



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST REGIONAL OFFICE

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October 24, 2013

Chrin Brothers Sanitary Landfill, Inc.  
c/o Mr. Greg Chrin  
635 Industrial Drive  
Easton, PA 18042

Re: Engineer's Monthly Status Report  
Chrin Brothers Sanitary Landfill, Inc.  
Williams Township, Northampton County  
Permit No. 100022

Dear Mr. Chrin:

This Engineer's Status Report is for the month of September. This Report is informational only, without deadlines, and a response is required only if objections are taken to the items mentioned. Our monthly meeting was held at the Chrin offices on Thursday, October 17, 2013.

**A. Pending Permit Applications:**

No applications are pending at this time.

**B. Construction Schedule:**

1. Working face is currently in Stage 7. Average amount of waste accepted is approximately 600 tons/day. Waste from the excavation of the Stage 3D/3E slide area is being mixed with incoming waste for disposal.
2. As of the date of our meeting, the MSE berm for Stage 8 was nearly complete; approximately two more lifts remain to be placed.
3. Stage 7 Highwall, Increment 5, liner work is scheduled for October 24 and 25.

**C. Groundwater:**

1. Monitoring plan includes 18 groundwater wells and 3 abatement wells. MW-1 and DM-2 are located within the Stage 3D/3E slide area. MW-1 was damaged during excavation work on July 26 and has been repaired. DM-2 was uncovered on September 20 and has been repaired. It was sampled at the scheduled sampling event on October 10.

**D. Gas Management:**

1. As of the date of our meeting, Flare 1 (candlestick) was operating at 294 scfm at 905°F and 23.2% methane. Flare 3 was at 1134 scfm at 1679°F and 48% methane. Flow to PPL was 660 scfm and 40% methane.
2. Two gas wells, DR023 and DR024, were decommissioned during excavation activities on October 17. Chrin had previously obtained DEP approval for the work to be done.

**E. Leachate Management:**

1. Total leachate flow was 702,164 gallons for September, and average daily flow was 23,405 gallons/day. All of the leachate flowed directly to the local wastewater treatment plant.
2. Pump Stations 1 and 5 are fully operational. PS-6R, a leachate extraction well, was installed to replace Pump Station 6. PS-6R has three vertical sumps (#1, #2, and #3). As of October 17, approximately 296,615 gallons of leachate have been pumped from PS-6R and sent to the local waste treatment plant.
3. A leachate interceptor riser pipe/interceptor pump in Stage 3E, Phase II was installed on May 21, to determine if leachate from outside the slide area is migrating to the slide area. Levels are being monitored daily. No accumulation of liquid or increased flow has been noted to date.
4. PS-6 pump and risers were found in the slide area on July 3. The pump was piped to PS-1 on July 8 and is operational. As of October 17, approximately 1,050,834 gallons of leachate have been pumped to PS-1 from the recovered PS-6 riser. The electrical panel for PS-6 was uncovered in the Phase II area last week.
5. As of October 17, the total amount of leachate pumped from PS-6 and PS-6R since the March 12 slide is approximately 1,347,449 gallons.

**F. Site Observations:**

1. Litter – No issues observed.
2. Odor – No offsite odors were detected in a drive around the perimeter of the site prior to this meeting.
3. Daily cover – No issues observed.
4. Intermediate cover – No issues observed.
5. Posi-Shell Areas – Posi-Shell is being sprayed on the excavation area at the end of daily operations to contain potential odors. It has also been sprayed on the top slope above the excavation area, and in the area of the slide adjacent to Industrial Drive periodically. No issues observed.

6. Industrial Drive – Remains closed. No additional movement in the area has been detected since the slide of March 12. If the current excavation schedule holds, Industrial Drive should be reopened around November 1.
7. Waste Removal Operations – As of October 17, the following approximate amounts of waste have been excavated and transferred from the areas identified in the Interim Stabilization Plan: Phase I area, 105,740 cu. yds.; Phase II area, 30,425 cu. yds.; Phase III area, 27,300 cu. yds.; and Phase IV area, 2,825 cu. yds. The total for all areas as of October 17 is 166,290 cu. yds.
8. Stormwater Controls –No issues observed.

**G. Miscellaneous:**

Enclosed as part of this Report is the monthly Engineer's Report Summary from Chrin Landfill for September, which includes site operations, radiation monitoring, truck safety, leachate management, and report submittals.

If you have any questions or comments concerning this report, please contact me at (570) 826-2064.

Sincerely,



Susan E. French  
Environmental Engineer  
Waste Management Program

Enclosure

cc: Jan Hutwelker, P.E., EarthRes Group (w/enclosure)  
Ms. Jennifer Smethers, Williams Township Manager (w/enclosure)  
Mr. Rich Adams, Williams Township (w/enclosure)  
Mr. Timothy Edinger, T&M Associates (w/enclosure)



CHRIN BROTHERS, INC.

**CHRIN BROTHERS SANITARY LANDFILL  
ENGINEER'S REPORT SUMMARY  
For September 2013**

Date: October 17, 2013

**1. Site Operations:**

a. Average Daily Permitted Volume	<u>1500 Tons</u>	Tons
b. Maximum Daily Permitted Volume	<u>2000 Tons</u>	Tons
c. Permitted Area	<u>108</u>	Acres
d. Permitted Disposal Area	<u>73</u>	Acres
e. Number of Capped Acres	<u>26.4</u>	Acres
f. Number of Temporary Capped Acres	<u>24.5<sup>1</sup></u>	Acres
g. Number of Acres Constructed	<u>71.09<sup>2</sup></u>	Acres

**2. Radiation Monitoring:**

a. Number of Trucks that Tripped the Radiation Meter	<u>1</u>
b. Number of Trucks on Hold or Rejected	<u>0</u>

**3. Truck Safety & Overweight's:**

a. Number of Overweight Trucks	<u>33</u>
b. Number of Trucks Rejected Due to Overweight	<u>0</u>

**4. Leachate Management:**

a. Total Leachate Flow from Combination Sumps/Gravity	<u>702,164</u>	Gallons
b. Depth Levels	<u>Normal</u>	
c. Leachate Detection/Witness Zone Flow:		
i. WZ5	<u>4.6</u>	g/a/d
ii. WZ6	<u>NA</u>	g/a/d
d. Average Daily Flow	<u>23,405</u>	Gallons/Day
e. Leachate Hauled Off Site	<u>0</u>	Gallons

**5. Lechate Storage:**

a. Total Influent Storage Capacity	<u>1,306,000</u>	Gallons
b. 25% Influent Storage Capacity	<u>326,500</u>	Gallons
c. Current Wastewater Stored	<u>0</u>	Gallons

**6. Reports Submitted**

a. Quarterly Progress Report	<u>10/11/2013</u>
b. Groundwater Treatment Monthly Report	<u>10/1/2013</u>

<sup>1</sup> This includes 18 acres of temporary cap, 4.8 of which were installed in December, and approximately 6.5 acres of raintarp.

<sup>2</sup> This includes Stage 6-2's 0.6 acres installed in December.

<sup>3</sup> PS-6 pump / risers were found in the slide area. The pump is operational. This added extra flow to the month as Chrin pumped down to normal levels.