



January 12, 2022

Keystone Sanitary Landfill, Inc.  
c/o Mr. Dominic DeNaples Jr, Site Manager  
249 Dunham Drive  
Dunmore, PA 18512  
Email: [dominickd@kslco.com](mailto:dominickd@kslco.com)

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 December 2021. Date of inspection – Wednesday January 12, 2022. This report is informational only, without deadlines, and a response is required only if objections are taken to the items mentioned. COVID-19 safety protocols were followed during the entire site visit.

**A. Pending Permit Applications:**

1. Major Permit Modification – Phase III Development:

The major permit modification was approved on June 3, 2021.

2. Application for a major permit modification for a change in leachate treatment method (25 Pa Code §273.272) was received on December 18, 2019.

This application was withdrawn on October 06, 2021. KSL plan to submit a revised new application at a later date.

3. Application for a minor permit modification for the installation of a chiller unit at the leachate plant was received by the Department on October 18, 2021. The application is currently under review.

4. Application for a minor permit modification to the Phase II stormwater management controls was received on October 18, 2021. The application was approved on December 28, 2021.

**B. Construction Activities:**

1. KSL was placing waste mainly on Pad 11 and Pad 12 on the day of this inspection.

2. Pad 12:

Construction of Pad 12 is partially complete (STA 45+ 50 thru STA 48 + 00). A Form 37 construction certification for the completed section was received by the Department on June 29, 2021. The certification was approved on July 13, 2021.

3. Closure Work:

2020: KSL installed approximately 15 acres of temporary liner in 2020.

2021: as of June 9, 2021, KSL have installation 4.6 acres of final cap and 17.3 acres of temporary cap.

2022: KSL will be installing approximately 30 acres of final closure cap in Phase II.

4. Construction activities on the leachate conveyance system upgrade continues.

**C. Groundwater**

1. There are thirty-six (36) approved ground water monitoring wells at the facility. All wells are sampled quarterly.

Second quarter groundwater sampling was completed in May 2021. Third quarter sampling was completed in second week of August 2021. Fourth quarter sampling was completed in November 2021. Next sampling event is scheduled for week of February 7, 2022.

**D. Leachate Treatment:**

1. Estimated volume of leachate in lagoon storage as of 1/10/2022 - approximately 3,012,161 gallons. Regulatory 25% storage capacity is 2,428,720 gallons.
2. KSL hauls leachate to the following offsite treatment facilities as needed:
  - a. Passaic Valley Sewage Commission in Newark, NJ.
  - b. Altoona Industrial Pre-treatment Facility

Leachate hauled off site in the month of December 2021 – 3,390,416 gallons.

3. Rainfall total for November 2021 – 1.41 inches.

**E. Gas Management:**

1. The Department received an application for beneficial use (WMGM055) of the facility's LFG on July 13, 2021. The applicant – Assai Energy LLC. The application review is complete. The Department is waiting for Bonding Certification from the applicant before issuing the permit.  
The application was approved and emailed to the applicant on January 6, 2022.
2. Unused LFG is being flared.
3. 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 – observed crew picking litter along the road leading up to the working face. Portable fences were deployed at the working face.
2. Odor – slight odor was perceived by the western slope of Pad 12; one of the stone columns was being adjusted/raised at the time.
3. Daily cover – observed stockpile of cover materials by the crusher.

#### 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. KSL performs daily routine odor patrols on-site and off-site, including Swinick Development, and Mid-Valley School District.
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.
4. KSL continues to perform annual maintenance on all stormwater sedimentation basins – removal of overgrown vegetation and repairs of shoreline erosion.

If you have any questions concerning this report, please contact me at (570) 826-2022, or [nswarmate@pa.gov](mailto:nswarmate@pa.gov).

Sincerely,

*nswarmate*

N. Sam Warmate  
Waste Management Program

Enclosure

cc: Dunmore Borough Manager (w/enc.)  
Email: [Vito.Ruggiero@DunmorePa.gov](mailto:Vito.Ruggiero@DunmorePa.gov)  
Ms. Robin Galli, Secretary/Throop Borough (w/enc.)  
Email: [lcimini@throopboro.com](mailto:lcimini@throopboro.com)

**PADEP Monthly Engineer's Status Report**

Reporting Period: December 2021

Keystone Sanitary Landfill, Inc.  
 249 Dunham Drive, Dunmore, PA 18512  
 570-343-5762  
 Permit# 101247

<b>General Site Information</b>	
Ave Daily Volume For The Month of December 2021	6,163
Maximum Permitted	7,500 Tons
Quarterly Average/Day	7,250 Tons
<b>Active/Closed Areas</b>	<b>Total Acres</b>
Keystone/Dunmore	105.73
Logan	50.3
Tabor	104
Phase II	169.62
Total Permitted Area	429.65
<b>Acres Under Construction</b>	
Phase II	0
Phase III (Pads 1 & 2)	18.97
<b>Radiation Activity</b>	
Trucks That Tripped Monitor	3
Trucks Rejected	0
Loads Identified As Tenorm	0
Year To Date Tenorm	

<b>Truck Safety/Overweights</b>	
73,280 to 80,000	71
80,001 to 82,500	586
82,501 to 85,000	400
85,001 to 90,000	528
90,001 and Over	3
<b>Total Overweight Trucks</b>	<b>1588</b>

<b>Recorder Rainfall</b>	
	1.41
<b>Report Dates</b>	
Groundwater	10/15/2002
Air Monitoring	7/26/2021
Gas	10/20/2021

<b>Temporary Cap</b>	<b>Not Capped</b>
0	0
0	0
0	0
53.1	76.59

<b>Leachate Management</b>	
Biological Treatment Capacity	150,000 GPD
R/O Treatment Capacity	90,000 GPD
Total Plant Operating Capacity	240,000 GPD
Total Leachate Generated	6,649,399 Report Period
Ave Daily Generated	214,497
Total Leachate Treated	3,639,822 Report Period
Treated Effluent to P.A. Amer.	3,639,822 Report Period

Average Daily Flow	117,414
Leachate Hauled Off-Site	3,390,416 Report Period
Total Influent Storage Capacity	9,714,881 Gallons
25% of Capacity	2,428,720 Gallons
<b>Current Waste Water Stored</b>	
Gallons	
As of:	Total
1/3/2022	2,206,009
As of:	Total
1/10/2022	1,338,069