

October 26, 2016

Chrin Brothers Sanitary Landfill
c/o Mr. Greg Chrin
1225 Industrial Drive
Easton, PA 18042

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



Mark
Ray
George
Rick
Jew
Row
LAC

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 20.

A. Pending Permit Applications:

1. A minor permit modification was received on September 30, 2014, to reconstruct Stages 3D and 3E and is under review.
2. A major permit modification for the eastern site expansion was received on November 9, 2015 and is under review.

B. Construction Schedule:

1. Working face is currently in Stages 4 and 5, Cells E1 to E6, and Stage 8, Increment 3. Average amount of waste accepted is approximately 750 to 800 tons/day.
2. Placement of lifts for the MSE berm has begun; completion of Increment 4 of the berm is planned for the end of November to early December. After that, the liner for the cell will begin and should take a few days (about ¼ acre).

C. Groundwater:

1. The monitoring plan includes 18 groundwater wells and 3 abatement wells.

D. Gas Management:

1. At the time of our meeting, Flare 3 down for a few hours for routine maintenance. Flare 4 was operating at 1170 scfm. PPL was also down for maintenance.
2. There are currently 145 vertical wells, 16 horizontal collectors, and 50 leachate cleanouts/perimeter drains.

E. Leachate Management:

1. Total leachate flow from the landfill was 1,035,453 gallons for September, and average daily flow was 34,515 gallons/day. All of the leachate flowed directly to the local wastewater treatment plant.

2. Due to the depth of the slide excavation, the three vertical pumps are pumping very little. PS-1R is still in service but only comes on about once/day.

F. Site Observations:

1. Litter – No issues observed.
2. Odor – No issues observed.
3. Daily cover – No issues observed.
4. Intermediate cover – No issues observed.
5. Posi-Shell[®] Areas – No issues observed.
6. Stormwater Controls – No issues observed.
7. Waste Removal Operations – Work continues in the slide area. Pace of waste removal is about 1,200 to 1,400 CY/day. Two excavators and five trucks were being used during the time of my visit. The bottom of the slope/Stage 3D is now visible. Waste from the slide area is being disposed in Stage 8. Approximate total waste excavation/ relocation figures in the slide area as of the September 30 topographic survey are:
 - Phase I – Approximately 134,013 CY (100%+ complete)
 - Phase II – Approximately 41,141 CY (96% complete)(no change)
 - Phase III – Approximately 225,303 CY (100%+ complete)
 - Phase IV – Approximately 50,760 CY (96% complete)(no change)
 - Phase V – Approximately 190,206 CY (55% complete)

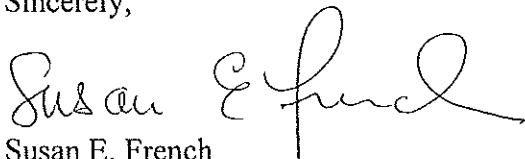
For September, about 36,680 CY were removed from Phases I, III, and V areas, above their target volumes of 12,000 to 19,000 CY/month.

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
Waste Management Program

Enclosure

cc: Tom McMonigle, P.E., Chrin Landfill (w/enclosure)
Jan Hutwelker, P.E., EarthRes Group (w/enclosure)
Ms. Jennifer Smethers, Williams Township Manager (w/enclosure)
Mr. Rich Adams, Williams Township (w/enclosure)
Mr. Ronald Madison, Maser Consulting P.A. (w/enclosure)



**CHRIN BROTHERS SANITARY LANDFILL
ENGINEER'S REPORT SUMMARY
For September 2016**

Date: October 20, 2016

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>24.5¹</u>	Acres
g. Number of Acres Constructed	<u>71.09²</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>26</u>
b. Number of Trucks Rejected Due to Overweight	<u>0</u>

4. Leachate Management:

a. Total Leachate Flow from Combination Sumps/Gravity	<u>1,035,453</u>	Gallons
b. Depth Levels	<u>Normal</u>	
c. Leachate Detection/Witness Zone Flow:		
i. WZ5	<u>12.2</u>	g/a/d
ii. WZ6	<u>NA</u>	g/a/d
d. Average Daily Flow	<u>34,515</u>	Gallons/Day
e. Leachate Hauled Off Site	<u>0</u>	Gallons

5. Leachate 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>19.9</u> ft. = <u>398,000</u>	Gallons

6. Reports Submitted

a. Quarterly Progress Report	<u>Q3 2016 report submitted on October 13, 2016</u>
b. Groundwater Treatment Monthly Report	<u>10/3/2016</u>

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

² This includes Stage 6-2's 0.6 acres installed in December.

