



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Craig W. Butler, Director

July 12, 2018

Hancock County Board of  
Commissioners  
514 S. Main St, 2<sup>nd</sup> Flr.  
Findlay, OH 45840

**Re: Hancock County Sanitary Landfill  
Permit - Long Term  
Approval  
Municipal Solid Waste Landfills  
Hancock County  
MSWL018759**

**Re: Hancock County Sanitary Landfill  
Permit – Long Term  
Exemption  
Municipal Solid Waste Landfills  
Hancock County  
MSWL018759**

**Subject: Final Permit to Install Application for Hancock County Sanitary Landfill**

Dear Madam/Sir:

The Ohio Environmental Protection Agency, pursuant to Ohio Administrative Code Rule 3745-27-02 and the rules adopted thereunder, has reviewed the application for a permit with accompanying detail plans, specifications and/or information (hereinafter referred to as "application") regarding the above-referenced facility. This application has been approved by the Director subject to the conditions of compliance contained in the permit approval enclosed herewith and with all applicable laws, rules and standards. All construction must be supervised by an engineer or expert qualified in such work. Because the permit approval contains conditions of compliance, I urge you to read it carefully.

You are requested to submit within thirty (30) days of the date of issuance of this Permit to Install, the required permit fee balance of fifty eight thousand three hundred dollars (\$68,521.32 - \$400.00 application fee = \$68,121.32), payable to **Treasurer, State of Ohio**. Please send the required payment to:

Ohio Environmental Protection Agency  
Permit to Install Fee  
Dept L-2711  
Columbus, OH 43260-2711

Payment of the fee balance within 30 days is a requirement of ORC Sections 3745.11 (Q) and (V). Failure to timely submit the required permit fee will result in an assessment of late penalties.

You are hereby notified that this action of the Director of Ohio EPA (Director) is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 made payable to "Treasurer, State of Ohio." The Commission, in its discretion, may reduce the fee if by affidavit it is demonstrated that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
30 East Broad Street, 4th Floor  
Columbus, Ohio 43215

If you have any questions, please contact the Ohio EPA District Office to which you submitted your application.

Sincerely,



Greg Nichols, Administrative Processing Unit  
Division of Materials and Waste Management

Enclosure

cc: Megan Ujvari, DMWM, CO  
Scott Hester, DMWM, CO  
Jeremy Carrol, DMWM, CO  
Dina Pierce, PIC  
Habib Kaake, DMWM, NWDO  
Mike Reiser, DMWM, NWDO  
Associated Health District

## OHIO ENVIRONMENTAL PROTECTION AGENCY PERMIT TO INSTALL

Application Number: 707783  
Application Received: March 19, 2009  
Permit Fee: \$68,521.32  
Permit Fee Balance: \$68,121.32

Applicant: Hancock County Board of County Commissioners  
Address: 514 South Main Street, 2<sup>nd</sup> Floor  
Findlay, Ohio 45840

Facility: Hancock County Sanitary Landfill  
Address: 3763 County Road 140  
Findlay, Ohio 45840

Location: Allen Township, Section 23

Permit: Lateral Expansion

Issuance Date: JULY 12, 2018

Effective Date: JULY 12, 2018

The above-named entity is hereby issued a permit-to-install (permit) for the above-described source pursuant to Ohio Administrative Code (OAC) Rule 3745-27-02. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed and/or modified in accordance with the plans, specifications, and/or information accompanying the permit application, the above-described source of environmental pollutants will operate in compliance with applicable state and federal laws, rules, and regulations, and does not constitute expressed or implied assurances that, if constructed and/or modified in accordance with those plans, specifications, and/or information accompanying the permit application, the above-described source of environmental pollutants will be granted the necessary operating permits and/or licenses. This permit is issued subject to the attached conditions which are hereby incorporated and made a part hereof.

Ohio Environmental Protection Agency



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Craig W. Butler, Director

## PERMIT SUMMARY

This permit (PTI Number 707783) authorizes the lateral expansion of the approved limits of waste placement at Hancock County Sanitary Landfill (Facility), an existing municipal solid waste landfill located at 3763 County Road 140, Findlay, Ohio in Hancock County. The Hancock County Board of County Commissioners is the PTI applicant and the owner and operator of the Facility.

Specifically, the permit authorizes a non-contiguous lateral expansion to the west of the existing landfill. It will consist of approximately 6,852,132 cubic yards of airspace on approximately 56.5 acres. The lateral expansion will provide disposal service for approximately 43 years at the average gate waste receipt of 127,627 tons/year or 25 years at the authorized maximum daily waste receipt (AMDWR) of 750 tons.

The lateral expansion will incorporate into its construction such features as a composite (recompacted clay/geosynthetic membrane) liner system, a leachate collection and management system, a surface water management system, a ground water monitoring system, an explosive gas extraction and monitoring system, and a composite final cap system. The permit will provide 30 years of post-closure care and financial assurance for closure and post-closure care.

Leachate is currently collected by the existing separatory liner/leachate collection system which directs leachate to the sumps. The leachate is then pumped through a forcemain line to the City of Findlay wastewater treatment plant (WWTP).

An active gas extraction system exists for the Facility that is designed to draw landfill gas from the extraction wells. The gas is either incinerated on site or converted to electricity by an offsite electric generation plant that is owned and operated by Granger Electric.

This permit grants the Hancock County Board of County Commissioners an exemption from OAC Rule 3745-27-07(H)(4)(d), which requires that the limits of solid waste placement not be located within two hundred feet of areas determined by Ohio EPA or the United States Army Corps of Engineers to be a stream, lake, or wetland.

This summary is provided solely for informational purposes and does not constitute a part of, or otherwise affect, the attached permit.

## PERMIT CONDITIONS

1. The Director of the Ohio Environmental Protection Agency (Director), or an authorized representative, may enter upon the premises of the above-named applicant (permittee) at any reasonable time during construction and operation for

the purpose of making inspections, conducting tests, or examining records or reports pertaining to the construction, modification, or installation of the above-described source of environmental pollutants (municipal solid waste disposal facility).

2. The Facility shall be constructed in strict accordance with the plans, specifications, and information submitted to the Ohio Environmental Protection Agency (Ohio EPA) which constitute this permit. There shall be no deviation from the approved permit or permit conditions without the express, written approval of Ohio EPA. Any deviation from the approved permit or the permit conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the Facility will operate in compliance with all Ohio laws and regulations. Additional landfill components shall be installed upon orders of Ohio EPA if the Facility is inadequate or cannot meet applicable standards.
3. Issuance of this permit does not relieve the permittee of the duty to comply with all applicable federal, state, and local laws, ordinances, and regulations.
4. This permit shall apply only to the Facility shown on the plans, specifications, and information submitted as part of PTI Number 707783, received March 19, 2009, with subsequent revisions through January 22, 2018.
5. This permit may be modified, or alternatively revoked and reissued by the Director, to comply with any revisions to OAC Chapter 3745-27 applicable to this municipal solid waste disposal facility.
6. The permittee shall provide for the proper maintenance and operation of the Facility in accordance with the provisions of OAC Chapter 3745-27.
7. The permittee shall ensure that the proposed ground water monitoring wells are installed and sampling has been initiated prior to waste placement in each sequenced phase of the landfill as specified in "Table 1 – Groundwater Monitoring Well Information" and "Figure 1 – Groundwater Monitoring Well Network" included in "Volume V – Groundwater Monitoring Plan".
8. Nothing in this permit shall be construed to authorize any waiver from the requirements of any applicable federal or state laws or regulations except as specified herein. This permit shall not be interpreted to release the permittee from responsibility under Ohio Revised Code (ORC) Chapters 3704, 3714, 3734, or 6111; under the Federal Clean Water Act, the Resource Conservation and Recovery Act, or the Comprehensive Environmental Response, Compensation,

and Liability Act; or from other applicable requirements for remedying conditions resulting from any release of contaminants to the environment.

9. This permit does not authorize the acceptance of any hazardous or infectious wastes, except those excluded from hazardous waste or infectious waste regulation by ORC Chapter 3734.
10. This permit does not authorize the acceptance of any asbestos or asbestos-containing waste material that is subject to the provisions of NESHAP, 40 CFR Part 61, Subpart M. No such asbestos or asbestos-containing waste material may be accepted without the necessary permits from Ohio EPA.
11. Not later than seven (7) days prior to starting any construction authorized under this permit, the permittee shall submit to Ohio EPA, Division of Materials and Waste Management (DMWM), Northwest District Office (NWDO) and Hancock Public Health written notification of the anticipated construction start date so that construction of the Facility can be routinely inspected by Ohio EPA, DMWM, NWDO and Hancock Public Health.
12. The permittee shall perform the following activities during construction and operation of the Facility in accordance with the cited provisions of OAC Chapter 3745-27 as follows:
  - a. The pre-construction tests required by OAC Rule 3745-27-08(D) shall be performed and the test results submitted to Ohio EPA, DMWM, NWDO not later than seven (7) days prior to the intended use of the materials in construction.
  - b. The pre-construction interface tests required by OAC Rule 3745-27-08(G) shall be performed and the test results submitted to Ohio EPA, DMWM, NWDO not later than seven (7) days prior to the use of each geosynthetic material authorized by this permit.
  - c. The construction certification report required by OAC Rule 3745-27-08(H) shall be submitted to Ohio EPA, DMWM, NWDO and Hancock Public Health not later than forty-five (45) days prior to the anticipated date of waste receipt in any newly constructed areas. Pursuant to OAC Rule 3745-27-19(C)(1), the permittee shall not accept waste in a phase until Ohio EPA, DMWM, NWDO provides written concurrence of the construction certification report for that phase.

13. The permittee shall provide for the following inspections and facility maintenance:
  - a. The permittee shall provide for daily inspection of the Facility and completion of the Municipal Solid Waste Landfill Daily Log of Operations, Form 3. Written results of the inspections, including any corrective actions taken, shall be made available to Ohio EPA, DMWM, NWDO and/or Hancock Public Health upon request.
  - b. Surface water control structures, including sedimentation ponds, sedimentation pond discharge structures, pipes, ditches, and culverts, shall be inspected at least weekly for erosion, clogging, or failure and prompt corrective action shall be taken if necessary. Written results of the inspections, including a discussion of any corrective actions taken, any water quality samples taken, and the date and weather conditions, shall be recorded on the Municipal Solid Waste Landfill Daily Log of Operations, Form 4. The information shall be maintained on site and submitted to Ohio EPA, DMWM, NWDO and/or Hancock Public Health, upon request.
  - c. A sediment survey for each sedimentation pond shall be completed on a yearly basis, and the results from the survey shall be submitted to Ohio EPA, DMWM, NWDO not later than April 1 with the annual operation report.
  - d. To ensure proper operation of the sedimentation pond(s), the pond(s) shall be cleaned out as necessary when the volume of the settled particles necessitates cleaning based on inspection results or to maintain the storage volume required by OAC Rule 3745-27-08(D)(3). Sedimentation Ponds #4 and #5 shall be cleaned out to their original bottom elevations when the sediments average elevations reach 793.89 feet MSL and 781.78 feet MSL, respectively, based on the design calculations provided in the permit application.
14. Construction certification reports for any constructed or repaired engineered component of the Facility shall be submitted to Ohio EPA, DMWM, NWDO, not later than April 1 of the year immediately following the construction or repair, unless this deadline is otherwise extended by Ohio EPA.
15. The permittee shall construct and fill the landfill in accordance with the 6-series drawings submitted as part of the PTI application and shall commence construction of the final cap system in accordance with the 6-series drawings, regardless of whether or not the entire phase has reached final elevations.

16. Ohio EPA, DMWM, NWDO shall be notified not later than 2 days prior to any soil sampling or scheduled repair at the site and not later than 24 hours after completing any emergency repair to an existing engineered component. This condition shall not apply to routine landfill maintenance.
17. The permittee shall not store leachate in the landfill without written authorization from the Director as specified in OAC Rule 3745-27-19(K)(4). The permittee shall be viewed to be storing leachate if the leachate accumulates to an elevation above the design standard (a maximum of one foot of head above the top elevation of the sump) and the sump pump is not running.
18. Prior to construction of Phase 2, the permittee shall obtain ownership of the adjoining properties that are within 300 feet of the authorized limits of waste placement, request a permit alteration to reduce the limits of waste placement to conform with the 300-foot property line setback siting criterion and 1,000-foot domicile setback siting criterion, or close the Facility. Proof of ownership of the adjoining properties that are within 300 feet of the authorized limits of waste placement or the permit alteration request to reduce the limits of waste placement for phases beyond Phase 1 shall be submitted to Ohio EPA not later than one year after the effective date of this permit, or before half of the capacity in Phase 1 has been filled, whichever occurs sooner.
19. The permittee shall fund a new financial assurance instrument or increase the amount listed on the existing financial assurance instrument in accordance with OAC Rules 3745-27-15, 3745-27-16, and 3745-27-17 for the current cost estimates of the facility, including the costs for the newly authorized disposal area. Funding shall be completed prior to waste acceptance in any disposal area newly authorized by this permit to install.
20. The Facility's AMDWR is established to be 750 tons. The permittee shall not accept more than 750 tons of solid waste per day for disposal at the Facility.

#### **END OF PERMIT CONDITIONS**

#### **EXEMPTION**

Pursuant to ORC Section 3734.02(G) and OAC Rule 3745-27-03(B), the director may, by order, exempt any person generating, collecting, storing, treating, disposing of, or transporting solid wastes, including scrap tires, from any requirement of ORC Chapter 3734 or any rules adopted thereunder if granting the exemption is unlikely to adversely affect the public health or safety or the environment.



**Exemption from OAC Rule 3745-27-07(H)(4)(d)  
200 Feet Setback from a Stream, Lake, or Wetland**

As part of the application, the permittee has requested an exemption from OAC Rule 3745-27-07(H)(4)(d), which requires that the limits of solid waste placement of a sanitary landfill facility not be located within 200 feet of areas determined by Ohio EPA or the United States Army Corps of Engineers to be a stream, lake, or wetland.

There are four areas where the authorized limits of solid waste placement are located within 200 feet of areas determined to be wetlands. Wetland C, near the northwest corner of Unit 2, will be removed during landfill construction. The delineation of the areas indicates that this is not a federally jurisdictional wetland and no permitting from the United States Army Corps of Engineers is required. Ohio EPA has issued an isolated wetland permit for Wetland C.

The proposed new limits of waste placement are approximately 100 feet from Wetland B and at least 150 feet from Wetlands D and F. Wetlands D and F are located hydrogeologically upgradient of the new waste disposal area and will be separated by a service road. Current and past landfill activities have not impacted the wetlands. The new waste disposal area will be provided with a BAT liner and a leachate collection system, and surface water from the landfill will be managed so that it does not impact the wetlands.

Ohio EPA has reviewed the exemption request and, for the reasons noted above, has determined that granting an exemption from the requirements of OAC Rule 3745-27-07(H)(4)(d) will not create a nuisance or hazard to public health or safety or the environment and is unlikely to result in a violation of any other requirements of ORC Chapters 3704, 3714, and 6111 and rules adopted thereunder. Therefore, pursuant to ORC Section 3734.02(G), the permittee is hereby granted an exemption from the prohibition of locating the limits of solid waste placement of a sanitary landfill facility within 200 feet of the above-mentioned wetlands, provided the permittee complies with the alternative setbacks proposed in the exemption request and permit.

This exemption is subject to the following conditions:

1. The permittee shall maintain a good vegetative buffer or greenbelt with a minimum width of 50 feet around the wetlands and shall not allow excessive nutrients and pollutants to flow into the wetlands.
2. The permittee shall not conduct activities that alter the flow of surface water such that the remaining wetlands are adversely affected by development of the Facility.

3. The permittee shall monitor and record on the Municipal Solid Waste Landfill Daily Log of Operations, Form 4 signs of negative effects to the wetlands, such as excessive bank erosion, an excessive amount of sediment entering the wetlands, or blown litter accumulation, and shall take appropriate corrective actions within 7 days if weather conditions permit.

This exemption shall remain in effect throughout the effective period of this permit unless otherwise revoked.

**END OF EXEMPTION**