



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

January 5, 2010

**RE: JEFFERSON COUNTY
FAC-CARDINAL RSW LANDFILL
COM**

Cardinal Residual Landfill
Attn.: Mr. Randy Simms
306 County Road 7E
Brilliant, Ohio 43913

Dear Mr. Simms:

On December 16, 2009, I accompanied Carla Gampolo of the Jefferson County Health District on an inspection of the Cardinal Residual Solid Waste (RSW) Landfill. We were accompanied by you during our inspection. At the time of inspection, it was determined that the Cardinal RSW Landfill had several areas that had not received waste for 180 days and should have received intermediate cover. Cardinal RSW Landfill is in violation of the following regulation:

Ohio administrative Code 3745-30-08(G) Intermediate cover.

- (1) To minimize infiltration, intermediate cover shall be applied to all filled areas of a residual solid waste landfill facility where additional residual solid waste is not to be deposited for at least one hundred eighty days. The director may approve the use of some alternate time period, if the owner or operator can demonstrate to the satisfaction of the director that, by use of the alternate time period, infiltration will not be increased.

Please be advised that Cardinal RSW Landfill must apply intermediate cover that meets the following requirements of OAC 3745-30-08(G):

- (2) Intermediate cover material shall be nonputrescible and have low permeability to water, good compactability, cohesiveness, and relatively uniform texture, and shall not contain large objects in such quantities as may interfere with its application and intended purpose. A twelve-inch thick layer of soil, consisting of well-compacted loam, silt loam, clay loam, silty clay loam, silty clay or some combination thereof, shall be used. The owner or operator may use other materials and/or thicknesses for intermediate cover if the owner or operator can demonstrate to the satisfaction of the director that the proposed intermediate cover material and/or thickness provides comparable and adequate protection.

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- (3) Intermediate cover in an area shall be removed or otherwise prepared as necessary prior to the placement of the next layer of residual solid waste in that area so as not to impede the flow of leachate to the leachate management system within the limits of residual solid waste placement.
- (4) The owner or operator shall perform measures to protect the intermediate cover from erosion.

Please provide a written response within 15 days of receipt of this letter detailing how Cardinal RSW Landfill will correct the aforementioned violation. If you have any questions, please feel free to connect me at (740-380-5435).

Sincerely,



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

DWW/jg

cc: Jefferson County Health Department
Dana Limes, AEP 1 Riverside Plaza, Columbus Ohio 43215-2373