



April 19, 2017

Keystone Sanitary Landfill, Inc.
c/o Mr. Dominic DeNaples Jr, Site Manager
249 Dunham Drive
Dunmore, PA 18512

Re: Engineer's Monthly Status Report
Keystone Sanitary Landfill, Inc.
Throop/Dunmore Boroughs, Lackawanna County
I.D. No. 101247

Dear Mr. DeNaples:

This Engineer's Status Report is for the month of March 2017. This report is informational only, without deadlines, and a response is required only if objections are taken to the items mentioned. The meeting was held at the Keystone Sanitary Landfill office on April 19, 2017.

A. Pending Permit Applications:

1. Major Permit Modification – Phase III Development: on December 17, 2014 the Department concluded the Completeness Review and accepted the application package as administratively complete.

The DEP First Environmental Assessment Review comment letter was received on October 13, 2015. On November 12, 2015 KSL met with DEP Waste Management staff to discuss the comments.

On December 10, 2015 the Department received a letter from KSL requesting an extension of time from the January 12, 2016 to May 17 2016 to respond to the Environmental Assessment Review comments.

The request for an extension of time was approved on January 8, 2016.

On May 17, 2016 DEP received the response to the first environmental assessment review comment from KSL. The response is under review.

On Monday July 18, 2016 a public hearing was held in Throop, PA

The Department is currently reviewing the Harms/Benefits of the expansion.

B. Construction Activities:

1. KSL is currently placing waste mainly in Increments 7, 8 and 9. KSL continues to place waste also in Pads 4, 5 and 6 to bring these increments to final grades, and subsequently to install final cap.
2. **Increments 10, 11 and 12:** Excavation activity on Increment 10 is complete, but continues in Increment 11 and Increment 12. Control fill on the west side of Increment 10 has been completed. Subgrade/subbase work activities continue in Increment 10.

Subsurface remediation work for Pad 10 and partial Pad 11 is now complete; Form 37 Construction Certification package was mailed to the Department for review and approval on September 21, 2016. The Form 37 was approved and issued on March 1, 2017.

3. **Closure Work:** A total of 13.16 acres of final cap installed in 2015. KSL plan to install a minimum of ten (10) acres of final cap in 2016.
As of May 18, 2016 additional 5.6 acres of permanent liner has been deployed; Placement of cover soil, seeding and mulching continues.
As of date of inspection, 12/21/2016 KSL has installed 12.47 acres of 40 ml permanent liner, and 3.14 acres of 30 ml temporary liner. Two foot of final soil cover was being placed. Seeding and mulching is scheduled to follow in the spring of 2017.
A Form 37 construction certification for the 2016 closure work is being prepared for submission.
4. Approval letter for Form 37 construction certification for the improvement of the existing west lagoon was issued on November 3, 2016. Both lagoons are currently in service.

C. Groundwater

1. There are thirty-four (34) ground water monitoring wells at the facility. First quarter 2017 groundwater sampling was completed second of week of February, 2017. Next sampling event is scheduled will be in May 2017.

Monitoring wells 4, 8, 15, and 23 are currently being monitored monthly.

2. On January 16, 2017 KSL started the installation of three additional monitoring wells. The wells will be locating between MW-15 and MW-43. All three wells – two shallow, one deep – have been drilled and completed.

D. Leachate Treatment:

1. Estimated volume of leachate in storage on the day of inspection 4/19/2017 - approximately 8,825,073 gallons (~80% of total storage capacity).
2. As a temporary leachate management measure KSL is hauling leachate to Chester, PA. approximately 93,0000 gallons of leachate has been transported to Chester as of April 18, 2017.

3. KSL is currently investigating the source of the excess leachate generation at the site. Excavation around a manhole on the western slope of Keystone/Dunmore footprint was observed today.

E. Gas Management :

1. As of date of this inspection KSL was supplying LFG to the gas to energy plant (CB&I) and the Archbald Cogeneration Plant. Average landfill gas generation rate for this reporting period is 12,089 scfm.
PEI will have a scheduled spring maintenance outage between 4/25/2017 and 4/30/2017.
2. The stone columns and vacuum control devices are continually extended in the active portions of the landfill to ensure effective odor control.

F. Site Observations

1. Litter – being controlled by perimeter fencing and portable fencing at the working face.
2. Odor – only the typical MSW odor was perceived at the working face during this inspection.
3. Daily cover – observed stock piles of cover materials by the crusher, and solidified drill cuttings by the working face.

G. Miscellaneous

1. Enclosed as part of this report is the monthly update sheet from Keystone Sanitary Landfill. Included is information on the site, radiation monitoring, truck safety and leachate management.
2. On a daily basis KSL performs routine odor patrols on-site and off-site, including Swinick Development.
3. KSL has contracted the USDA Wild Life Services of PA to conduct on-site tests to determine the most effective migratory bird infestation control method for the landfill. The USDA submits quarterly report of its findings to KSL.

If you have any questions concerning this report, please contact me at (570) 826-2022.

Sincerely,



N. Sam Warmate
Waste Management Program

Enclosure

cc: Dunmore Borough Manager (w/Encs.)
Ms. Robin Galli, Secretary/Throop Borough (w/Encs.)

PADEP Monthly Engineer's Status Report

Reporting Period:

March 1-31, 2017

Keystone Sanitary Landfill, Inc.
 249 Dunham Drive, Dunmore, PA 18512
 570-343-5782
 Permit# 101247

General Site Information	
Ave Daily Volume For The Month of March, 2017	4,871
Maximum Permitted	7,500 Tons
Daily Volume	7,500 Tons
Maximum Permitted	7,500 Tons
Quarterly Average/Day	7,250 Tons

Recorder Rainfall	2.9 Inches
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Mo. Ave. SCFM	12,089
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Active/Closed Areas	Total Acres	Final Cap	Temporary Cap	Not Capped
Keystone/Dunmore	105.73	105.73	0	0
Logan	50.3	50.3	0	0
Tabor	104	104	0	0
Phase II	169.62	79.78	5	84.84
Total Permitted Area	429.65			

Report Dates	
Groundwater	1/31/2017
Air Monitoring	1/23/2017
Gas	1/30/2017

Acreage Under Construction	
Pads 10, 11 & 12-Phase II	45.84

Radiation Activity	
Trucks That Tripped Monitor	5
Trucks Rejected	0
Loads Identified As Tenorm	0
Year To Date Tenorm	0

Truck Safety/Overweights	
73,280 to 80,000	34
80,001 to 82,500	64
82,501 to 85,000	14
85,001 to 90,000	0
90,001 and Over	0
Total Overweight Trucks	112

Leachate Management	
Plant Operating Capacity	150,000 gpd
Total Leachate Generated	6,605,145
Total Leachate Treated	4,626,705
Treated Effluent to PA Amer.	4,626,705
Treated Effluent to Stream	0
Treated Effluent Dust Control	0
Average Daily Flow	149,249
Leachate Hauled Off-Site	0
Total Influent Storage Capacity	11,000,000
25% of Capacity	2,750,000
Current Waste Water Stored	8,867,355
As of:	West
3/31/2017	3,184,341
As of:	East
4/19/2017	3,298,845

Total	
8,867,355	Total
8,825,073	Total

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SW:ag
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D: 4/19/17