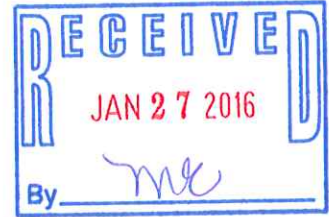


January 25, 2016



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  
Jen  
LTC*

Dear Mr. Chrin:

This Engineer's Status Report is for the month of December, 2015. 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, January 21.

**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 8 and Cells E1 to E3. Average amount of waste accepted is approximately 800 to 850 tons/day.
2. Work on the MSE berm at Stage 8 continues, with occasional stoppages due to cold weather.

**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 1 was operating at 46 scfm and 896°F. Flare 3 was operating at 1176 scfm and 1671°F. PPL flow was 1089 scfm.
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 1,144,690 gallons for December, and average daily flow was 36,925 gallons/day. All of the leachate flowed directly to the local wastewater treatment plant.
2. The PS-6 secondary flow, from the witness zone pump, was 314,580 gallons for December. Approximately 8,475 gallons of leachate were pumped in December from the three vertical pumps (PS-6R). Excavation in Phase V is coming near these pumps, so they will be cut down to ground level as work progresses, but left in place.
3. All flows from PS-6 and PS-6R went to PS-1.

**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. Industrial Drive – Open; no issues observed.
7. Waste Removal Operations – Work continues in the slide area. One excavator and three trucks were being used during the time of our visit. Waste from the slide area is being disposed in Stage 8. Approximate total waste excavation/relocation figures in the slide area as of the December 31, 2015, topographic survey are:
  - Phase I – Approximately 120,100 CY (100%+ complete)(no change)
  - Phase II – Approximately 40,305 CY (93% complete)
  - Phase III – Approximately 178,335 CY (80% complete)
  - Phase IV – Approximately 50,760 CY (96% complete)(no change)
  - Phase V – Approximately 29,331 CY (8% complete)For December, about 23,471 CY were removed, from Phase II, III and V areas.
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 December, which includes site operations, radiation monitoring, truck safety, leachate management, and report submittals.

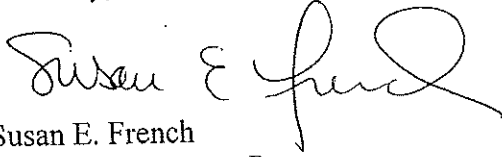
If you have any questions or comments concerning this report, please contact me at (570) 826-2064.

Mr. Greg Chrin

-3-

January 25, 2016

Sincerely,

A handwritten signature in cursive script that reads "Susan E. French". The signature is written in black ink and is positioned above the printed name.

Susan E. French  
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 SANITARY LANDFILL  
ENGINEER'S REPORT SUMMARY  
For December 2015**

Date: January 21, 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>24.5<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>0</u>
b. Number of Trucks on Hold or Rejected	<u>0</u>

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

a. Number of Overweight Trucks	<u>17</u>
b. Number of Trucks Rejected Due to Overweight	<u>0</u>

**4. Leachate Management:**

a. Total Leachate Flow from Combination Sumps/Gravity	<u>1,144,690</u>	Gallons
b. Depth Levels	<u>Normal</u>	
c. Leachate Detection/Witness Zone Flow:		
i. WZ5	<u>8.5</u>	g/a/d
ii. WZ6	<u>NA</u>	g/a/d
d. Average Daily Flow	<u>36,925</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>7.4</u> ft. = <u>148,000</u>	Gallons

**6. Reports Submitted**

a. Quarterly Progress Report	<u>Q4 2015 report submitted on January 14, 2016</u>
b. Groundwater Treatment Monthly Report	<u>1/4/2016</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.

