



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

June 21, 2010

**RE: JEFFERSON COUNTY
FAC - C&D DISPOSAL TECHNOLOGIES, LLC**

Mr. Joseph Scugoza
C&D Disposal Technologies LLC
3250 County Road 26
P.O.Box 2219
Wintersville, Ohio 43953

Dear Mr. Scugoza:

On May 25, 2010, I conducted an inspection of the C&D Disposal Technologies Landfill (facility). I was accompanied by Carla Gampolo of the Jefferson County Health Department and Aaron Wolf, Aaron Pennington and Melody Stewart of the Ohio Environmental Protection Agency.

We met with Dennis Appolitto prior to our inspection and informed him that Ohio EPA would be conducting an inspection of the facility including the inactive disposal area, active disposal area and the rail unloading area. The following violations were observed during our inspection and were discussed with Mr. Appolitto.

C&D Disposal Technologies, LLC was in violation of the following Ohio Administrative Code (OAC) Rules:

- 1) OAC 3745-400-11(B)(1) - the owner or operator shall conduct all operations at the facility in strict compliance with the license, any orders, and other authorizing documents issued in accordance with Chapter 3714. of the Revised Code.

On June 15, 2010, Ohio Environmental Protection Agency (Ohio EPA) received a copy of the cover letter and maps recently submitted to the Jefferson County General Health District by Walter & Haverfield, LLP on behalf of C&D Disposal Technologies, LLC. One map partially showed the topography of the amassed debris at the landfill as of May 14, 2010. And the second map provided an isopach comparing the relative elevations of the amassed debris versus the 2007's licensed top of waste. This information has been reviewed by Ohio EPA's engineering staff and has generated the following comments.

The topographic map generated the following observations.

- a) The topographic map covers only 12.8 acres of the facility's 20.0-acre certified limits of debris placement. The balance of the acreage falls within the active Cell 1C-1 and the adjacent northern, intermediate slope of Cells 1A and 1B.
- b) To the extent shown, the topographic map delineated both the licensed horizontal limits of debris placement and the amassed debris' limits. This comparison clearly shows at least three areas where the horizontal limits have been exceeded. These areas are approximately 3/4-acre and consist of some 3,000 cubic yards of debris in total.

- c) Based on a review of the information provided, the landfill's slopes far exceed the standard cap's maximum slope of four horizontal to one vertical. In fact, the landfill's slopes are typically greater than three horizontal to one vertical.
- d) Within the licensed horizontal limits of debris placement, the volume of the overfill is approximately 246,000 cubic yards. As noted above, an additional 3,000 cubic yards is disposed outside the licensed limits of debris placement.

Based on site observations and a review of the field survey provided to Ohio EPA by the Jefferson County General Health District, it has been determined that C&D Disposal Technologies, LLC has exceeded the authorized vertical and horizontal waste limits. Therefore, C&D Disposal Technologies, LLC is in violation of the aforementioned regulation for failure to comply with the authorizing documents.

- 2) OAC 3745-400-11(B)(1) - the owner or operator shall conduct all operations at the facility in strict compliance with the license, any orders, and other authorizing documents issued in accordance with Chapter 3714. of the Revised Code.

In accordance with the 2007 license, C&D Disposal Technologies, LLC was required to install leachate storage tanks within the limits of waste placement and provide for double containment. At the time of my inspection, the tanks and double containment were not installed as required by the 2007 license. Therefore, C&D Disposal Technologies, LLC is in violation of the aforementioned regulation.

- 3) OAC Rule 3745-400-11(E)(1) - the owner or operator shall maintain the integrity of the engineering components of the facility and repair any damage to or failure of the components. "Engineered Components" includes the components described in rule 3745-400-07 of the Administrative Code and components of the ground water monitoring system(s) installed in accordance with rule 3745-400-10 of the Administrative Code.

At the time of inspection, leachate sump number one had no pumps installed in the down slope riser or a control panel for the pumps. The facility is in violation of this rule for failure to repair the pumps and control panel.

- 4) OAC Rule 3745-400-11(F)(2) - The owner or operator of a facility shall not dispose of any solid wastes.

At the time of inspection, Ms. Gampolo and I walked the previously filled areas of cell 2 where we observed numerous areas of exposed waste containing solid waste such as clothing, toys, non-construction related packaging, tires, mattresses, milk crates, garden hose, books, sports equipment and other solid waste. Solid wastes were also observed in the cell one active disposal area. At the time of my inspection, I observed site personnel dispose of waste over previously placed waste that still had solid waste such as soda bottles, rolled carpet, non-construction related paper, books, household cleaning supplies, and tool cases. Personnel indicated waste had not been placed within a 24-hour period. The facility is prohibited by the aforementioned regulation from the disposal of solid waste. All solid waste not specifically allowed by this regulation must be removed and taken to an approved solid waste facility.

- 5) OAC 3745-400-11(3)(d) - Clipping is prohibited. For the purpose of this rule, clipping is the formation of an edge or cliff by the placement of debris to the working face without compacting.

At the time of my inspection, a cliff had been created on the eastside of the working face. This cliff was approximately 15-20 feet. This is a violation of the aforementioned regulation.

- 6) OAC 3745-400-11(H) requires that an owner or operator shall operate the facility in a manner that prevents fires by doing the following:
- (I) Covering all disposed combustible debris on a weekly basis with soil, clean hardfill, or other material which is noncombustible. For the purpose of this rule, covering means to apply noncombustible material in a manner such that combustible debris is not visible.

At time of inspection, exposed waste was observed in cell 2 that had been exposed in excess of the one-week requirement. Also, the toe and western side of cell one was also not properly covered with weekly cover as required by this rule. The facility is in violation for failure to properly cover the exposed waste in cell two and the toe of cell one where exposed waste was observed.

- 7) OAC 3745-400-11(O) - Leachate Outbreaks. If there is an outbreak of leachate at the surface, the owner or operator shall do all of the following:
- (1) Contain the leachate,
 - (2) Manage and dispose the leachate in accordance with applicable regulations, and
 - (3) Repair the outbreaks.

At the time of inspection, leachate outbreaks were observed on the southeast, south, and southwestern slopes. These outbreaks were leaving the waste placement area and were not properly contained. The facility had taken no action to manage the outbreaks or properly dispose of the leachate or correct the outbreaks. The facility is in violation of this regulation based on the conditions aforementioned. The facility should take action to contain the outbreaks, manage and dispose of the leachate and repair the outbreaks. Based on the location of these outbreaks, it is believed these are the result of potentially as much as 19 feet of head on the liner system.

- 8) OAC 3745-400-11(P)(1) requires an owner or operator to maintain the leachate collection system so that no more than one foot head is on liner.

At the time of our inspection, the leachate pumps in the sumps were not working and were not being maintained. Therefore, the facility is in violation for having more than one foot of head on the liner system. It is believed, based on field observations, that there may be as much as 19 feet of head on the liner system. Leachate should be removed for proper disposal until no more than one foot of head is on the liner at anytime.

- 9) OAC 3745-400-04(B) - Prohibits the illegal disposal of construction and demolition debris.

At the time of inspection, construction and demolition debris was observed scattered along the haul road leading from the rail unloading. Debris was also observed on both sides of the rail line. All illegally disposed construction and demolition debris must be cleaned up and properly disposed.

- 10) OAC 3745-27-05(C) prohibits the open dumping of solid waste onto the ground. At the time of our inspection, solid waste was observed deposited onto the ground on both sides of the rail unloading area. Solid waste was also observed deposited into the waterway leading to the creek. The facility is in violation of this regulation for the open dumping of solid waste.
- 11) ORC 6111.04 No person shall cause pollution or place or cause to be placed any wastes in a location where they cause pollution of any waters of the state.

At the time of inspection, solid waste, as well as construction and demolition debris, was observed in the waterway leading to the creek. This is a violation of this regulation.

In addition to the violations observed during the above noted inspections, C&D Disposal Technologies, LLC continues to be in violation for the following in association with the Crossridge Landfill and the October 8, 2003, Judicial Consent Order:

- 1) C&D Disposal Technologies, LLC has not established and funded financial assurance for closure and post closure care of the Crossridge Landfill as required by a Consent Order and Final Judgment (Consent Order) filed in the Jefferson County Common Pleas Court on October 8, 2003. Paragraph 9 of the Consent Order provides that Crossridge, Inc. and C&D Disposal Technologies, LLC "are enjoined and ordered to comply with the applicable provisions of OAC Rule 3745-27-19, as directed in OAC Rule 3745-27-11[(H)(1)] until all closure certifications are submitted and the post-closure care period begins." Additionally, Paragraph 12 of the Consent Order provides that Crossridge, Inc. and C&D Disposal Technologies, LLC are "enjoined and ordered to establish and fund financial assurance for final closure and post-closure care for the Facility in accordance with the applicable provisions of OAC Rules 3745-15 and 3745-27-16..."

Thus, in accordance with the Consent Order, we look to the provisions of OAC Rule 3745-27-19. Paragraph (B)(6)(f) of that rule requires compliance with the closure, post-closure care, and corrective measures financial assurance requirements of rules 3745-27-15, 3745-27-16, and 3745-27-18 of the Administrative Code.

- 2) Crossridge Landfill, Inc. and C&D Disposal Technologies, LLC have failed to establish and fund financial assurance, in violation of paragraphs 9 and 12 of the Consent Order.

The following additional violations of OAC Rule 3745-27-19(B)(6) have occurred at the Crossridge Landfill because :

The owner or operator failed to comply with all of the following:

- (a) The applicable design, construction, and testing specifications in rule 3745-27-08 of the administrative Code,
- (c) The ground water monitoring, assessment, and corrective measures requirements of rule 3745-27-10 of the Administrative Code.
- (e) The explosive gas monitoring and corrective measures requirements of rule 3745-27-12 of the Administrative Code.

JEFFERSON COUNTY
FAC- C&D DISPOSAL TECHNOLOGIES, LLC
JUNE 21, 2010
PAGE 5

The last explosive gas monitoring report received by Ohio EPA for Crossridge Landfill is dated November 29, 2007. In accordance with OAC Rule 3745-27-12 and the approved Explosive Gas Management Plan for Crossridge Landfill, explosive gas monitoring is to be conducted quarterly. Therefore, Crossridge, Inc. and C&D Disposal Technologies, LLC are in violation of OAC Rule 3745-27-12 and the approved Explosive Gas Management Plan.

The September 2005 approved Ground Water Detection Monitoring Plan was to be fully implemented by April 1, 2006. On December 3, 2007, correspondence from you to Ohio EPA contained a timeline for completion of activities for implementation of the ground water monitoring plan. This included installation of monitoring wells and the implementation of ground water sample collection and analysis. To date, no activities pursuant to the ground water monitoring plan has been implemented. Therefore, Crossridge, Inc. and C&D Disposal Technologies, LLC are in violation of OAC Rule 3745-27-10 and the approved Ground Water Monitoring Plan.

Please respond to the Southeast District Office within 14 days detailing your actions taken to abate the above noted violations. Please feel free to contact me at 740-380-5435 if you have any questions regarding the above referenced inspections.

Sincerely,

 for DWW

Dale W. Warner, R.S.
Environmental Specialist
Division of Solid and Infectious Waste Management

DWW/jg

cc: Marc Maragos, Jefferson County Health Department