



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST REGIONAL OFFICE

November 29, 2011

Mr. Greg Chrin  
Chrin Brothers, Inc.  
635 Industrial Drive  
Easton, PA 18042

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



*George  
Fred  
Sally  
Rick  
Joe B  
Deb  
LAC*

Dear Mr. Chrin:

This Engineer's Status Report is for the month of October. 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, November 17, 2011.

## A. Pending Permit Applications:

1. Major Permit Modification to expand permit boundary – We discussed revisions to the proposed boundary.

## B. Construction Schedule:

1. Working face is currently in Stages 6 and 7, Cells E-4 through E-6, and Stage 1. Stages 4, 3C and 5 are also available but are not in use at this time.
2. Work on the sub-grade construction for Stage 6-2 was completed earlier this month. Liner construction will begin shortly.
3. Stage 8 pre-construction is continuing. Building 501 demolition is partly complete; the last phase of this demolition will most likely take place in the Spring of 2012.
4. Stage 7 highwall construction is now scheduled for the Spring of 2012.
5. Work on Zone D of the temporary cap (4.8 acres) in Phase 7 is expected to begin soon. All materials needed are on site. It is required to be completed by December 31 of this year.

## C. Groundwater:

1. Monitoring 14 groundwater wells and 3 abatement wells.

2. Five new wells are proposed as part of the Phase I Investigation for the eastern landfill expansion.

**D. Gas Management:**

1. Total number of landfill gas wells: 122 vertical, 53 horizontal and 17 leachate cleanouts for a total of 192 gas extraction points.
2. Approximately six new gas wells are proposed to be installed by the end of the year or early next year. They will be mainly in Stages 6 and 7.
3. As of November 17, Flare 3 was operating at 660 scfm. Flare 4 was operating at 791 scfm. Flow to PPL was 1,331 scfm.

**E. Leachate Management:**

Average daily flow was 52,496 gallons/day for October. Total leachate flow for the month was 1,627,383 gallons. All of the leachate flows directly to the local wastewater treatment plant.

**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.

**G. Miscellaneous:**

1. A Phase I Investigation Work Plan for the eastern and southern expansion was submitted to DEP in February, 2011. The proposed expansion will add approximately 20 acres to the existing disposal footprint. The Work Plan is under technical review.
2. Enclosed as part of this Report is the monthly Engineer's Report Summary from Chrin Landfill for October, which includes site operations, radiation monitoring, truck safety, leachate management, and report submittals.
3. Deborah Patterson announced her retirement and stated that this is her last monthly engineer's meeting at the landfill.

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

Sincerely,

A handwritten signature in black ink that reads "Susan E. French". The signature is written in a cursive style with a large, looped "S" and "F".

Susan E. French  
Environmental Engineer  
Waste Management Program

Enclosures

cc: Mr. Ellis Boury/CEC Engineering (w/enc.)  
Mr. Scott Brown/Hanover Engineering, Inc. (w/enc.)  
Ms. Deborah Patterson, Williams Township (w/enc.)



**CHRIN BROTHERS SANITARY LANDFILL  
ENGINEER'S REPORT SUMMARY  
FOR October 2011**

Date: November 17, 2011

**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>17<sup>1</sup></u>	Acres
g. Number of Acres Constructed	<u>70.49</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>22</u>
b. Number of Trucks Rejected Due to Overweight	<u>0</u>

**4. Leachate Management:**

a. Total Leachate Flow from Combination Sumps/Gravity	<u>1,627,383</u>	Gallons
b. Depth Levels	<u>Normal</u>	
c. Leachate Detection/Witness Zone Flow:		
i. WZ5	<u>7.9</u>	g/a/d
ii. WZ6	<u>31.2</u>	g/a/d
d. Average Daily Flow	<u>52,496</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. Semi-annual air reports	<u>7/29/2011</u>
b. Quarterly Progress Report	<u>10/17/2011</u>
c. August Temp Cap Report	<u>9/1/2011</u>
d. September Temp Cap Report	<u>9/28/2011</u>
e. Groundwater Treatment Monthly Report	<u>10/3/2011</u>

<sup>1</sup> This includes 10.5 acres of temporary cap, and 6.5 acres of raintarp.