



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

April 4, 2017

Crawford County Board of
Commissioners
112 East Mansfield St.
Bucyrus, OH 44820

**Re: Crawford County Sanitary Landfill
Permit - Long Term
Approval
Municipal Solid Waste Landfills
Crawford County
MSWL018774**

**Re: Crawford County Sanitary Landfill
Permit - Long Term
Exemption
Municipal Solid Waste Landfills
Crawford County
MSWL018774**

Subject: Final Permit to Install Application for Crawford County Sanitary Landfill

Dear Commissioners:

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 sixty eight thousand eight hundred twenty seven dollars and twelve cents (\$69,227.12 - \$400.00 application fee = \$68,827.12), 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 \$68,827.12 fee 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
77 South High Street 17th 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
Matt Boyer, DMWM, CO
Darla Peelle, PIC
Ned O'Loughlin, DMWM, NWDO
Mike Reiser, DMWM, NWDO
Steve Jozwiak, Crawford County General Health District

OHIO ENVIRONMENTAL PROTECTION AGENCY

PERMIT TO INSTALL

Application Number: 971858
Application Received: January 29, 2014
Permit Fee: \$69,227.12
Permit Fee Balance: \$68,827.12

Applicant: Crawford County Board of Commissioners
Address: 112 East Mansfield St.
Bucyrus, OH 44820

Facility: Crawford County Sanitary Landfill

Location: The facility is located 5 miles east of Bucyrus, Ohio on U.S. Route 30 and 1/2 mile east of Township Road 146.


Permit: Vertical and Lateral Expansion

Issuance Date: APRIL 4, 2017

Effective Date: APRIL 4, 2017

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



Craig Butler, Director

PERMIT SUMMARY

This permit (PTI # 971858) authorizes the vertical and lateral expansion of the approved limits of waste placement at the existing Crawford County Sanitary Landfill (Facility). The Facility is located at 5128 Lincoln Highway East in Liberty and Whetstone Townships, Crawford County, Ohio.

The approved disposal capacity will increase by approximately 6.92 million cubic yards to approximately 13.0 million cubic yards. The total acreage within the limits of waste placement will increase by 35.0 acres to a total of 81.8 acres. The anticipated life expectancy is 39.3 years based on the 2014 waste receipts.

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

This permit grants the Crawford County Board of Commissioners an exemption from OAC Rule 3745-27-07(H)(4)(d), which prohibits the limits of solid waste placement from being located within 200 feet of a stream, lake, or wetland. The Crawford County Board of Commissioners also requested an exemption from OAC Rule 3745-27-07(H)(2)(e), which requires that the isolation distance between the uppermost aquifer system and the bottom of the recompacted soil liner of a sanitary landfill facility is not less than fifteen feet of in-situ or added geologic material. However, this exemption was previously granted on December 30, 2010 and remains in effect.

The above 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 (Ohio EPA), 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 Ohio EPA which constitute this permit. There shall be no deviation from the approved permit or the 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 this permit 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 those facilities shown on the plans submitted as part of PTI Application Number 971858 received on July 29, 2014, with subsequent revisions received through July 31, 2015.
5. This permit may be modified, or alternatively revoked and reissued, 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. 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.
8. This permit does not authorize the acceptance of any hazardous or infectious wastes, except for those excluded from hazardous or infectious waste regulation by ORC Chapter 3734.
9. 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 first obtaining the necessary permits from Ohio EPA.

10. Not later than seven days prior to starting any construction authorized by this permit, the permittee shall submit to Ohio EPA, Northwest District Office (NWDO), Division of Materials and Waste Management (DMWM) written notification of the anticipated construction start date so that construction of this unit can be routinely inspected by Ohio EPA, NWDO, DMWM before the unit is placed into operation.
11. The permittee shall provide a summary of each month's daily waste receipts and leachate generation volumes. The summary shall be submitted to Ohio EPA, NWDO by the 15th day of the following month. The summary report shall include the day of the month with the corresponding tonnage of waste received for that day. In addition, the summary report shall include the monthly totals of in-district and out-of-district waste received for each category of the reported waste streams. The report shall also provide the day of the month with the corresponding leachate volumes transported off site and treatment destinations.
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 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 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 the Crawford County Health Department not later than 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 or the Crawford County Health Department upon request.
 - b. The permittee shall provide for weekly inspection of surface water control structures, including sedimentation ponds, sedimentation pond discharge structures, constructed wetlands, ditches, and culverts and completion of the Municipal Solid Waste Landfill Daily Log of Operations, Form 4. Prompt corrective action shall be taken if necessary. Written results of the inspections, including any corrective actions taken, shall be made available to Ohio EPA, DMWM, NWDO, and the Crawford County Health Department upon request.
 - c. To ensure proper operation of the sedimentation pond(s), the pond(s) shall be evaluated annually and 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).
14. The permittee shall execute and fund a 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.
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 a phase has reached final elevations in all areas.
16. Construction certification reports for any constructed or repaired engineered component of the Facility shall be submitted to Ohio EPA, NWDO prior to April 1 of the year immediately following the construction or repair.
17. The permittee shall not store leachate in the landfill without written authorization from the Director as described 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. Ohio EPA shall be notified at least 2 days prior to conducting any soil sampling at the site and at least 2 days prior to performing any other repair to an existing engineered component. This condition shall not apply to routine landfill maintenance.
19. The Facility's authorized maximum daily waste receipt (AMDWR) is established to be 1200 tons. The permittee shall not accept more than 1200 tons of solid waste for disposal at the Facility on any calendar day.

END OF PERMIT CONDITIONS

EXEMPTIONS

Pursuant to ORC Section 3734.02(G), the director may, by order, exempt any person generating, collecting, storing, treating, disposing of, or transporting solid wastes, or processing solid wastes that consist of scrap tires, in such quantities or under such circumstances that, in the determination of the director, are unlikely to adversely affect the public health or safety or the environment from any requirement to obtain a registration certificate, permit, or license or comply with other requirements of ORC Chapter 3734.

EXEMPTION FROM OAC Rule 3745-27-07(H)(4)(d)

The permittee has requested an exemption from OAC Rule 3745-27-07(H)(4)(d), which states, in part:

"The limits of solid waste placement of the sanitary landfill facility are not 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."

The applicant has requested an exemption from the requirement prohibiting the limits of solid waste placement from being located within two hundred feet of surface waters. Specifically, the applicant wishes to preserve some wetlands outside of the limits of disturbance but within 200 feet of the limits of waste. The applicant has assessed the wetlands and received its 401 water quality certification on March 12, 2015.

Ohio EPA has reviewed the exemption request and has determined that granting an exemption from OAC Rule 3745-27-07(H)(4)(d) in order to construct the Facility in accordance with this permit (PTI # 971858) is unlikely to adversely affect the public health or safety or the environment. Therefore, pursuant to ORC Section 3734.02(G), the permittee is hereby exempted from OAC Rule 3745-27-07(H)(4)(d), which requires that the limits of solid waste placement of a sanitary landfill facility are not 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 exemption is limited to development of the Facility in accordance with PTI # 971858. This exemption shall remain in effect throughout the effective life of the permit unless otherwise revoked by Ohio EPA.

EXEMPTION FROM OAC Rule 3745-27-07(H)(2)(e)

The permittee has requested an exemption from OAC Rule 3745-27-07(H)(2)(e), which requires that the isolation distance between the uppermost aquifer system and the bottom of the recompacted soil liner of a sanitary landfill is not less than fifteen feet of in-situ or added geologic material constructed in accordance with OAC Rule 3745-27-08.

PTI Number 708255, effective December 30, 2010, granted an exemption from this siting prohibition, pursuant to ORC Section 3734.02(G). This exemption remains in effect and re-issuance of this exemption is not necessary.