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Staff Action Detail

Work Request - 841

Staff Action ID: 55764

Staff Name: Bryon Whiting

Status: Closed

Action Taken: Technical Assistance

Date of Staff Action: 10/01/2010

Program Id:

Program Type: Solid Waste

Staff Action: Investigation for Work Request

Authority:

Notes:

bryon.whiting@dnr.iowa.gov

10/05/2010

Completed inspection on 10/1/10. New cell was constructed in apparent conformance to the September 28, 2010 certification report. See attached memo dated 10/5/10.

KH

County Contact

County Contact:

Date:

Fax Confirmation:

Attached Documents

Description	Location
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DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION
Field Office 3, Spencer

MEMORANDUM

DATE: October 5, 2010

TO: Matt Phoenix, Environmental Engineer, PP&ES, E&WMB, DNR, Des Moines

FROM: Bryon Whiting, Environmental Specialist Senior, ESD, DNR, Spencer *BW*

RE: 10/1/10 Initial Inspection of Constructed Cell Phase III of Trench 11-S and Trench 10-S at the Plymouth County Solid Waste Agency Landfill (Permit #75-SDP-01-74P) - Work Request #841

In response to a work request (#841) from environmental engineer Matt Phoenix of the central office, I arranged and conducted an initial inspection on October 1, 2010, of the recently completed (August 25, 2010) constructed Cell known as Phase III of Trench 11-S and Trench 10-S at the Plymouth County Solid Waste Agency Landfill (Permit #75-SDP-01-74P) located several miles north of Le Mars in Plymouth County, IA. Accompanying me was landfill manager Mark Kunkel. The purpose of this visit was to determine if the construction was complete and compliant relative to Subrule 567 IAC 113.4(6).

Matt Phoenix received the Phase III Liner Certification report on September 3, 2010 and the Phase III certification and survey data sent via e-mail from project engineer Scott Langel on August 27, 2010. Those reports had several deficiencies and a revised certification report was received and reviewed by Matt Phoenix on September 28, 2010. Matt found the revisions to be acceptable yet he was waiting on several lab reports. This cell is located adjacent and to the south of Cell Phase II of Trench 11-S and Trench 10-S that was constructed in the summer of 2006 and approved by permit amendment #3 to permit #75-SDP-01-74P issued on June 20, 2005.

During this October 1, 2010 visit, I observed that Phase III in Trench 11-S and Trench-10-S appeared to be constructed in accordance with the certification report sent to Matt Phoenix on September 28, 2010. The liner was constructed to be Subtitle D compliant. Overall, Phase III in Trench 11-S and Trench-10-S construction is complete and constructed with an apparent good care effort. Mr. Kunkel indicated he was satisfied with the quality of work. He also indicated that he has positive surface water drainage on the sides of Trench 11-S and Trench 10-S which he was pleased about. Mr. Kunkel had placed a plug in the leachate collection line but has removed it since very little leachate was coming from Phase II of Trench 11-S and Trench 10-S. During this visit, the leachate pond was clear and Mr. Kunkel was using a small water pump to spray water from the pond back into the pond as a means to induce aeration and provide some treatment. Mr. Kunkel indicated he would have no trouble covering Phase III in Trench 11-S and Trench 10-S with two feet of solid waste and two feet of cover by December 1, 2010, in accordance with our rules.

Therefore, based on these observations and discussion, the construction of Phase III in Trench 11-S and Trench-10 S appears to be in substantial compliance with the September 28, 2010 approved certification report.