



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

June 26, 2013

Mr. Nathan Taylor
Republic Services
5131 Drinkle Road SW
Amanda, Ohio 43102

RE: Cherokee Run Landfill Reconnaissance Inspection / Notice of Violation

Dear Mr. Taylor:

On June 13, 2013, Joe Reynolds, representative of Ohio EPA Southwest District Office, conducted a Reconnaissance Inspection at the Cherokee Run Landfill, 2946 US Route 68 North, Bellefontaine.

The inspection was conducted as part of the agency's review of the compliance status of the landfill with respect to the terms of its National Pollutant Discharge Elimination System (NPDES) permit. A review of final effluent compliance revealed a total of 14 suspended solids violations. The specific outfalls where the violations occurred have been noted. A written follow-up which address the cause of these violations has been provided. No additional information is needed at this time.

The findings from the inspection are included in the attached report. There are no items that require a response at this time.

If you have any questions regarding the report, please contact Joe Reynolds at (937) 285-6097.

Sincerely,


Martyn Burt
Compliance Supervisor
Division of Surface Water

MB/kb

Enclosure

cc: Kim Cassady, Logan County Health Department
Season Wall, Republic Services
Monte Bluebaum, Ohio EPA, DMWM, SWDO
Mike Joseph, Ohio EPA, DMWM, SWDO



**State of Ohio Environmental Protection Agency
Southwest District Office**

NPDES Compliance Inspection Report

Section A: National Data System Coding

Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
11I00125*DD	OH0127191	6/13/2013	R	S	1

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Cherokee Run Landfill 2946 State Route 68 Bellefontaine, Ohio	9:05 AM	9/1/2012
	Exit Time	Permit Expiration Date
	10:30 AM	8/31/2017
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Nathan Taylor, Env. Manager	(740) 969 - 4711	
Season Wall, Env. Manager	(937) 539 - 1640	
Ed Obrian, Lead Operator	(937) 539 - 1640	
Name, Address and Title of Responsible Official	Phone Number	
Nathan Taylor, Environmental Manager 5131 Drinkle Road SW Amanda, Ohio 43102	(740) 969 - 4487	

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	N	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	N	Compliance Schedule
S	Operations & Maintenance	M	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	N	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)

See attached report.

Inspector		Reviewer	
Date	6/26/13	Date	6/26/13
Joe Reynolds Division of Surface Water Southwest District Office		Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office	

Inspection Findings

Cherokee Run Landfill currently holds National Pollutant Discharge Elimination System (NPDES) permit number 11I00125*DD. This permit is for the discharge of storm water from sedimentation ponds located at the landfill. The permit will expire on August 31, 2017.

On Thursday June 13, 2013, a reconnaissance inspection was conducted at the facility (2946 State Route 68 North, Bellefontaine) to determine compliance with the terms and conditions of the NPDES permit. Ray Lewis, Nathan Taylor, Season Wall, and Ed O'Brian represented the facility during the inspection.

The NPDES permit contains six storm water outfalls (001 through 006). Outfalls 001 through 004 are located within the existing landfill foot print. Outfalls 005 and 006 will serve a pending expansion. All of the outfalls are associated with sedimentation pond discharges.

In response to suspended solids violations that have occurred at various outfalls, a site investigation and recommendation report was put together in June 2012. Report recommendations that have been implemented include establishment of final cover on 11 acres located on the north and northeast side of the landfill. Seeding was completed on 10 acres on the east side. Rock check dams / fore bays were added to the north and south drainage ways. Rip Rap was added and sediment was removed from the pond inlets, and outlets. Sediment was removed from the ponds. Slope rock mats (see attached) were added to letdowns on the north, south and east side.

A review of pond design capacities found current designs are adequate to handle the 10 year / 24 hour storm. The ponds are capable of handling a 25 year / 24 hour storm without spillway activation.

Heavy rains and snow melt contributed to suspended solids violations in January. A failure of the northeast letdown (system was undercut by heavy rains) contributed to solids violations in March.

After each storm event that creates sediment run-off all of the check dams and fore bays are cleaned out. This can produce as much as 6 truckloads of sediments. The increased maintenance and added controls have helped to control the amount of sediment reaching the storm water ponds.

Inspection Findings (cont.)

The main areas of exposure noted during the inspection were on the East side (active landfill) and the South side expansion of landfill access road and toe of landfill. Additional gas line work on the east side also added to some exposures.

Cherokee Run will continue to monitor compliance with NPDES discharge limits at the various outfalls. Additional controls to include check dams, permanent discharge risers, and turbidity barriers could be added if current controls are not effective. Routine review of sediment controls will need to be performed as the landfill expands.

Preliminary work to expand the landfill to the southwest of the existing landfill is finishing up. Active landfilling should begin in 2015. Storm water from this area will be discharged through a sedimentation basin permitted as outfall 005.

Between January 2012 and April 2013 Cherokee Run Landfill reported 15 Total Suspended Solids violations. The violations were as follows: outfall 001 four violations, outfall 002 two violations, outfall 003 three violations, and outfall 004 six violations.

Cherokee Run Landfill
2012 Final Cover Construction
Photograph Log



Photograph #67

Description:

Erosion control matting was installed in the flow line of the terraces.



Photograph #68

Description:

The contractor placed Protective Cover soil to construct the down chute at the northwest corner of the Final Cover. In the down chute a tied concrete block mat (Flexamat) was installed.

Cherokee Run Landfill
2012 Final Cover Construction
Photograph Log



Photograph #69

Description:

The Flexamat was installed using a small excavator. The material was secured in place using pins.



Photograph #70

Description:

A view of the Flexamat erosion control material.

