste limitations and/or special conditions



**FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION**

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**Section A – Site/Application Information**

1. This permit is issued for the construction and operation of the Municipal Waste Landfill identified as the “Tri-County Landfill” pursuant to the following information:
  - A. Application for a Major Permit Modification Replacement Application received December 17, 2018, and revised July 25, 2019, February 10, 2020, May 6, 2020, May 22, 2020 and June 19, 2020. The application was comprised of the following forms:
    - a. Form A, B, B1, D, E, F, G(A), G(B), H, I, J, K, L, MRW-C, P, Q, R, X, 1, 2, 3, 6, 7, 8, 11, 12, 14, 18, 19, 24, 25, 28, 45, 46, and 54.
    - b. Phase II drawings 094D001A – 094D0010 under cover received December 17, 2018 and revisions to the cover and drawings 094D004A, 094D004B, D094D014, and 094D009A received February 10, 2020. As well as drawing VOG18012D001 received June 19, 2020.
  - B. The application referenced in Section A(1) above contained two options for construction of the landfill. Only Option 1 was reviewed and approved. Option 1 limits the final height of the landfill in Pine Township to 1360 feet and the final height in Liberty Township to 1353.4 feet. Option 2, which requested a higher final elevation is not approved as part of this permit.

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Additional Permit Modification:

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Where there is a conflict between an earlier and a later dated submittal, the later dated submittal shall take precedence.

This permit is based on the assumption that the information submitted in the application as identified above is accurate and that the facility will be constructed and/or operated as specified in the application. Any inaccuracies found in this information may be grounds for revocation or modification of this permit and potential enforcement action. The permittee must inform the Department of any deviation from a change in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

2. All amendments or modifications to this permit shall be issued by the Department in writing. Such amendments shall be attached hereto and shall become effective on the date specified thereupon.
3. This permit is issued with a facility boundary and a waste disposal boundary as delineated on Sheets 094D010 of the design plans dated August 17, 2018.
4. No more than 4,000 tons of solid waste may be received at this facility for disposal on any single operating day. 4,000 tons per day represents the maximum and average daily volume of the facility, pursuant to Section 1112 of Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act, 53 P.S. Section 4000.1112, and has been set after consideration of weather, seasonal variations, community clean-up days, and other factors. Section 1112 provides that a mandatory civil penalty of \$100 per ton applies to any excess volume received for disposal at this facility for any reason. Any penalty shall be calculated by the Department after determining the total tonnage of solid waste received for disposal at this facility during the calendar year quarter, divided by the number of permitted operating days that the facility is permitted to accept waste for disposal during that quarter. Each partial operating day shall be considered as one (1) operating day.

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5. Pursuant to Section 1111 of Act 101, municipal waste processing and disposal capacity for Pine Township, Liberty Township, and Mercer County will be reserved as described in the agreements between the municipalities and the landfill should an agreement between the landfill and municipalities be reached.

6. This facility is permitted to accept waste on six days during the week. The permitted days, hours of operation and disposal hours by waste type are:

Monday through Saturday: 12:00 A.M. to 11:59 P.M.

Non-putrescible waste disposal hours: 12:00 A.M to 11:59 P.M.

Putrescible waste disposal hours: One hour after sunset to one hour before sunrise

Pursuant to Section 304(b)(2) of the Municipal Waste Planning, Recycling and Waste Reduction Act, 53 P.S. Section 4000.304(b)(2), the host municipality may adopt reasonable ordinances concerning the hours and days during which vehicles may deliver waste to the facility, and the routing of traffic on public roads to the facility. For purposes of the calculation of the average or maximum daily volumes, each partial operating day shall be counted as one (1) day.

7. This facility is permitted to relocate waste, perform construction of the landfill, and other support operations 24 hours per day, 7 days per week.

8. Tri-County Industry Trucks and other trucks owned by Vogel Holdings containing putrescible waste may use the existing parking area to stage waste during the day while they await disposal at night as described in Attachment 14-1. No more than 20 trucks may be staged at one time. Vehicles staged will be inspected daily for damaged tarps and leaking loads. Damaged tarps or leaking loads must be addressed immediately.

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**Section B – General Conditions**

1. If there is a conflict between the application, its support documents and/or amendments on one hand, the Rules and Regulations and/or Act 97 on the other hand, the Rules and Regulations and the Act shall apply unless a specific condition of this permit authorizes a specific variance to a requirement contained therein.
  
2. Under this permit, the permittee is responsible for the processing and/or disposal operations and the conditions at the site to the extent required by the Pennsylvania Solid Waste Management Act, the Clean Streams Law, the Rules and Regulations promulgated there under, as well as any decisional law interpreting the aforesaid statute and regulations.
  
3. All construction, operation, and procedures shall be in accordance with the application, submittals and supporting documentation, and such application, submittals and supporting documentation are hereby made a part of this permit.
  
4. This permit does not authorize, nor shall be construed to be an approval to discharge industrial waste, including without limitation, any leachate discharge from the permitted area to waters of the Commonwealth, absent a permit from the Bureau of Water Quality Management pursuant to the Clean Streams Law.
  
5. The operator may not cause or allow a point or non-point source discharge of pollution from or on the facility to surface waters of this Commonwealth.
  
6. Nothing in this permit shall be construed to supersede, amend, or authorize violation of, the provisions of any valid and applicable local law, ordinance, or regulation, provided that said local law, ordinance, or regulation is not preempted by the Pennsylvania Solid Waste Management Act, the Act of July 7, 1980, P.L. 380, No. 97, 35 P.S. Section 6018.101 et seq.

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- 7. As a condition of this permit and of the permittee's authority to conduct the activities authorized by this permit, the permittee hereby authorizes and consents to allow authorized representatives of the department, without advance notice or search warrant, upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas or adjacent areas to which solid waste management activities are being or will be conducted. This authorization and consent shall include consent to collect samples of solid waste, water or gases, to take photographs, to take measurements, to perform surveys and other tests, to inspect the method of operation, and to inspect and/or copy documents, books and papers required to be maintained by the Department. This permit condition is referenced in accordance with Sections 608 and 610.7 of the Solid Waste Management Act (Act 97).
- 8. Approval of any plans or facilities herein refers to functional design but does not guarantee stability or operational efficiency. Failure of the measures and facilities herein approved to perform as intended, or as designed, or in compliance with the applicable Rules and Regulations of the Department, for any reason, shall be grounds for the revocation or suspension of this permit. Failure of the permittee to comply with the terms of the permit or conditions, or failure of the permittee to construct or operate the proposed facilities in conformity with the approved plans shall be grounds for the revocation or suspension of this permit.
- 9. Any final operation, design or other plan developed subsequent to permit issuance which exhibits changes in the structures, locations, specifications, or other changes of substance shall be submitted to the Department for subsequent permit action. Any deviation of plans herein approved shall not be implemented before first obtaining a permit amendment or written approval from the Department.



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10. The operator shall submit a certification by a registered Professional Engineer, registered in Pennsylvania, on Form 37 "Certification of Facility Construction Activity" upon completion of each major phase or sequence of construction at the facility in accordance with the approved plans and also in compliance with 25 PA Code 273.203.

- a. Construction of the groundwater monitoring system
- b. Construction of the subbase
- c. Construction of the secondary liner
- d. Construction of the leachate detection zone
- e. Construction of the protective cover and the collection system within the protective cover
- f. Construction of the sedimentation pond
- g. Construction of the leachate treatment and conveyance facility
- h. Construction of the gas management system
- i. Closure
- j. Final Closure

Prior to waste disposal in a newly constructed cell, the applicable certifications shall be approved by the Department in writing.

11. The Department shall be notified at least five (5) business days prior to the commencement of each stage of construction and the acceptance of wastes at the facility.

12. The sump areas of all landfill cells shall be hydrostatically tested or equivalent method to determine the integrity of those areas prior to waste disposal.

13. The horizontal grid control system shall be controlled and tied to a minimum of two (2) mutually visible permanent physical markers or objects located on-site. The vertical control shall be tied to an elevation established for the permanent marker. The permanent marker shall be established prior to construction.

14. The perimeter of the site shall be clearly marked before the beginning of operations. The perimeter of a disposal area shall be clearly marked before the beginning of municipal waste disposal within that area. The perimeter area shall remain identified throughout the life of the site.

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15. This facility shall be operated to prevent and control surface and groundwater pollution. An operator shall operate and maintain necessary surface and groundwater treatment facilities until surface or groundwater pollution from, or on the facility, has been permanently abated.
16. The facility shall be operated to prevent and control surface and groundwater pollution. All erosion and sedimentation control structures shall be constructed, implemented, and maintained as set forth in the plans contained in the application and in full compliance with Chapter 102 of the regulations. No earthmoving or earth disturbance activities may be conducted until the appropriate erosion and sedimentation control measures are constructed and fully operational.
17. Within ninety (90) days after closure of the disposal site, the owner of the property on which a disposal facility is located shall record a notation on the Deed to the facility property--or on some other instrument which is normally examined during the title search that will in perpetuity notify a potential purchaser of the property that the land has been used to dispose of solid waste.
- Additionally, the permittee shall submit to the Department and to the municipality in which the facility is located a survey plat indicating the location and dimension of landfill cells or other disposal areas with respect to permanently surveyed benchmarks. The plat filed with the municipality shall contain a note prominently displayed which states the owner's obligation to restrict disturbance of the site so that post-closure use does not disturb the integrity of or interfere with the proper functioning of any component of the containment or monitoring system.
18. This permit does not authorize the discharge of air emissions unless the Air Quality Control Program has approved the discharge of these emissions.
19. All putrescible waste must be adequately covered with daily cover soil or with approved alternative daily cover prior to one hour before sunrise each day.
20. The top of subgrade elevations for the landfill liner system are depicted on drawing 094D002A dated August 16, 2018, labeled "Top of Subgrade Plan" as prepared by BAI.

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**Section C – Operating Conditions**

1. A copy of the Preparedness, Prevention, and Contingency Plan (PPC Plan) shall be readily available on-site and shall include detailed drawings of the permitted and surrounding areas
2. A daily operational record must be maintained describing the types and amounts of materials processed at the site meeting the requirements of Section 273.311 of the Rules and Regulations
3. Daily and intermediate cover material shall meet the requirements of Sections 273.232 and 273.233 of the Rules and Regulations.
4. Soils to be utilized for final cover material must fall within the USDA textural classes as indicated in Section 273.234 of the Rules and Regulations.
5. An Annual Operations Report shall be submitted to this Department on or before June 30 of each year meeting the requirements of Section 273.313 of the Rules and Regulations.
6. A current certificate of insurance, as specified in §271.374(a) evidencing continuous coverage for public liability insurance as required by §271.371, shall be submitted in conjunction with the annual report form.
7. A written update of the total bond liability under Section 271.331 of the Rules and Regulations must be submitted in conjunction with the annual report form. If additional bond is determined to be necessary, it shall be submitted to the Department within ninety (90) days after the annual report is due.
8. Leachate shall be monitored and analyzed pursuant to Section 273.276 of the Rules and Regulations and Form 50. The volume and flow rate are to be measured on a daily basis.
9. The top six inches of the final layer of intermediate cover (i.e., layer in contact with cap geomembrane) is termed Select Intermediate Cover. The surface of this material will be inspected for smoothness, stability, and coarse fragments exceeding  $\frac{3}{4}$  inch will be removed unless covered by a layer of cap cushion as specified in the Construction Quality Assurance Plan.

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10. This facility may not operate to receive waste unless the operator has established at least one drop-off center for the collection and sale of at least three recyclable materials chosen from the following: clear glass, colored glass, aluminum, steel and bimetallic cans, high-grade office paper, newsprint, corrugated paper and plastics. The drop-off center must be located at the facility or at a location that is easily accessible to substantial numbers of persons generating municipal waste that is processed or disposed of at the facility. The drop-off center shall be operated in compliance with Section 1502(b) of the Municipal Waste Planning, Recycling and Waste Reduction Act, 53 P.S. Section 4000.1502(b).
  
11. A topographic survey of the site must be performed each year and a topographic map of the area utilized the previous year shall be submitted to the Department with the annual operations report form. This map must bear the seal of a Registered Professional Engineer or Surveyor. In addition to the map, the permittee shall provide statistics of the waste volumes received and the remaining waste capacity.
  
12. The relocation of the existing waste shall be completed within the 10-year term of this operating permit. The operator shall implement the waste relocation plan as prescribed in the Form 14, Attachment 14-2 of the permit application.
  
13. The radiation isolation area for the landfill shall be located within the permit area of the Tri-County Transfer Station as delineated on Figure No. X-1 of the Form X.
  
14. The Permittee is prohibited from waste disposal within 100 feet of a property line unless a written waiver has been granted under 25 Pa. Code §273.202 (a)(13) of the Rules and Regulations.
  
15. The gas monitoring probes shall be installed prior to the construction and placement of waste in Cell 3.
  
16. Within 60 days of permit issuance, the operator shall provide contiguous landowners with written notice of their rights for water sampling. Any contiguous land owner water sampling shall be conducted in accordance with Section 1103 of Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act, 53 P.S. §4000.1103.

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17. The Permittee shall install, maintain and implement the procedures outlined in the Form 54 Meteorological Monitoring Plan as specified in Attachment 54-1. The meteorological monitoring equipment shall be installed and functional prior to the commencement of waste disposal in Cell No. 1.
  
18. All electronic waste that falls under the Covered Device Recycling Act, 35 P.S. §§ 6031.101 – 6031.702 (“CDRA”), being sent to a facility in Pennsylvania, must be sent to a recycling facility that has certification by the CDRA to recycle covered devices.
  
19. Electronic devices containing refrigerants including air conditioners, refrigerators, freezers and dehumidifiers must be sent to a recycler having the certifications required under 40 CFR Part 82, Subpart F.
  
20. All electronic waste received and stored at the facility must be stored under a roof or in watertight containers with labels identifying the contents as electronic waste.
  
21. The Permittee shall on a minimum of a quarterly basis inspect the final, intermediate and operational slopes for patterns of concern (i.e. tension cracks, bulging, or non-uniform settlement) as described in Attachment 14-1. The monitoring events shall be documented in the site operational record. Any visual signs of concern shall be reported to the Department immediately.
  
22. The Permittee shall perform a check of the percentage of Low Shear Strength Waste (LSSW) in comparison to total waste receipts on a quarterly basis as described in Attachment 14-1. If the calculated weight fraction of LSSW exceeds 25% the Permittee shall notify the Department and seek guidance and recommendations from a Professional Engineer on how to proceed.

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- 23. The Permittee shall contact Grove City Airport in writing prior to beginning construction of the landfill as described in the FAA’s correspondence with the landfill and contained in the May 6, 2020 submittal to the Department. The Department shall be copied on this correspondence.
- 24. The Permittee shall e-file FAA Form 7460-2, Part 2, Notice of Actual Construction or Alteration to the FAA within 5 days of construction reaching its greatest height.
- 25. The Permittee shall perform a background noise study prior to opening the site as described in Attachment 14-1, Section L of the permit application. A copy of the study shall be submitted to the Department.
- 26. An agreement between the permittee and at least 2 permitted treatment plants capable of accepting and treating the volume of leachate generated by the landfill shall be maintained at all times, unless the permittee receives approval by the Department for an NPDES discharge permit or receives approval from both the Department and an off-site wastewater treatment plant for direct discharge. The Department shall be notified of any changes to the agreements between the landfill and the treatment plants accepting leachate.
- 27. Prior to constructing future disposal cells not currently bonded for the permittee shall submit to the Department for review and approval additional bond sufficient to cover the planned construction.
- 28. The operator shall implement the Bird Control Plan as prescribed in the Form 14, Attachment 14-7 of the permit application.
- 29. Tri-County Landfill in conjunction with a wildlife biologist shall submit a plan to the Department and the FAA for review and approval describing the maximum number of each species of concern that shall be permitted to be within the landfill permit boundary as described in Attachment 14-7, page 11. This plan should be submitted prior to any disposal operations occurring.

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- 30. Tri-County Landfill in conjunction with a wildlife biologist shall submit a plan to the Department and the FAA for review and approval describing the criteria used to determine whether the bird plan has been successful or if modifications are needed as described in Attachment 14-7, page 9. This plan should be submitted prior to any disposal operations occurring.
- 31. Tri-County Landfill shall offer the entities described in Attachment 14-7, page 11 the opportunity to be part of an oversight committee that will review the quarterly reports and determine whether the Bird Control Plan is operating effectively and as planned. The committee will operate as described in the Bird Control Plan. Tri-County Landfill shall send the offer to the entities prior to any disposal operations occurring.
- 32. Before receiving certification to place waste on a third disposal cell at the landfill and no later than November 1, 2026, the permittee shall submit an application for a minor waste permit modification and an Air Quality Plan Approval (or application for other necessary air quality authorization) to the Department to construct a processing facility to collect and process the landfill gas generated by the landfill into renewable natural gas. The landfill gas processing facility shall be placed into operation within 18 months after the Department issues the minor waste permit and any necessary air quality authorization.
- 33. The permittee shall comply with the emissions limits and conditions upon the production and control of landfill gas imposed or contained in any Plan Approval or other air quality authorization issued by the Department.

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**Section D – Groundwater Monitoring**

1. The groundwater monitoring system for this facility consists of the following units:

Aquifers	Surface Water Monitoring Points	Upgradient	Downgradient
	SW-1	M-20	M-4
	SW-3	M-22	M-7A
			M-9
			M-14
			M-15
			M-18
			M-21A
			M-21B

The location of the wells is indicated on Drawing 094D009A as prepared by BAI dated August 16, 2018 with revisions January 9, 2020. Surface water monitoring points are located on Drawings 094D001B and 094D001C as prepared by BAI dated August 17, 2018.

The Permittee shall submit new Form 18 information once the new wells are installed.

2. The permittee shall monitor the wells listed in the Condition above as follows:

Quarterly: Parameters listed in Section 273.284(1-3) and the items outlined in Form 19.

Annually: Parameters listed in Section 273.284(4-6) and the items outlined in Form 19.

3. The permittee shall monitor the surface water monitoring points listed in Section D, Condition 1 as follows:

Quarterly: Parameters listed in Section 273.284(1-3) and the items outlined in Form 19, excluding volatile organic compounds.

Annually: Parameters listed in Section 273.284(4) and the items outlined in Form 19., excluding volatile organic compounds.



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4. Groundwater monitoring reports shall be submitted to the Department on Form 19. The wells shall be monitored in accordance with Section D, Condition 2 of this permit and the Rules and Regulations. The analyses should be submitted to the Department within sixty (60) days from the end of the quarter or fifteen (15) days after completion of the analyses, whichever is sooner.

5. Within 48 hours after the permittee affects the quality or quantity of any water supply, it shall replace the supply with a temporary source of water of at least equal quality and quantity. If the temporary supply is purchased from a drinking water purveyor, the purveyor shall be licensed by and be in good standing with the Commonwealth of Pennsylvania. The permittee shall continue to provide the temporary supply until the quantity and quality of the original supply is restored or a permanent alternate water supply is provided.

Within 15 days after the permittee affects the quality or quantity of any water supply, the permittee shall submit a remedial plan to the Department for its approval. The plan shall set forth the means by which the permittee will either provide a permanent alternate water source of at least equal quality, quantity, and convenience of-use, or restore the original source and shall include a schedule of implementation. The plan for restoration or permanent alternate supply shall be completely implemented within 60 days after the permittee receives Departmental approval.

6. After construction of the monitoring well system has been completed, the geological cross-sections shown in the application permit forms, where appropriate, shall be revised to reflect all new information gathered during the construction of the monitoring wells. In addition, any other geological or subsurface information which exhibits significant changes from the conditions provided in the permit application shall be updated and provided to the Department. This information shall be submitted within six (6) months after completion of the monitoring well system.

7. Prior to sampling, monitoring wells shall be purged, with the report noted to indicate the same. All monitoring reports shall be submitted to:

Manager  
Waste Management Program  
Department of Environmental Protection  
230 Chestnut Street  
Meadville, PA 16335

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**Section E – Waste Acceptance**

1. The permittee shall not accept, receive, dump, discharge, process, or dispose of hazardous waste as defined in 25 PA Code Chapter 261 and 40 CFR Part 261.
2. No lead acid batteries shall be placed into mixed waste at this facility, discarded, or otherwise disposed of at this facility.
3. The permittee shall not violate, or cause violation of, any provision of the Municipal Waste Planning Recycling and Waste Reduction Act, 53 P.S. §§4000.101 *et seq.*, or the terms or conditions of any municipal waste management plan approved by the Department under that Act. Nothing in this paragraph shall be construed to restrict acceptance of source separated/recyclable materials at this facility for the purpose of recycling those materials.
4. The permittee shall notify all municipalities using the facility, in writing, when the facility's remaining capacity has decreased to three years. The rate of filling at the time of notice cannot be increased. This notification should also state that all customers may need to seek an alternate disposal site.
5. The permittee is hereby authorized to accept the generic residual and special handling waste streams as delineated in Form R, with the following conditions:
  - a. All wastes from new generators shall be consistent with the requirements stated in the Form R, Waste Analysis and Classification Plan. The permittee may accept generic residual waste specifically stated in the Form R as long as the wastes are consistent with the Waste Analysis and Classification Plan. The following general waste categories may be accepted:

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General Residual Waste Code (RWC) Series

- 000 --Combustion Residues
- 100 --Metallurgical Process Residues
- 200 --Sludges, Scales, and Sediments
- 300 --Chemical Wastes
- 400 --Generic Manufacturing Wastes
- 500 --Special Handling Wastes
- 700 --Industrial Equipment, Maintenance Waste/Scrap
- 800 --Non-Coal Mining Wastes, Oil and Gas, and Other Well Drilling Wastes
- 900 --Miscellaneous

- b. The permittee shall not accept any residual waste, residual special handling waste or municipal special handling waste whose chemical constituents are in excess of the maximum acceptance concentrations as delineated in the Waste Analysis and Classification Plan, without written approval from the Department.
- c. The permittee shall electronically submit a request to dispose residual waste and the source reduction strategy on the appropriate forms supplied by the Department for each waste which is proposed for disposal. These documents must be, at a minimum, administratively complete. The forms shall be sent to the Department's Northwest Regional Office via the DEP GreenPort web-based system prior to accepting the waste. If the Department does not object during the fifteen (15) day review period, the permittee may accept the waste as long as acceptance of the waste described in the request is consistent with the Waste Analysis and Classification Plan. If after the fifteen (15) day period the Department determines that the waste which is accepted is not consistent with the request or the Waste Analysis and Classification Plan, the permittee shall be subject to any or all applicable enforcement actions of the Solid Waste Management Act or the Department's Rules and Regulations promulgated there under. Approval for disposal of each waste must be received from the Department prior to acceptance at the landfill.

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Electronic submissions shall be made for all wastes, including but not limited to:

- Form U, Request to Process or Dispose Residual Waste
- Form 43, Request for Approval to Process or Dispose of Sewage Sludge
- Form FC-1, Notification of Intent to Dispose of Soil Contaminated by Virgin Petroleum Fuel
- Form 35, Request for Approval to Process or Dispose of Processed Regulated Medical or Chemotherapeutic Waste Stream(s)

- d. The permittee shall send copies of the forms described in paragraph c to the Host County and Municipality. These copies shall be sent quarterly, or more frequently if requested by the recipient.
- e. The permittee shall submit completed Form U's for each generator of residual waste which qualifies for waivers of chemical analysis listed in the application (Form U, Section D (4) Chemical Analysis Waiver). A source reduction strategy shall be included for any analysis-waived residual waste as required by Section 271.612 of the Rules and Regulations. The permittee shall not accept any residual waste as analysis-waived prior to submission of the completed forms to the Department. The Department waives the 15-day review period as referenced in paragraph c for these wastes as long as they meet all requirements of the original application for analyses-waived residual wastes.
- f. The permittee shall submit, quarterly to the Department's Northwest Regional Office, an amended Appendix to the permit which lists all municipal special handling wastes, residual wastes, residual special handling wastes and municipal waste-like residual wastes currently approved for disposal at the facility. The amended Appendix shall provide the information by waste type, generator, and approved quantity for all municipal special handling wastes, residual wastes, residual special handling wastes and municipal waste-like residual wastes including small quantity generators and small quantity waste types from large quantity generators.

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- g. The permittee shall not accept residual waste from any generator who is subject to 25 Pennsylvania Code, Chapter 287.54 that does not provide the permittee with the chemical analysis of the waste, or certification that the physical and chemical properties of the waste and the process generating the waste has not changed (60 days after the anniversary date of waste acceptance at the disposal facility), and the permittee shall not accept residual waste from any generator who does not provide all information as required by the Waste Analysis and Classification Plan.
  
- h. For generators meeting the conditions of 25 Pennsylvania Code, Chapter 271.601 (a)(2 or 3)(Small Quantity Generators and Small Quantity Waste Types), the acceptance of waste shall be as delineated in the Waste Analysis and Classification Plan for these generators; except the Permittee shall submit to the Department a complete application on the appropriate form (Form U) for all generators of industrial waste types that are generated in quantities of 2,200 pounds or less of that residual waste type per generating location in each month (Small Quantity Waste Type). The Department waives the detailed analysis of physical properties and chemical composition, and the evaluation of leachability for these small quantity waste types; except as required under 25 Pa. Code Chapter 261, Subchapters A-D for a hazardous waste determination. Additionally, the Department waives the 15-day review period as referenced in paragraph c for these small quantity waste types. Before the Permittee accepts residual waste from a generator whose total combined residual waste is 2,200 pounds or less (Small Quantity Generator), the generator of the residual waste must submit a letter of certification to the Department and demonstrate the waste is not hazardous. The Permittee shall submit to the Department the certification and demonstration received from the generator.

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Candidate Waste

6. Candidate waste may only be stored onsite for 60 days, unless otherwise approved by the Department, and must pass through the radiation monitors the day it arrives or during the next business day if it arrives after hours. All candidate waste must be disposed of within 5 days of Department Form U approval. Rejected loads must be removed from the site within 15 days of the Department or Tri-County's determination of rejection.
7. Candidate waste will count towards the average and maximum daily tonnage volumes for the day the waste is actually disposed.
8. A container ID system must be in place for the candidate waste. The ID system must include the date the candidate waste was received, an ID number, and a note stating the candidate waste has not been approved for disposal.
9. All candidate and approved waste must be stored in water tight containers and stored within areas with constructed stormwater controls.

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**Section F – Specific Variances – Design**

1. The landfill may have a 2.5H:1V slope for the first 50 vertical feet from the base of the landfill as described in Form Q(1).
2. The landfill may have a leachate detection zone layer less than 12 inches thick and the material used to construct the leachate detection zone may have a particle size greater than ½ inch provided the detection zone is constructed as described in Form Q(2).
3. The Permittee may utilize either 6 inches of soil or a geosynthetic clay liner as the subbase layer of the liner system with the following conditions:
  - a. The final subgrade surface shall consist of materials having 100% passing the 1-inch sieve and a minimum of 40% passing the #10 sieve on a weight basis.
  - b. The surface of the subgrade shall be hard, uniform, smooth and free of debris, rock, plant materials and other foreign material.

Additional requirements for use of the GCL can be found in Form Q(3).

4. The Permittee may utilize the gradation specification for ¾ inch minus stone during construction of the protective cover layer provided it meets the specifications described in Form Q(4).
5. The Permittee may utilize a 6 inch layer of tire particles in conjunction with a 12 inch layer of stone aggregate as the protective cover layer during construction of the landfill provided the particles and protective cover layer meet the specifications described in Form Q(5).
6. The Permittee may utilize the “geonet stack” trench system within the leachate detection zone as described in Form Q(6) provided the specifications described in that form are met.
7. The Permittee may utilize the gradation specification for 1 1/2 inch minus stone during construction of the protective cover layer provided it meets the specifications described in Form Q(7).

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8. The Permittee may utilize the gradation specification for AASHTO No. 3 stone as listed by the Pennsylvania Department of Transportation during construction of the protective cover layer provided it meets the specifications described in Form Q(8).
9. The Permittee may utilize a minimum protective cover layer thickness of 12 inches provided the layer meets the specifications described in Form Q(9).
10. The Permittee may utilize various classes of aggregate material in conjunction with a 16 oz/sy or 28 oz/sy nonwoven cushion geotextile provided the materials used meet the specifications as described in Form Q(10).
11. The Permittee may utilize an alternative final cover system consisting of a geosynthetic lining system in place of the traditional two feet of soil. Prior to installing the alternative final cover system the permittee must submit design drawings and design related information to the Department for approval.



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**Section G - Settlement Accommodation Plan:**

1. While implementing the settlement accommodation plan, the facility must remain in overall operational compliance regarding landfill gas odors, surface emissions, leachate outbreaks, nuisance controls, etc. If DEP determines that the facility is unable to maintain overall operational compliance, DEP may suspend future Settlement Accommodation Plan (SAP) implementation.
2. Upon construction of the Settlement Accommodation Plan (SAP) grades, SAP fill elevations must be surveyed. The survey elevations shall be reviewed by either a PA licensed land surveyor or PA Registered Professional Engineer. Records of the survey information must be maintained.
3. The Annual operation report must contain a separate report evaluating the Settlement Accommodation Plan (SAP). The SAP report must include the following:
  - A narrative evaluating the SAP plan
  - Calculations, if necessary, concerning proposed SAP settlement verses actual settlement, and validation of assumptions/estimates used in the SAP.
  - Drawings of proposed SAP settlement verses actual settlement on 100-foot cross sections successively each year in addition to the annual topographic survey.
  - Conformance with permitted capping schedule
  - An analysis of changes in waste stream in the past year that may affect changes in future settlement.
  - Any changes in the bond relative to the status of the SAP.
4. If revisions to the SAP or capping schedule are necessary, a minor permit modification application must be submitted to and approved by the Department, prior to implementation.
5. If SAP elevations are not at permitted elevations in each respective area of filling at the projected 5 year timeframe, (taking into account the thickness required for placement of final cover materials), the excess grade must be removed within 6 months, unless otherwise approved by the Department in writing, or if it is addressed by an approved permit modification of the SAP plan.
6. If SAP elevations settle below permitted elevations during the projected 5-year time frame, a one-time addition of waste to reach permitted elevations will be allowed. Final cover must be placed within one year of the one-time addition of waste.

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**Section H – Specific Variances – Daily Cover & Intermediate Cover**

1. The utilization of the following material as daily cover 25 Pa. Code §273.232.
  - \* Coal Ash
  - \* Foundry Sand and Refractory Material
  - \* Fly Ash with cement kiln dust (15% ash/85% dust)
  - \* Stabilized Lead contaminated soils
  - \* 1:1 soil/compost mixture
  - \* 1:3 mixture of soil and construction/demolition waste fines
  - \* Dredged material
  - \* Clay loam soils
  - \* Concrete Wall Production Waste (Material must be broken up prior to placing additional waste)
  - \* Gas drilling residuals containing at least 16.5% solids
  - \* Paper sludge
  - \* Paper de-inking sludge
  - \* Industrial wastewater sludge
  - \* Metal Processing sludge
  - \* Slag
  - \* Posi-shell
  - \* Wood Ash
  - \* Virgin and Non-Virgin Fuel contaminated soils
  - \* Nonpetroleum contaminated soils
  - \* Construction/Demolition waste with low percentages of paper and wood
  - \* Municipal Solid Waste incinerator ash
  - \* Envirocover
  - \* Broken & Commingled Glass
    - a. Glass waste is limited to the working face slopes where waste hauling vehicles do not travel.
    - b. Any glass used under this approval cannot be considered a recycled material or be counted as recycled to meet a grant or recycling condition.

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\* Auto Fluff

a. No more than 500 cubic yards of auto fluff shall be stockpiled over the lined areas of the landfill prior to use as daily cover. All rainwater that comes in contact with the auto fluff shall be managed as leachate. No auto fluff shall be stockpiled off of the lined area of the landfill.

- i. The waste materials as alternative covers must satisfy the requirements of the Waste Acceptance Plan of the operating permit.
- ii. If any of the alternative covers cease to meet the performance standards for cover materials outlined under the Chapter 273 Regulations, at any time and for any reason, the permittee shall immediately apply cover material meeting the design requirements of the Chapter 273 Regulations.
- iii. The Department reserves the right to revoke approval and require a return to the utilization of conventional soils in the event of substandard performance which is inconsistent with the Chapter 273 Regulations.
- iv. Form Q(11) contains additional specifications and requirements for each Alternate Daily Cover listed above that must be followed.

2. The Permittee may utilize 6 inches of intermediate cover in combination with a geomembrane as an intermediate cover in-place of the soil requirements of 25 Pa. Code 273.233 provided the soil and geomembrane meet the specifications and requirements contained in Form Q(12) of the application. At the time of final capping the remaining 6 inches of intermediate soil cover will be installed.

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**Section I – Environmental Assessment, Benefits and Mitigation**

1. The permittee has proposed mitigation of harms and has identified benefits of the project to the public in the application submissions included as part of this permit modification. Based upon the Department’s evaluation of the environmental assessment, of which the harms/benefits analysis is part, it has been determined that the benefits of the project clearly outweigh the known and potential harms as required by Chapter 271.127(c) of the Municipal Waste Regulations. Failure to complete all mitigation measures in the application submissions or failure to provide for all the benefits accepted by the Department based on its analysis may result in permit suspension, permit revocation, and/or other appropriate enforcement actions.
  
2. The Department’s analysis and review of the Environmental Assessment for the application entitled “Replacement Application” is attached to this permit as Exhibit EA1.

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Exhibit EA1  
Environmental Assessment  
Replacement Application