

OHIO ENVIRONMENTAL PROTECTION AGENCY**PERMIT TO INSTALL**

ENTERED DIRECTOR'S JOURNAL

Application Number: 708255
 Application Received: March 30, 2009
 Permit Fee: \$18,810.84
 Permit Fee Balance: \$18,410.84

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

Facility: Crawford County Landfill

Location: The facility is located 5 miles east of Bucyrus, Ohio on Lincoln Highway and 1/2 mile east of Township Road 146.

Permit: Vertical Expansion

Issuance Date: DEC 30 2010

Effective Date: DEC 30 2010

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

I certify this to be a true and accurate copy of the original documents as filed in the records of the Ohio Environmental Protection Agency.



Chris Korleski, Director



Date: 12.30.2010

PERMIT SUMMARY

This permit (PTI # 708255), authorizes vertical expansion of the approved limits of waste placement at the existing Crawford County Landfill (Facility). The Facility is located at 5128 Lincoln Highway East in Liberty and Whetstone Townships, Crawford County, Ohio.

This permit authorizes a vertical expansion to raise the permitted top of waste grades. This vertical expansion is over the existing constructed areas and the yet unconstructed areas within the permitted limits of waste. The horizontal limits of waste do not change. This permit also slightly raises the bottom limits of unconstructed Phase 5.

The net effect of raising the bottom and top of waste grades is a permitted airspace increase of approximately 1,881,084 cubic yards on 46.8 acres of composite-lined area. This will give the Facility a total permitted airspace of 6,110,264 cubic yards. With this expansion the landfill will have 11.9 years of disposal capacity based on the average gate waste receipt or 8.6 years based on the authorized maximum daily waste receipt (AMDWR) of 1200 tons.

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, a passive 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 approval includes an exemption from OAC Rule 3745-27-07(H)(2)(e) that requires a fifteen foot isolation distance between the bottom of the recompacted soil liner and the uppermost aquifer system.

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 as a part of the application for this permit. There may be no deviation from the approved plans without the express, written approval of Ohio EPA. Any deviation from the approved plans 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 Facility 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 708255 received on March 30, 2009, with subsequent revisions received through June 8, 2010.
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 municipal solid waste disposal facility in accordance with the provisions of OAC Chapter 3745-27.
7. 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.
8. 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-containing waste material may be accepted without first obtaining the necessary permits from Ohio EPA.
9. This permit does not authorize interim or final slopes to be steeper than 3H:1V excluding the existing interim slopes which have been previously constructed at 2.5H:1V.

10. Not later than 30 days after the effective date of this permit, the permittee shall request permission, by certified mail, from the owner of the developed spring to the east of the Facility to connect the residence to the public water supply and properly abandon the developed spring. Not later than 120 days after the effective date of this permit, the permittee shall submit to Ohio EPA proof of the request and a copy of all documentation from the owner, including the owner's signature, granting or denying permission to connect the owner's residence to public water and properly abandon the developed spring. If permission is granted, the permittee shall connect the owner's residence to public water and properly abandon the developed spring not later than 270 days after the effective date of this permit. If the owner fails to respond to the request, the permittee shall indicate the owner's failure to respond as part of the documentation submitted to Ohio EPA under this condition.
11. Not later than seven days prior to starting any construction or repairing any engineered component authorized under this permit, the permittee shall submit to Ohio EPA, Division of Solid and Infectious Waste Management (DSIWM), Northwest District Office (NWDO) and the Crawford County Health Department (CCHD) written notification of the anticipated construction start date so that construction at the Facility can be routinely inspected by Ohio EPA, DSIWM, NWDO and CCHD before being placed into operation.
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, DSIWM, 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, DSIWM, 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, DSIWM, NWDO and CCHD not later than 45 days prior to the anticipated date of waste receipt in newly constructed areas. Pursuant to OAC Rule 3745-27-19(C)(1), the permittee shall not

accept waste in a phase until Ohio EPA, DSIWM, NWDO provides written concurrence of the construction certification report for that phase.

13. The permittee shall provide a summary of each month's daily waste receipts and leachate generation volumes to Ohio EPA, DSIWM, NWDO by the fifteenth 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.
14. Construction certification reports for any constructed or repaired engineered component of the Facility shall be completed and submitted to Ohio EPA, DSIWM, NWDO not later than two years after the start of construction.
15. 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, prior to waste acceptance in any disposal area newly authorized by this permit to install.
16. 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.

END OF CONDITIONS

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 a fifteen foot isolation distance between the uppermost aquifer system and the bottom of the recompacted soil liner.

During landfill construction under the 1995 permit, a sand lens in the southeast portion of Phase 1A was discovered. The permittee was permitted to fill above this sand lens into a BAT liner system as this sand lens was considered to be a laterally discontinuous significant zone of saturation. However, due to new ground water guidance, this sand lens was redefined as an uppermost aquifer system based on yield. While this sand lens extends off the property boundary to the east, it exits the landfill property as a significant zone of saturation, based on yield, and appears to discharge to a creek just east of the landfill property. Additionally, the area of the Facility that lies above the newly-designated UAS incorporates a composite (recompacted soil and flexible membrane) liner system in its design and no ground water impacts have been detected in this hydrogeologic unit.

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.

For the reasons noted above, I have determined that granting the permittee an exemption from the requirement of OAC Rule 3745-27-07(H)(2)(e) is unlikely to adversely affect the public health or safety or the environment. Therefore, pursuant to ORC Section 3734.02(G) and OAC Rule 3745-27-03(B), the permittee is hereby exempted from the requirement of OAC Rule 3745-27-07(H)(2)(e) to maintain a fifteen foot isolation distance between the bottom of recompacted soil liner and the uppermost aquifer system sand lens in the southeastern portion of Phase 1A.