



Environmental
Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Inspection Results
Lafarge Corporation Landfill
Paulding County

September 23, 2011

Mr. Ben Fogle, Environmental Manager
Lafarge Corporation
P. O. Box 160
Paulding, Ohio 45879

Dear Mr. Fogle:

On September 14, 2011, I, along with Mr. Ed Merriman and Mr. Abdul Smiley, represented the Ohio Environmental Protection Agency (Ohio EPA) and conducted an inspection of the Lafarge Corporation Landfill (Facility) for compliance with the residual waste regulations contained in Chapter 3745-30 of the Ohio Administrative Code (OAC). The Facility is currently classified as a Class III residual waste landfill. You, along with Mr. Jim Reynolds, represented the Facility during the inspection. The weather at the time of the inspection was clear and mild.

An administrative survey of the Facility records was conducted. The daily, weekly, and monthly inspection logs for June 6, 2011, through September 11, 2011, were inspected. Form 2 was not complete in its entirety, as it did not contain the daily amount of Cement Kiln Dust (CKD) disposed at the Facility, as populated by quarry personnel. Please ensure this information is populated on the form. Relevant comments have been made in the daily log of operations, Form 3. Please continue to ensure all personnel are aware of the importance of completing the inspections and properly completing the log. **Furthermore, Ohio EPA continues to request that all associated documentation (i.e. work orders and pictures) generated as a result of corrective measures and daily operations be included with the respective daily inspection checklist, Form 3. Also, Ohio EPA requests that maps be utilized to identify the daily filling locations within the cell(s), any areas of re-grading, locations of erosion, etc.** The more relevant documentation the owner/operator generates in addition to the Form 3 checklist, the better understanding of operations Ohio EPA has towards the Facility.

OAC Rule 3745-30-14(J)(1) states in part:

The owner or operator shall ensure that surface water at a residual solid waste landfill facility is diverted from areas where residual solid waste is being, or has been, deposited. The owner or operator shall ensure that a residual solid waste landfill facility is designed, constructed, maintained, and provided with surface water control structures that control run-on and runoff of surface water. These surface water control structures shall ensure minimal erosion. . .

Recent regrading of CKD waste has once again caused safety berms to continue to be constructed of CKD on top of Phase 2. According to the owner/operator, the CKD safety berms are temporary due to the regrading process. According to the owner/operator, once the Stage 6 haul road is completed the Stage 6 cell will be the only cell routinely used. Therefore, Stage 5A will no longer be used and there will be no need for safety berms in Stage 5A. In addition, ongoing steps will be taken to cover exposed CKD in Stage 5A to reduce surface water runoff from CKD. It appeared during the inspection that all surface water that comes into contact with CKD will now be contained within the landfill.

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OAC Rule 3745-30-14(B)(2) states in part:

The owner or operator shall conduct all construction and operation at a residual solid waste landfill facility in strict compliance with the applicable authorizing document(s), including permit(s) to install. . .

During this inspection on-going discussions were held regarding the owner/operator's filling procedure, and whether the owner/operator fills the landfill in accordance with the specifications within the Permit to Install (PTI) #03-9614. According to the PTI issued on July 31, 2003, the owner/operator stated in multiple locations that CKD will be placed in a "step formation" and waste will be placed in a controlled manner in 9- to 12-inch lifts for a minimum annual depth of 5.7 feet. By placing the waste in 9-12-inch lifts for a minimum annual depth of 5.7 feet, the owner/operator indicates that this will "maximize absorption" of the precipitation at the Facility. The owner/operator further states that, "After the waste has been unloaded near the working face, the waste will be spread . . . to construct the CKD bench in 9 to 12-inch lifts." The owner/operator has been and is currently dumping CKD in piles and pushing off a leading cliff edge progressing south to north in Phase 2. **The owner/operator of Lafarge Corporation Landfill remains in violation of OAC Rule 3745-30-14(B)(2) for failing to construct and operate the landfill in compliance with the PTI #03-9614.** Please ensure the owner/operator is knowledgeable of all the construction and operating requirements of the PTI. Given the nature of the current phase and stage of filling, Ohio EPA recognizes that there are operational challenges regarding corrective measures that need to take place to return to compliance with the PTI. Part of the remedy for this violation is the construction of the Stage 6 cell. This cell will allow for the proper filling of waste in a step formation. Please continue to communicate with Ohio EPA regarding your plans for achieving compliance.

As you are aware, there are ongoing communications regarding compliance with the PTI and potential effects surface water run-off is having on the groundwater at the Facility. Attaining compliance with the PTI may have an effect on the groundwater quality. The owner/operator has also placed additional intermediate cover on the western slope of Phase 2 to reduce the amount of CKD that is exposed to surface water.

The owner/operator has been communicating with Ohio EPA over the last several months regarding waste placement issues at the Facility. These issues were addressed during the review of the 2010 annual operational report in a letter dated July 22, 2011. **The owner/operator of Lafarge Corporation continues to be in violation of OAC Rule 3745-30-14(B)(2) for failing to conduct all operations in accordance with the Facility's permit to install (PTI) number 03-9614, by placing waste above the approved horizontal and vertical limits at the eastern slope and northern slope of Phase 2.** By all preliminary indications, the owner/operator has successfully placed waste back inside the permitted limits of waste placement. Be advised that documentation (i.e. isopac, etc.) will need to be submitted to demonstrate compliance with the permitted waste placement that an overfill no longer exists at the Facility.

OAC Rule 3745-30-14(E)(1)(c) states in part:

The owner or operator shall maintain the integrity of the engineered components of the residual solid waste landfill facility and repair any damage to or failure of the components. "

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During the inspection there was an area on the Stage 6 cell floor that had significant erosion to the frost protection layer exposing the geotextile covering in the leachate collection layer. Please be aware that this exposed fabric provides a conduit for surface water to enter into the leachate collection layer and also allows for the potential damage to the leachate collection layer. Please ensure proper measures are taken to fix the erosion to maintain the leachate collection layer.

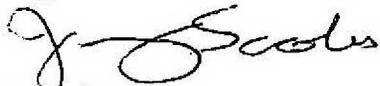
Ohio EPA continues to request that the owner/operator communicate corrective actions and/or planned corrective actions in response to the items discussed during all inspections. Telephone calls and/or e-mail correspondence are an appropriate means of communication. On September 15, 2011, Ohio EPA received an e-mail, including pictures, from the owner/operator of the Facility showing measures taken to fix the frost protection layer on the floor of Stage 6. Ohio EPA appreciates this communication.

This correspondence addresses specific observations only for the areas of the Lafarge Corporation Class III residual waste landfill that were inspected. Nothing present in, nor absent from this correspondence is intended to mean that no other violations existed at the Facility at the time of inspection.

Compliance with the requirements outlined in this letter, or the solid and infectious waste provisions contained in Ohio Revised Code Chapter 3734 and the rules promulgated thereunder, does not relieve the owner/operator of Lafarge Corporation Landfill from their obligation to comply with other applicable state and federal laws and regulations.

Please contact me at (419) 373-3079 if you have any questions concerning this inspection.

Sincerely,



Jeremy Scoles, RS
Environmental Specialist II
Division of Materials and Waste Management

/cs

pc: Jim Reynolds, Quarry Manager, Lafarge
DMWM-SW, Paulding County, Lafarge Corporation, Inspections

ec: Abdul Smiley, Mike Reiser, Ed Merriman