



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

June 30, 2017

Lafarge North America
11435 County road 176
Paulding, OH 45879

**Re: Lafarge North America
Permit - Long Term
Approval
Residual Solid Waste Landfills
Paulding County
RSWL018767**

Ohio EPA JUN 30 '17
Entered Directors Journal

Subject: Final Permit to Install Application for Lafarge North America

To whom it may concern:

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 seventeen thousand eight hundred forty two dollars and 96 cents (\$18,242.96- \$400.00 application fee = \$17,842.96), 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 permit 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
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

OHIO ENVIRONMENTAL PROTECTION AGENCY

PERMIT TO INSTALL

Application Number: 1094464
Application Received: May 12, 2016
Permit Fee: \$18,242.96
Permit Fee Balance: \$17,842.96

Applicant: Lafarge North America
Address: 11435 County Road 176
Paulding, OH 45879

Facility: Lafarge North America Residual Waste Landfill
Location: Sections 26 and 27 of Crane Township, Paulding County
North of County Road 176 and West of County Road 105

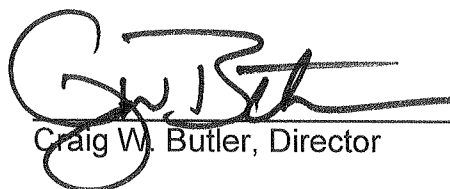
Permit: Vertical Expansion

Issuance Date: JUNE 30, 2017

Effective Date: JUNE 30, 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 3745-30. 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 W. Butler, Director

PERMIT SUMMARY

This permit (PTI # 1094464) authorizes the vertical expansion of the approved limits of waste placement at the existing Lafarge North America Residual Waste Landfill. (Facility). The Facility is located at 11435 County Road 176, Paulding, OH 45879

The approved disposal capacity will increase by approximately 1.82 million cubic yards to approximately 21.48 million cubic yards. This results in a 9.3% increase in waste capacity. The total area within the limits of waste placement will not change. The anticipated life expectancy is 202.2 years based on the 2014 waste receipts.

Lafarge North America manufactures cement utilizing a kiln located adjacent to the Facility. The existing disposal area and the vertical expansion area include a recompacted soil liner, leachate collection system, a surface water management system, a groundwater monitoring system, and a recompacted soil cap. Due to the nature of the waste, an explosive gas monitoring system is not needed. This permit includes financial assurance for closure and 15 years of post-closure care.

This permit grants one exemption, from OAC Rule 3745-30-06(H)(2), which prohibits the sanitary landfill facility from being located in a limestone quarry or sandstone quarry.

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 (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 (residual 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 1094464 received on May 12, 2016, with subsequent revisions received through April 11, 2017.
5. This permit may be modified, or alternatively revoked and reissued, to comply with any revisions to OAC Chapter 3745-30 applicable to this residual 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 3745-30.
7. Wastes other than those as defined in OAC Rule 3745-30-01(B)(7) are specifically prohibited from disposal at the Facility.
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.
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.
11. 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.

12. The permittee shall perform the following activities during construction and operation of the Facility in accordance with the cited provisions of OAC Chapter 3745-30 as follows:
 - a. The pre-construction tests required by OAC Rule 3745-30-07(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. Pre-construction interface tests 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 3745-30-14(C) shall be submitted to Ohio EPA, DMWM, NWDO not later than 45 days prior to the anticipated date of waste receipt in any newly constructed areas. Pursuant to OAC Rule 3745-30-14(E)(7), 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 Residual 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.
 - 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 required daily log Form 4. The information shall be maintained on site and submitted to Ohio EPA, DMWM, NWDO upon request.
 - c. At least annually, the permittee shall evaluate the necessity for a sedimentation control pond. This evaluation shall be based on the ability of the adjacent quarry to protect waters of the state from excessive sediment load and flooding based on the criteria contained in OAC Chapter 3745-30.

This evaluation shall be included in the annual operational report required by OAC Rule 3745-30-14(M). Should it be determined that a sedimentation/flood control pond is necessary, the permittee shall submit the appropriate authorization request which includes detailed narrative and plan drawings depicting a sedimentation/flood control pond and any other necessary changes.

14. 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 not later than 180 days after the effective date of this permit.
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 each phase in accordance with the 6-series drawings.
16. Construction certification reports for any constructed or repaired engineered component of the Facility shall be submitted to Ohio EPA, DMWM, 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 3745-30-14(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, DMWM, NWDO shall be notified at least 2 days prior to any soil sampling at the site and 2 days prior to any other repair to an existing engineered component. This condition shall not apply to routine landfill maintenance.
19. The permittee shall, at least semi-annually, evaluate the ground water surface elevation data to determine whether the requirements of OAC Rule 3745-30-08(B) for locating the monitoring wells continue to be satisfied. This evaluation shall be submitted to Ohio EPA, DMWM, NWDO along with the information required by OAC Rule 3745-30-08(C)(8). If Ohio EPA determines that OAC Rule 3745-30-08(B) is no longer satisfied, the permittee shall immediately revise the number, location, and/or depth of the monitoring wells to bring the groundwater monitoring system into compliance with this requirement. Ohio EPA may require revisions to

the monitoring well installation schedule, the groundwater monitoring system, and the installation of wells.

20. The permittee shall maintain quarry dewatering operations throughout the post-closure care period at the Facility.
21. Not later than 180 days after the effective date of this permit, the permittee shall submit an early closure plan that, at a minimum, depicts 5 feet of added geologic material surrounding the waste up to the highest potentiometric elevation, additional slope stability calculations, and financial assurance calculations.

END OF PERMIT CONDITIONS

EXEMPTION FROM OAC RULE 3745-30-06(H)(2)

This permit grants an exemption from the requirements of OAC Rule 3745-30-06(H)(2), which prohibits the sanitary landfill facility from being located in a limestone quarry or sandstone quarry.

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, 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.

Ohio EPA has determined that granting an exemption from OAC Rule 3745-30-06(H)(2) in order to construct the Facility in accordance with this permit (PTI# 1094464) 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 OAC Rule 3745-30-06(H)(2), which requires that a landfill not located in a limestone quarry or sandstone quarry. This exemption is limited to development of the Facility in accordance with PTI# 1094464. This exemption shall remain in effect throughout the effective life of the permit unless otherwise revoked by Ohio EPA.

END OF EXEMPTION