



**Keystone Sanitary Landfill, Inc.**  
**249 Dunham Drive**  
**Dunmore, PA 18512**

## **MAJOR PERMIT MODIFICATION APPLICATION**

### **Leachate Management Plan**

**December 2019**



**EARTHRES**

ENGINEERING FOR SUCCESS<sup>TM</sup>



**Keystone**  
Sanitary Landfill, Inc.  
249 Dunham Drive Dunmore, PA 1512

**IN** FIRST NATIONAL  
COMMUNITY BANK  
DUNMORE, PENNSYLVANIA 18512

60-313  
313

CHECK NO.	CHECK DATE	VENDOR NO.
035057	10/23/19	613

3505

PAY

SEVEN THOUSAND EIGHT HUNDRED AND 00/100\*\*\*\*\*  
DOLLARS\*\*\*\*\*

CHECK AMOUNT

\$\*\*\*\*\*7,800.00

TO THE  
ORDER  
OF

COMMONWEALTH OF P.A.

*[Handwritten signature]*



December 13, 2019

Mr. Roger Bellas  
Waste Management Program Manager  
PA Department of Environmental Protection  
Northeast Regional Office  
2 Public Square  
Wilkes Barre, PA 18711-1915

**Re: Keystone Sanitary Landfill, Inc.  
Permit # 101247  
Solid Waste Management Major Permit Modification**

Dear Mr. Bellas:


Keystone Sanitary Landfill, Inc. submits a Solid Waste Management Major Permit Modification to modify the existing leachate management plan at Keystone Sanitary Landfill located in the Borough of Dunmore, Lackawanna County, Pennsylvania. The application was discussed at the August 14, 2018 pre-application meeting.

This Major Modification is required for the modification of the leachate treatment facilities for stream discharge of treated effluent. Keystone is also submitting the following permit applications to PADEP for this project.

- NPDES Permit
- Part II Water Quality Management Permit

If you have any questions or require any additional information, please contact me at (570) 343-5782.

Sincerely,

  
Dominick DeNaples, Jr.  
Site Manager

cc: Mr. T. Puller, Earthres Group, Inc.

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# SECTION 1

**SECTION 1.0  
INTRODUCTION**

## INTRODUCTION

Keystone Sanitary Landfill, Inc. (KSL) submits this application to the Pennsylvania Department of Environmental Protection (PA DEP) to modify existing Solid Waste Disposal Permit No. 101247. The application is a Major Permit Modification for proposed changes to their leachate management plan. KSL proposes improvements to the leachate treatment plant (LTP), which will allow for stream discharge and/or beneficial use of treated effluent at the site and reduce reliance on offsite treatment.

KSL currently collects leachate from landfill operations in two lined lagoons, pretreats the leachate in the leachate treatment plant and discharges effluent to Pennsylvania American Water Company (PAWC) Scranton wastewater treatment plant. KSL upgraded the original LTP (MetPro) in 2015 with a moving bed biological reactor (MBBR) plant designed to treat 150,000 gallons per day (gpd) and discharge to PAWC.

With this amendment, KSL's advanced reverse osmosis (RO) treatment equipment will produce treated effluent suitable for stream discharge or beneficial use onsite. KSL's RO treatment system supplied by Rochem Americas (Rochem) treats leachate from the storage lagoons. Phase I consists of an RO system with a design average capacity of 90,000 gpd (100,000 gpd maximum), and Phase II consists of additional RO equipment with a design average capacity of 90,000 gpd (100,000 gpd maximum). The total capacity for both phases will be 180,000 gpd (200,000 gpd maximum).

Construction of these modifications are permitted under Minor Permit Modification No. 101247-A183, dated September 4, 2018. The first phase of construction was completed in January 2019 and discharges treated effluent to PAWC Scranton wastewater treatment plant. A Certification of Facility Construction for this modification (Form 37) was approved by PA DEP on April 16, 2019. Phase II will be constructed in the future.



The RO equipment replaces the former MetPro reactors in the original leachate treatment building and supplements the MBBR process. The Rochem RO treatment system is a demonstrated process that will produce a high quality effluent that provides the following options for effluent management:

- Discharge to PAWC Scranton wastewater treatment plant, consistent with the existing agreement;
- Discharge to Eddy Creek and/or Little Roaring Brook; and
- Beneficial use onsite for dust control and utility water.

The proposed discharge and use of treated effluent requires permitting from the PA DEP Clean Water Program as well as a major permit modification for the solid waste permit. Therefore, in addition to the major permit modification, KSL will submit the following applications to PA DEP for the proposed process:

- NPDES permit application to PA DEP for the proposed stream discharge to Eddy Creek and Little Roaring Brook;
- Part II – Water Quality Management (WQM) permit application for installation of the Rochem tertiary treatment process and beneficial use of treated effluent at the site; and
- A Request for Determination for the air emissions from the RO equipment was submitted to PA DEP in June 2018.

The discharge of treated effluent to the PAWC Scranton wastewater treatment plant will continue. Upon receipt of the Part I NPDES and Part II WQM permits, treated effluent will be discharged to Eddy Creek and/or Little Roaring Brook and used onsite for dust-control/utility water as needed. Concentrate from the RO treatment process will be applied to the landfill working face or hauled/conveyed to offsite disposal if needed. There are no proposed changes to the landfill size, capacity or operation contained within this permit modification. Approval of

this modification will provide KSL with multiple methods for leachate disposal and enhance the leachate management plan for the site.

# SECTION 2

## **SECTION 2.0**

### **PA DEP APPLICATION FORMS**

**CHECKLIST**  
**MAJOR MODIFICATION TO A MUNICIPAL WASTE LANDFILL  
PERMIT**

## CHECKLIST – MAJOR MODIFICATION TO A MUNICIPAL WASTE LANDFILL PERMIT OR A RESIDUAL WASTE LANDFILL OR IMPOUNDMENT PERMIT

This checklist is to assist the Department and the Applicant in assuring that all the forms, notices, documentation and fees required for an application for a major modification to a municipal waste landfill or residual waste landfill have been addressed. This checklist should be signed by the Applicant and submitted to the Department as part of the application package. Failure to do so may cause the application to be administratively incomplete and ineligible for Permit Decision Guarantee (PDG).<sup>1</sup>

This checklist will be utilized by the Department and Applicant during the pre-application meeting to indicate the forms and other information which must be included in the application and public notifications that are needed. The Department will check the appropriate box in the first two columns to indicate the forms and information required ("Req") or not applicable ("N/A"). The Applicant will then ensure the required forms and information are included in the application by checking the corresponding box in the third column.

In cases where no pre-application meeting is held, the Applicant will indicate what forms are included in the application by checking the appropriate boxes in the third column.

The most current version of the forms found on the Department's online eLibrary should be utilized.

Name of Applicant or Permittee Keystone Sanitary Landfill, Inc. Permit No. (if applicable) 101247

Links to the Department Website for All Permit Application Forms:

<b>Municipal Waste</b>	<a href="http://www.portal.state.pa.us/portal/server.pt?open=514&amp;objID=589662&amp;mode=2">http://www.portal.state.pa.us/portal/server.pt?open=514&amp;objID=589662&amp;mode=2</a>
<b>Residual Waste</b>	<a href="http://www.portal.state.pa.us/portal/server.pt?open=514&amp;objID=589687&amp;mode=2">http://www.portal.state.pa.us/portal/server.pt?open=514&amp;objID=589687&amp;mode=2</a>

### Standard Permit Forms

Req.	N/A		Name	Form No. (Municipal)	Form No. (Residual)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	GIF - General Information Form	1300-PM-BIT0001	1300-PM-BIT0001
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form A - Application	2540-PM-BWM0357	2540-PM-BWM0357
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form B - Professional Certification	2540-PM-BWM0358	2540-PM-BWM0358
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form B1 - Application for Certification	2540-PM-BWM0359	2540-PM-BWM0359

<sup>1</sup>DISCLAIMER: The process and procedures outlined in this Checklist are intended to supplement existing requirements. Nothing in the Checklist shall affect regulatory requirements.

The process, procedures and interpretations herein are not an adjudication or a regulation. There is no intent on the part of DEP to give the rules in this Checklist that weight or deference. This document establishes the framework within which DEP will exercise its administrative discretion in the future. DEP reserves the discretion to deviate from this policy statement if circumstances warrant.

DEP reserves the right to supplement the list of forms and information included on this Checklist at any time during the permit review process. This Checklist should not be construed as an exhaustive list of forms and information to be submitted by the Applicant.

**Standard Permit Forms (cont.)**

Req.	N/A	y	Name	Form No. (Municipal)	Form No. (Residual)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form C1 - Compliance History Certification <sup>2</sup>	2540-PM-BWM0351	2540-PM-BWM0351
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form HW-C - Compliance History <sup>2</sup>	2540-FM-BWM0058	2540-FM-BWM0058

<sup>2</sup>Either Form C1 OR Form HW-C should be submitted depending on the modification requested.

**Additional Forms Required Based on the Modification Requested**

Req.	N/A	y	Name	Form No. (Municipal)	Form No. (Residual)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form D - Environmental Assessment	2540-PM-BWM0172	2540-PM-BWM0172
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form E – Contractual Consent of Landowner	2540-PM-BWM0353	2540-PM-BWM0353
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form F – Soils Information – Phase I	2540-PM-BWM0371	2540-PM-BWM0371
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form FC-1 - Disposal of Virgin Fuel Contaminated Soil	2540-PM-BWM0244	2540-PM-BWM0244
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form G (A) - Air Resource Protection	2540-FM-BWM0391a	2540-FM-BWM0391a
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form G(B) - Non Methane Organic Compounds (NMOC) Emissions Estimate	2540-FM-BWM0391b	2540-FM-BWM0391b
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form H - Revegetation Plan	2540-PM-BWM0375	2540-PM-BWM0375
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form I - Soil Erosion and Sedimentation Control	2540-PM-BWM0390	2540-PM-BWM0390
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form J - Soils Phase II	2540-PM-BWM0376	2540-PM-BWM0376
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form K - Gas Management	2540-PM-BWM0379	2540-PM-BWM0379
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form L - Contingency Plan	2540-PM-BWM0384	2540-PM-BWM0384
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form Q - Equivalency Review Request	2540-PM-BWM0386	2540-PM-BWM0386
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form R - Waste Analyses/Classification	2540-PM-BWM0396	2540-PM-BWM0396
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form R1 - Waste Analysis and Classification	2540-PM-BWM0001	2540-PM-BWM0001
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form X - Radiation Protection Action Plan	2500-FM-BWM0430	2500-FM-BWM0430
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 1 - Facility Plan	2540-PM-BWM0170	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 1R - Facility Plan		2540-PM-BWM0355

**Additional Forms Required Based on the Modification Requested (cont.)**

Req.	N/A	✓	Name	Form No. (Municipal)	Form No. (Residual)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 2 - Map Requirement - Phase I	2540-PM-BWM0173	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 2R - Map Requirements, Phase I		2540-PM-BWM0360
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form 3 - Map Requirement - Phase II	2540-PM-BWM0007	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 3R - Map Requirement - Phase II		2540-PM-BWM0361
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 4R - Map Requirements		2540-PM-BWM0362
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 5 - Map Requirements	2540-PM-BWM0154	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 5R - Map Requirements		2540-PM-BWM0363
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 6 - Geological Information	2540-PM-BWM0176	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 6R - Geological Information		2540-PM-BWM0365
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 7 - Hydrogeological Information	2540-PM-BWM0177	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 7R - Hydrogeological Information		2540-PM-BWM0366
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 8 - Baseline Groundwater Analysis, Phase I	2540-PM-BWM0178	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 8R - Baseline Groundwater Analysis		2540-PM-BWM0367
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 10 - Baseline Groundwater Analysis C/D Landfill	2540-PM-BWM0180	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 10R - Mineral Deposits Information, Phase I		2540-PM-BWM0368
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 11 - Mineral Deposits Information, Phase I	2540-PM-BWM0181	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 11R - Alternative Water Supply		2540-PM-BWM0369
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 12 - Alternative Water Supply, Phase I	2540-PM-BWM0182	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 12R - Operation Plan		2540-PM-BWM0081
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 13R - Water Quality Monitoring System, Phase II		2540-PM-BWM0372
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form 14 - Operation Plan	2540-PM-BWM0011	



**Additional Forms Required Based on the Modification Requested (cont.)**

Req.	N/A	✓	Name	Form No. (Municipal)	Form No. (Residual)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 16R - Liner System		2540-PM-BWM0393
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 17R - Leachate Management		2540-PM-BWM0378
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 18 - Water Quality Monitoring System, Phase II	2540-PM-BWM0040	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 18R - Closure-Post Closure Land Use Plan		2540-PM-BWM0385
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 21R - Groundwater Assessment Plan		2540-PM-BWM0388
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 22R - Abatement Plan		2540-FM-BWM0389
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 23R - Control Plans		2540-PM-BWM0392
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 24 - Liner System, Phase II	2540-PM-BWM0150	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 24R - Residual Waste Disposal Impoundments		2540-PM-BWM0500
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form 25 - Leachate Management, Phase II	2540-PM-BWM0152	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 25R - Source Reduction Strategy		2540-PM-BWM0349
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form 28 - Closure-Post Closure Land Use Plan	2540-PM-BWM0153	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 35 - Approval to Process or Dispose of Processed Infectious/Chemotherapeutic Waste	2540-PM-BWM0157	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 36 - Approval Request to Dispose Incinerator Ash Residue	2540-PM-BWM0155	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 37 - Certification of Facility Construction Activity	2540-PM-BWM0012	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 43 - Request for Approval to Dispose or Process Sewage Sludge	2540-PM-BWM0199	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 45 - Protection of Capacity	2540-PM-BWM0209	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 51 - Municipal Waste Landfill Groundwater Assessment Plan	2540-PM-BWM0005	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 53 - MW Landfill - C/D Waste Landfill Abatement Plan	2540-PM-BWM0207	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Form 54 - Background Meteorological Monitoring	2540-PM-BWM0503	

### Bonding Worksheets

Req.	N/A	✓	Name	Form No. (Municipal)	Form No. (Residual)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bonding Worksheet Instructions	2540-FM-BWM0580	2540-FM-BWM0580
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Landfills and Disposal Impoundments	2540-FM-BWM0581	2540-FM-BWM0581

### Public Notification Under 25 Pa. Code Chapters 271.141 and 287.151

Req.	N/A	✓	Type
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Newspaper of general circulation 3 consecutive weeks beginning _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Contiguous land owners (list) _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Host Municipality or Municipalities: _____

### Confidential Information Under 25 Pa. Code Chapters 271.5 and 287.5, and the Bureau of Waste Management's "Procedures for Handling Confidential Information Requests" document.

Req.	N/A	✓	Description
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If proposed by the applicant, a demonstration that application information satisfies the regulatory requirements for confidentiality.

### Registration with Pennsylvania Department of State

Req.	✓	Name	Form No.
<input type="checkbox"/>	<input type="checkbox"/>	Pennsylvania Enterprise Registration	PA-100

### Application Fee

Req.	N/A	✓	Authorization Type	Amount
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Additional Types of Waste Not Approved in the Permit (Municipal)	\$300
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Additional Types of Waste Not Approved in the Permit (Residual)	\$600
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual Waste Disposal Impoundment	\$4,600
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Landfill (Municipal, Construction/Demolition or Residual)	\$7,800

### Additional Application Copies

Req.	N/A	✓	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	One original and <u>three</u> additional copies of the application

Public Notification and Comment Under 25 Pa. Code Chapters 271.142-144, 271.202, and 287.152-154, and the Department's "Local Municipality Involvement Process" Policy, Document Number 254-2100-100.

<input checked="" type="checkbox"/>	Type
<input type="checkbox"/>	Publication in the <i>Pennsylvania Bulletin</i>
<input type="checkbox"/>	30-day Public Comment Period
<input type="checkbox"/>	Public Hearing(s) may be required
<input type="checkbox"/>	Local Municipality Involvement Process

Notes/Additional Comments

Signature of Applicant or Authorized Representative:



Date:

12/13/19

Printed Name:

Dominick DeNaples Jr

Title:

Site Manager

## **GENERAL INFORMATION FORM (GIF)**



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

## GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION

Before completing this General Information Form (GIF), read the step-by-step instructions provided in this application package. This version of the General Information Form (GIF) must be completed and returned with any program-specific application being submitted to the Department.

Related ID#s (If Known)		DEP USE ONLY Date Received & General Notes
Client ID# 101247	APS ID#	
Site ID# 600919	Auth ID#	
Facility ID# 479759		

## CLIENT INFORMATION

DEP Client ID# 74717	Client Type / Code PACOR			
Organization Name or Registered Fictitious Name Keystone Sanitary Landfill, Inc.		Employer ID# (EIN) 23-2637846	Dun & Bradstreet ID# N/A	
Individual Last Name	First Name	MI	Suffix	SSN
Additional Individual Last Name	First Name	MI	Suffix	SSN
Mailing Address Line 1 249 Dunham Drive		Mailing Address Line 2		
Address Last Line – City Dunmore		State PA	ZIP+4 18512-0249	Country USA
Client Contact Last Name DeNaples	First Name Dominick	MI	Suffix Jr.	
Client Contact Title Site Manager		Phone 570-343-5782	Ext	
Email Address dominickd@kslco.com		FAX 570-348-3135		

## SITE INFORMATION

DEP Site ID# 452485	Site Name Keystone Sanitary Landfill, Inc.			
EPA ID# N/A	Estimated Number of Employees to be Present at Site			50-99
Description of Site Municipal Solid Waste Disposal Facility				
County Name Lackawanna	Municipality Dunmore	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp <input type="checkbox"/>
County Name Lackawanna	Municipality Throop	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp <input type="checkbox"/>
Site Location Line 1 249 Dunham Drive		Site Location Line 2		
Site Location Last Line – City Dunmore		State PA	ZIP+4 18512-0249	
Detailed Written Directions to Site Exit 1, I-380, Right on Dunham Drive, one mile to site				
Site Contact Last Name DeNaples	First Name Dominick	MI	Suffix Jr.	
Site Contact Title Site Manager		Site Contact Firm N/A		
Mailing Address Line 1 249 Dunham Drive		Mailing Address Line 2		
Mailing Address Last Line – City Dunmore		State PA	ZIP+4 18512-0249	

<b>Phone</b> 570-343-5782	<b>Ext</b>	<b>FAX</b> 570-348-3135	<b>Email Address</b> dominickd@kslco.com
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<b>NAICS Codes</b> (Two- & Three-Digit Codes – List All That Apply) 562	<b>6-Digit Code</b> (Optional)
--	--------------------------------

**Client to Site Relationship**  
Owner

### FACILITY INFORMATION

**Modification of Existing Facility**

- |   |                                     |                          |
|---|-------------------------------------|--------------------------|
| <b>1. Will this project modify an existing facility, system, or activity?</b>                 | <b>Yes</b>                          | <b>No</b>                |
| <b>2. Will this project involve an addition to an existing facility, system, or activity?</b> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
- If "Yes", check all relevant facility types and provide DEP facility identification numbers below.*

Facility Type	DEP Fac ID#	Facility Type	DEP Fac ID#
<input type="checkbox"/> Air Emission Plant		<input type="checkbox"/> Industrial Minerals Mining Operation	
<input type="checkbox"/> Beneficial Use (water)		<input type="checkbox"/> Laboratory Location	
<input type="checkbox"/> Blasting Operation		<input type="checkbox"/> Land Recycling Cleanup Location	
<input type="checkbox"/> Captive Hazardous Waste Operation		<input type="checkbox"/> MineDrainageTrmt/LandRecyProjLocation	
<input type="checkbox"/> Coal Ash Beneficial Use Operation		<input checked="" type="checkbox"/> Municipal Waste Operation	101247
<input type="checkbox"/> Coal Mining Operation		<input type="checkbox"/> Oil & Gas Encroachment Location	
<input type="checkbox"/> Coal Pillar Location		<input type="checkbox"/> Oil & Gas Location	
<input type="checkbox"/> Commercial Hazardous Waste Operation		<input type="checkbox"/> Oil & Gas Water Poll Control Facility	
<input type="checkbox"/> Dam Location		<input type="checkbox"/> Public Water Supply System	
<input type="checkbox"/> Deep Mine Safety Operation -Anthracite		<input type="checkbox"/> Radiation Facility	
<input type="checkbox"/> Deep Mine Safety Operation -Bituminous		<input type="checkbox"/> Residual Waste Operation	
<input type="checkbox"/> Deep Mine Safety Operation -Ind Minerals		<input type="checkbox"/> Storage Tank Location	
<input type="checkbox"/> Encroachment Location (water, wetland)		<input type="checkbox"/> Water Pollution Control Facility	
<input type="checkbox"/> Erosion & Sediment Control Facility		<input type="checkbox"/> Water Resource	
<input type="checkbox"/> Explosive Storage Location		<input type="checkbox"/> Other:	

Latitude/Longitude Point of Origin	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	41	26	7	-75	35	49
<b>Horizontal Accuracy Measure</b>	Feet <span style="margin-left: 100px;">--or--</span> Meters					
<b>Horizontal Reference Datum Code</b>	<input checked="" type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input type="checkbox"/> World Geodetic System of 1984					
<b>Horizontal Collection Method Code</b>	ITPMP					
<b>Reference Point Code</b>	CNTER					
<b>Altitude</b>	Feet 1,040 <span style="margin-left: 100px;">--or--</span> Meters					
<b>Altitude Datum Name</b>	<input checked="" type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					
<b>Altitude (Vertical) Location Datum Collection Method Code</b>	TOPO					
<b>Geometric Type Code</b>	POINT					
<b>Data Collection Date</b>	9/1/2016					
<b>Source Map Scale Number</b>	1	Inch(es)	=	2,000	Feet	
	--or--	Centimeter(s)	=		Meters	

### PROJECT INFORMATION

**Project Name**

Application for Major Permit Modification to modify leachate management plan.

**Project Description**

Modify leachate management plan for the installation of reverse osmosis leachate treatment equipment that will allow the discharge of treated effluent to Eddy Creek and Little Roaring Brook, and beneficial use for dust control and utility water.

<b>Project Consultant Last Name</b> Pullar	<b>First Name</b> Thomas	<b>MI</b> G.	<b>Suffix</b> P.E.
<b>Project Consultant Title</b> Senior Project Manager		<b>Consulting Firm</b> Earthres Group, Inc.	
<b>Mailing Address Line 1</b> PO Box 468		<b>Mailing Address Line 2</b>	

<b>Address Last Line – City</b> Pipersville		<b>State</b> PA	<b>ZIP+4</b> 18947
<b>Phone</b> 215-766-1211	<b>Ext</b> 119	<b>FAX</b> 215-766-1245	<b>Email Address</b> tpullar@earthres.com
<b>Time Schedules:</b>	<b>Project Milestone (Optional)</b>		

1. Have you informed the surrounding community and addressed any concerns prior to submitting the application to the Department? ☒ Yes ☐ No

2. Is your project funded by state or federal grants? ☐ Yes ☒ No

**Note:** If "Yes", specify what aspect of the project is related to the grant and provide the grant source, contact person and grant expiration date.

Aspect of Project Related to Grant

Grant Source: \_\_\_\_\_

Grant Contact Person: \_\_\_\_\_

Grant Expiration Date: \_\_\_\_\_

3. Is this application for an authorization on Appendix A of the Land Use Policy? (For referenced list, see Appendix A of the Land Use Policy attached to GIF instructions) ☐ Yes ☒ No

**Note:** If "No" to Question 3, the application is not subject to the Land Use Policy.

If "Yes" to Question 3, the application is subject to this policy and the Applicant should answer the additional questions in the Land Use Information section.

### LAND USE INFORMATION

**Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

1. Is there an adopted county or multi-county comprehensive plan? ☐ Yes ☐ No

2. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No

3. Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance? ☐ Yes ☐ No

**Note:** If the Applicant answers "No" to either Questions 1, 2 or 3, the provisions of the PA MPC are not applicable and the Applicant does not need to respond to questions 4 and 5 below.

If the Applicant answers "Yes" to questions 1, 2 and 3, the Applicant should respond to questions 4 and 5 below.

4. Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval? If zoning approval has been received, attach documentation. ☐ Yes ☐ No

5. Have you attached Municipal and County Land Use Letters for the project? ☐ Yes ☐ No

### COORDINATION INFORMATION

**Note:** The PA Historical and Museum Commission must be notified of proposed projects in accordance with DEP Technical Guidance Document 012-0700-001 and the accompanying Cultural Resource Notice Form.

**If the activity will be a mining project** (i.e., mining of coal or industrial minerals, coal refuse disposal and/or the operation of a coal or industrial minerals preparation/processing facility), respond to questions 1.0 through 2.5 below.

**If the activity will not be a mining project**, skip questions 1.0 through 2.5 and begin with question 3.0.

1.0	Is this a coal mining project? If "Yes", respond to 1.1-1.6. If "No", skip to Question 2.0.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.1	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be equal to or greater than 200 tons/day?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.2	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be greater than 50,000 tons/year?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.3	Will this coal mining project involve coal preparation/ processing activities in which thermal coal dryers or pneumatic coal cleaners will be used?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.4	For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.5	Will this coal mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.6	Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.0	Is this a non-coal (industrial minerals) mining project? If "Yes", respond to 2.1-2.6. If "No", skip to Question 3.0.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.1	Will this non-coal (industrial minerals) mining project involve the crushing and screening of non-coal minerals other than sand and gravel?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.2	Will this non-coal (industrial minerals) mining project involve the crushing and/or screening of sand and gravel with the exception of wet sand and gravel operations (screening only) and dry sand and gravel operations with a capacity of less than 150 tons/hour of unconsolidated materials?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.3	Will this non-coal (industrial minerals) mining project involve the construction, operation and/or modification of a portable non-metallic (i.e., non-coal) minerals processing plant under the authority of the General Permit for Portable Non-metallic Mineral Processing Plants (i.e., BAQ-PGPA/GP-3)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.4	For this non-coal (industrial minerals) mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.5	Will this non-coal (industrial minerals) mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No



3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
4.0.1	Total Disturbed Acreage All construction inside existing building				
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system? Stream discharge and beneficial use of treated effluent – NPDES and Part II WQM applications submitted.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities? Leachate treatment facility prior to stream discharge and beneficial use.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0.1	Estimated Proposed Flow (gal/day)				
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0.1	Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year).	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
10.0.1	Gallons Per Year (residential septage)				
10.0.2	Dry Tons Per Year (biosolids)				
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0.1	Dam Name				
12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.	RFD submitted to AQ program on June 5, 2018.			
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
16.0.1	Supplier's Name	PA American Water Company			
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
18.0.1	Type & Amount	Use of treated effluent for dust control and utility water (up to 180,000 gpd)			
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

- 21.0 Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. ☐ Yes ☒ No
- 21.0.1 Enter all substances & capacity of each; separate each set with semicolons.
- 22.0 Does your project involve installation of a tank greater than 1,100 gallons which will contain a highly hazardous substance as defined in DEP's Regulated Substances List, 2570-BK-DEP2724? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. ☐ Yes ☒ No
- 22.0.1 Enter all substances & capacity of each; separate each set with semicolons.
- 23.0 Does your project involve installation of a storage tank at a new facility with a total AST capacity greater than 21,000 gallons? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. ☐ Yes ☒ No
- 23.0.1 Enter all substances & capacity of each; separate each set with semicolons.
- 24.0 Will the intended activity involve the use of a radiation source? ☐ Yes ☒ No

### CERTIFICATION

I certify that I have the authority to submit this application on behalf of the applicant named herein and that the information provided in this application is true and correct to the best of my knowledge and information.

Type or Print Name Dan O'Brien

Signature

Business Manager

Title

Date

12/13/19

**FORM A**

**APPLICATION FOR MUNICIPAL OR RESIDUAL WASTE PERMIT**

**Attachment A – Newspaper Advertisement  
Attachment B – Municipal Notification Letters  
Attachment C – Landowner Notification Letters  
Attachment D – Contiguous Landowner Map and List**

**FORM A**  
**APPLICATION FOR MUNICIPAL OR RESIDUAL WASTE PERMIT**

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided herein. Replacement/substitution of or attachment to this form is prohibited. Improperly completed forms may be rejected by the Department, may be considered to be violations of the Department's Rules and Regulations, and may result in assessment of fines and penalties.

**SECTION A. APPLICANT IDENTIFIER (Check one of the boxes and identify both)**

<input type="checkbox"/> Owner	Name: Keystone Sanitary Landfill, Inc.	Phone #: 570-343-5782
	Address: 249 Dunham Drive, Dunmore PA, 18512	Email: dominickd@kslco.com
<input type="checkbox"/> Operator	Name: Keystone Sanitary Landfill, Inc.	Phone #: 570-343-5782
	Address: 249 Dunham Drive, Dunmore PA, 18512	Email: dominickd@kslco.com

**SECTION B. TYPE OF FACILITY**

Municipal Waste Landfill.....	<input checked="" type="checkbox"/>	Residual Waste Landfill .....	<input type="checkbox"/>
Construction/Demolition Waste Landfill .....	<input type="checkbox"/>	Class I .....	<input type="checkbox"/>
Municipal Waste Composting Facility .....	<input type="checkbox"/>	Class II .....	<input type="checkbox"/>
Municipal Waste Incinerator or Resource Recovery Facility...	<input type="checkbox"/>	Class III .....	<input type="checkbox"/>
Municipal Waste Demonstration Facility .....	<input type="checkbox"/>	Residual Waste Disposal Impoundment	
Municipal Waste Transfer Facility .....	<input type="checkbox"/>	Class I .....	<input type="checkbox"/>
Municipal Waste Processing Facility .....	<input type="checkbox"/>	Class II .....	<input type="checkbox"/>
Other, Specify.....	<input type="checkbox"/>	Residual Waste Composting Facility .....	<input type="checkbox"/>
		Residual Waste Demonstration Facility .....	<input type="checkbox"/>
		Residual Waste Transfer Facility .....	<input type="checkbox"/>
		Residual Waste Incinerator or Other Processing Facility ....	<input type="checkbox"/>
		Residual Waste Agricultural Utilization.....	<input type="checkbox"/>
		Residual Waste Land Reclamation .....	<input type="checkbox"/>
		Oil and Gas Wastewater Storage Impoundment.....	<input type="checkbox"/>
		Other, Specify .....	<input type="checkbox"/>

**SECTION C. MAP LOCATION**

U.S.G.S. Map Location of Facility (attach the map and identify location on the USGS map)

7.5" Map Name Olyphant, PA

Center of Facility:

Latitude 41 ° 26 ' 7 " Longitude -75 ° 35 ' 49 "

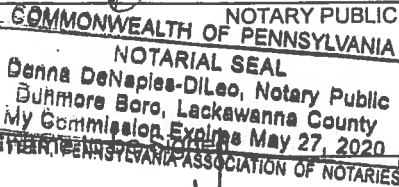
**SECTION D. GENERAL INFORMATION**

Number of New Acres Proposed for Permit (Issued)	Number of Acres Proposed for Permit (New)
<u>0 • 0</u>	<u>0 • 0</u>
Total Acres of the Property	
<u>714 • 0</u>	
Number of Previously Permitted Acres	Current Permit ID Number(s) <u>101247</u>
<u>714 • 0</u>	

## SECTION E. AFFIDAVIT

COMMONWEALTH/STATE OF \_\_\_\_\_

SS: \_\_\_\_\_

COUNTY OF LACKAWANNASworn and subscribed to before me this 13TH day  
of DECEMBER 18 2019

My Commission Expires \_\_\_\_\_

Print or type name: Louis DeNaples Date 12-13-19

Date: \_\_\_\_\_

I, (Signature of Applicant) do hereby certify pursuant to the penalties of 18 Pa. C.S.A.

Section 4904 to the best of my knowledge, information, and belief that the information contained in this application is true and correct and is in conformance with 25 PA. Code Chapters 271 or 287, whichever is applicable, of the rules and regulations of the Department of Environmental Protection.

## SECTION F. APPLICATION FEE

## A. Municipal Facilities

## i. Application for new permit, or repermitting. (ref. 271.128)

- |                          |          |   |  |
|--------------------------|----------|---|--|
| <input type="checkbox"/> | \$18,500 | - | Municipal Waste Landfill   |
| <input type="checkbox"/> | \$19,250 | - | Construction/Demolition Waste Landfill                                   |
| <input type="checkbox"/> | \$4,400  | - | Transfer Facility  |
| <input type="checkbox"/> | \$1,900  | - | Incinerator or Resource Recovery Facility                                |
| <input type="checkbox"/> | \$4,000  | - | Other Municipal Waste Processing Facility, including Composting Facility |
| <input type="checkbox"/> | \$17,300 | - | Demonstration Facility   |

## ii. Application for a major permit modification.

- |                                     |         |   |  |
|-------------------------------------|---------|---|--|
| <input type="checkbox"/>            | \$300   | - | Addition of types of waste not approved in the permit                    |
| <input checked="" type="checkbox"/> | \$7,800 | - | Municipal Waste Landfill and Construction/Demolition Waste Landfill      |
| <input type="checkbox"/>            | \$700   | - | Transfer Facility  |
| <input type="checkbox"/>            | \$1,500 | - | Incinerator or Resource Recovery Facility                                |
| <input type="checkbox"/>            | \$700   | - | Other Municipal Waste Processing Facility, including Composting Facility |
| <input type="checkbox"/>            | \$6,700 | - | Demonstration Facility   |

- |      |                          |       |   |                           |
|------|--------------------------|-------|---|---------------------------|
| iii. | <input type="checkbox"/> | \$300 | - | Permit Reissuance         |
| iv.  | <input type="checkbox"/> | \$300 | - | Permit Renewal            |
| v.   | <input type="checkbox"/> | \$300 | - | Minor Permit Modification |

**SECTION F. APPLICATION FEE (Continued)****A. Residual Facilities****i. Application for new permit, or repermitting. (ref. 287.141)**

- ☐ \$25,900 – Residual Waste Landfill
- ☐ \$8,500 – Residual Waste Disposal Impoundment
- ☐ \$5,200 – Residual Waste Transfer Facility
- ☐ \$8,300 – Residual Waste Noncaptive Incinerator
- ☐ \$2,200 – Residual Waste Captive Incinerator
- ☐ \$5,200 – Other Waste Processing Facility, including Composting Facility
- ☐ \$8,500 – Residual Waste Demonstration Facility
- ☐ \$5,100 – Residual Waste Land Reclamation
- ☐ \$5,100 – Residual Waste Agricultural Utilization
- ☐ \$8,500 – Oil and Gas Wastewater Storage Impoundment

**ii. Application for a major permit modification.**

- ☐ \$600 – Addition of types of waste not approved in the permit
- ☐ \$7,800 – Residual Waste Landfill
- ☐ \$600 – Residual Waste Agricultural Utilization
- ☐ \$1,900 – Residual Waste Land Reclamation
- ☐ \$1,500 – Residual Waste Incinerator Facility
- ☐ \$700 – Residual Waste Transfer or Other Processing Facility, including Composting Facility
- ☐ \$5,800 – Residual Waste Demonstration Facility
- ☐ \$4,600 – Residual Waste Disposal Impoundment
- ☐ \$4,600 – Oil and Gas Wastewater Storage Impoundment

**iii. ☐ \$400 – Residual Waste Permit Reissuance****iv. ☐ \$300 – Residual Waste Permit Renewal****v. ☐ \$300 – Residual Waste Minor Permit Modification****SECTION G. PUBLIC NOTICE - SECTION 271.141 (MUNICIPAL), 287.151 (RESIDUAL)**

For a new permit, major permit modification, permit renewal, permit reissuance, and submission of a closure plan, attach the proof of public notice for each of the following: **See Attachments A, B, and C**

1. Newspaper - Attach the name of the newspaper, circulation location, copies of the notice, and dates of publication.
2. Municipality - Attach copies of the written notices sent to the host township and host county, and copies of the returned certified mail signature cards.
3. Contiguous Landowners - Attach copies of the written notice(s) sent to each landowner and copies of the returned certified mail signature cards.

**SECTION H. MUNICIPAL WASTE MANAGEMENT PLANS AND PERMITS**

For a new permit, major permit modification, permit renewal, or permit reissuance of a municipal waste landfill or resource recovery facility permit, is the proposed facility located in a county that has an approved municipal waste management plan that complies with Section 513 of Act 101? Yes ☒ No ☐

If the above answer is "yes", the applicant must complete form 46 - Relationship between Municipal Waste Management Plans and Permits. **N/A – modification to permit is for leachate management.**

**NOTE:** For each permit application, please submit the original (mark as such) and additional copies as requested by the Department's regional office.



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

## FORM HW-C COMPLIANCE HISTORY

Fully and accurately provide the following information, as specified. Attach additional sheets as necessary.

Type of Form HW-C Submittal (check all that apply):

☐ Original Filing ☒ Amended Filing Date of Last Filing 9/27/19

Type of Permit or License Submittal:

☐ New Application ☐ Renewal ☐ Annual Update ☒ Other **Major Modification**  
(specify)

### A. General Applicant Information:

1. NAME OF PERMIT OR LICENSE APPLICANT/PERMITTEE/LICENSEE ("applicant")  
(non-corporations attach documentation of legal name):

Keystone Sanitary Landfill, Inc.

ADDRESS: 249 Dunham Drive

Dunmore, PA 18512

TELEPHONE NUMBER: 570-343-5782

TAXPAYER ID#: 23-2637846

PERMIT, LICENSE OR APPLICATION ID#: 101247

2. Identify the form of management under which the applicant conducts its business (check appropriate box) and describe the type(s) of business activities performed:

<input type="checkbox"/> Individual	<input type="checkbox"/> Fictitious Name
<input type="checkbox"/> Municipality	<input type="checkbox"/> Partnership
<input type="checkbox"/> Proprietorship	<input type="checkbox"/> Limited Partnership
<input type="checkbox"/> Public Corporation	<input type="checkbox"/> Government Agency
<input checked="" type="checkbox"/> Private Corporation	<input type="checkbox"/> Joint Venture
<input type="checkbox"/> Syndicate	<input type="checkbox"/> Association
<input type="checkbox"/> Municipal Authority	<input type="checkbox"/> Other Type of Business _____ (specify)

3. Type of permit, license or application (check all that apply):

☐ Hazardous Waste Permit  
☐ Hazardous Waste Transporter License  
☒ Municipal Waste Permit  
☐ Regulated Medical, Chemotherapeutic Waste Transporter License  
☐ Residual Waste Permit  
☐ Other \_\_\_\_\_  
(specify)



**FORM HW-C****B. General Information Regarding "Related Parties"**

1. **Applicants which are a corporation or a division of a corporation**, provide the following information:
  - a. The principal shareholders or stockholders who own, hold, or control stock of five percent (5%) or more of a publicly held corporation or ten percent (10%) or more of a privately held corporation.
  - b. State the names, principal places of business and taxpayer ID numbers of all domestic and foreign parent corporations (including ultimate parent corporations), and all domestic and foreign subsidiary corporations of the applicant, as well as the subsidiary corporations of the ultimate parent corporation. Include unincorporated divisions and private corporations. A diagram of corporate structure may be provided to illustrate corporate relationships.
  - c. List all principals of the corporation that have also been principals of other corporations which have committed any violation of the Environmental Protection Acts. (See Instructions, Items 2 and 6.)
2. Provide the names and addresses of all principals, corporate officers, general and limited partners, directors, other persons performing a function similar to a director, and other persons or related parties of the applicant (see Instructions, Items 4 and 5). The relationship to the applicant must be clearly described.
3. Provide the names and addresses, or IRS tax identification numbers<sup>1</sup> and affiliation of other persons or related parties having or exercising control over any aspect of the proposed facility or activity that is regulated by the Department, including but not limited to, associates, agents, contractors, subcontractors, and property owners.
4. Provide the names and addresses of all owners of record of surface and subsurface areas within and contiguous to the proposed permit area. (Not applicable to transporter license applicants.)
5. Provide the names and addresses of all holders of record to a leasehold interest of surface and subsurface areas within and contiguous to the proposed permit area.
6. If the applicant, or other related party to the applicant, has a beneficial interest in, or otherwise manages or controls any other person, municipality or other related party (as described in Sections A and B) engaged in the business of solid waste collection, transportation, storage, processing, treatment, or disposal, provide the following information:
  - a. The name, address and tax identification number or employer identification number of the corporation, other person, municipality, or other entity, in which the applicant or other related party has a beneficial interest, manages, or controls as described above.

See Attached

- b. The nature of the relationship or participation with the corporation, other person, municipality, or other related party.

See Attached

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<sup>1</sup> Failure to provide all applicable numbers may delay processing of the application.

## FORM HW-C

## C. Specific information Regarding the Applicant and Its Related Parties

1. List the name and location of all of the **applicant's** and **related party's places of business and terminals** where municipal, residual and/or hazardous waste activities are conducted. Such activities include, but are not limited to generation, processing, collection, transportation and storage, treatment or disposal of solid waste, except that locations that generate only municipal waste need not be listed.

SEE ATTACHED

2. List all **permits or licenses issued** by the Department or any other state or federal agency under the Environmental Protection Acts to the applicant or any other persons or related parties identified in Sections A or B, that are currently in effect or have been in effect at any time in the ten years previous to the date on which this form is notarized. This list is to include the type of permit or license, permit or license number, location, address, issuance date and expiration date.

SEE ATTACHED

3. List all **permit or license denials** issued by the Department or any other state or federal agency under the Environmental Protection Acts to the applicant or any other person or related party identified in Section A or B, within ten years previous to the date on which this form is notarized. Include the type of permit or license, permit or license number, location, denial date and reason for denial.

None

4. List all persons or related parties identified in Sections A or B which have filed for or been discharged from **bankruptcy** within 10 years previous to the date on which this form is notarized. Specify the circumstances of bankruptcy including those for which the debtor sought to abandon property or to be discharged from any environmental liability subject to the Environmental Protection Acts. Include the name of the bankruptcy court, docket number and description and location of any property involved.

None

## D. Compliance Background:

(Note: Copies of specific documents must be made available to the Department upon its request)

## FORM HW-C

**Compliance History:**

List all **"Enforcement Actions"** issued by the Department or any other state or federal or county agency to the applicant or those persons or related parties identified anywhere in response to Sections A, B or C using the following format grouped by state and location in chronological order.

Date	Location	Permit/ License/ EPA ID #	Issuing Agency	Type of Action	Nature of Violation	Disposition	Dollar Amount of Penalty
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Enforcement actions include but are not limited to:

All **notices of violation (NOVs)**, issued by any regulatory agency to the applicant or those persons or related parties identified anywhere in Sections A, B or C concerning the Environmental Protection Acts, or any other environmental statute, regulation or ordinance.

All **administrative orders, civil penalties, permit or license suspensions/revocations, bond forfeiture actions, and civil penalty actions** adjudicated by any judicial body against the applicant or those persons or related parties identified anywhere in Sections A, B or C concerning the Environmental Protection Acts, or a regulation or order or a condition of a permit or license.

All **consent orders, consent adjudications, consent decrees or monetary settlements (settlement agreements, letter agreements, settlement letters or consent assessments)** between the applicant or those persons or related parties identified anywhere in Sections A, B or C and any state, federal or county agency regarding the Environmental Protection Acts, or any other environmental statute, regulations or ordinance.

All **court proceedings** in which those persons or related parties identified anywhere in Sections A, B or C have been involved in relation to the Environmental Protection Acts.

All **summary, misdemeanor, or felony convictions, or pleas of guilty or no contest** that have been obtained against the applicant or those persons or related parties identified anywhere in Sections A, B or C, pursuant to the Environmental Protection Acts, or for any acts involving the generation, storage, treatment, transportation, processing, or disposal of municipal, residual or hazardous waste.

For all persons and municipalities identified in Section A, B or C, indicate all violations committed and any subsequent enforcement actions taken regarding the facility or activity not previously listed in this section, concerning the Environmental Protection Acts.

State the reasons for suspension, revocation, or denial of any permit/permit application or license/license application filed by the applicant or any related party concerning the Environmental Protection Acts. Provide the date, location and nature of the violations, type of action, issuing agency, dollar amount of any monetary penalty associated with the action and permit, license, EPA ID# or other identifying number if applicable.

**FORM HWC**

**B. General Information Regarding "Related Parties"**

1. c. Commonwealth Environmental Systems, L.P.  
Keystone Landfill, Inc. its Limited Partner  
L&D Management Inc. its General Partner  
Louis DeNaples, President  
Dominick DeNaples, Secretary/Treasurer

DMS Shredding Inc.  
Louis DeNaples, President  
Dominick DeNaples, Vice President

Keystone Quarry, Inc.  
Louis DeNaples, President  
Dominick DeNaples, Secretary/Treasurer

Thomson #1  
Louis DeNaples, President  
Thomson #2  
Dominick DeNaples, President

Rte. 309 Development  
Louis DeNaples, President  
Dominick DeNaples, Vice President

Mt. Airy Casino & Resort  
Louis DeNaples, President (7-2004 to 9-2009)

Maco Associates, Inc.  
Louis DeNaples, President  
Dominick DeNaples, Vice President

DeNaples Auto Parts, Inc.  
Louis DeNaples, President  
Dominick DeNaples, Vice President

CSY, Inc.  
Louis DeNaples, President  
Dominick DeNaples, Vice President

Commonwealth Quarry, Inc.  
Louis DeNaples, President  
Dominick DeNaples, Vice President

CL&W Property  
Louis DeNaples, President  
Dominick DeNaples, Vice President

WBD, Inc.  
Louis DeNaples, President

Lackawanna Recycling Center, Inc.  
DMS Shredding, Inc.  
Louis DeNaples, President of DMS  
Dominick DeNaples, Vice President of DMS

Smart Recycling, Inc/D&L Realty  
D&L Realty (property owner only)  
Louis DeNaples, President of D&L Realty  
Dominick DeNaples, Vice President of D&L Realty

N&L Transportation, Inc.  
Louis DeNaples, President (4-15-92 to 1-1-2008); Trustee 3/2014 to 12/2014

**2. Principles of the Corporation are:**

Louis A. DeNaples, President  
400 Mill Street  
Dunmore, PA 18512

Dominick L. DeNaples, Secretary/Treasurer  
400 Mill Street  
Dunmore, PA 18512

Louis and Dominick DeNaples each own 50% of the stock in Keystone Sanitary Landfill, Inc.  
Federal Tax I.D. # 23-2637846

3. Dan O'Brien, Business Manager  
Rear 202 Debbie Drive  
Scranton, PA 18505

**4. CONTIGUOUS LANDOWNERS**

Marshwood Development Company  
930 Dunmore Street  
Throop, PA 18512

Keystone Company  
400 Mill Street  
Dunmore, PA 18512

D&L Realty Co.  
400 Mill Street  
Dunmore, PA 18512

PAWC  
800 Hershey Park Drive  
Hershey, PA 17033

One Thousand Dunham Drive LLC  
1000 Dunham Drive  
Dunmore, PA 18512

Klenova Corp.  
1200 Dunham Drive  
Dunmore, PA 18512

F&L Realty  
400 Mill Street  
Dunmore, PA 18512

DBOB Scranton LP  
1030 Reeves Street  
Dunmore, PA 18512

Keymarket Warehouse Investor  
1777 Sentry Pkwy. W. Suite 200  
Blue Bell, PA 19422

Thomson 1LLC & Thomson 2 LLC  
400 Mill Street  
Dunmore, PA 18512

Marshwood Enterprises LLC  
1201 Marshwood Road  
Throop, PA 18512

SLIBCO  
222 Mulberry Street, PO Box 431  
Scranton, PA 18501

Raynov Realty LLC  
1035 Reeves Street  
Dunmore, PA 18512

Commonwealth of Pennsylvania  
Department of Transportation  
Harrisburg, PA

John & David Perry  
100 Reeves Street  
Dunmore, PA 18512

Reeves Street Investment Group LLC  
1447 Monroe Ave.  
Dunmore, PA 18512

Borough of Dunmore  
400 South Blakely Street  
Dunmore, PA 18512

Five Star Equipment, Inc.  
Successor to Drake Diesel Service, Inc.  
1300 Dunham Drive  
Dunmore, PA 18512

Theta Land Corporation  
1004 Exeter Ave  
Exeter, PA 18643

JoJo Oil Company Inc.  
1031 B Reeves Street  
Dunmore, PA 18512

Mary Ann Habeeb  
108 Upland Terrace  
Clark Summit, PA 18411

## 5. Leasehold Interests

Dunmore Materials/H&K  
500 Dunham Drive  
Dunmore, PA 18512

North American Warhorse  
1000 Dunham Drive  
Dunmore, PA 18512

Anixter  
241 Dunham Drive  
Dunmore, PA 18512

Apex Waste Services, Inc.  
13 Peggy Parkway  
Dunmore, PA 18512

Extra Storage Space  
1030 Reeves Street  
Dunmore, PA 18512

Family Care Children & Youth  
1031 Reeves Street  
Dunmore, PA 18512

Protection Services  
1033 Reeves Street  
Dunmore, PA 18512

USA Installation  
1033 Reeves Street  
Dunmore, PA 18512

Keystone Gymnastics  
1035 Reeves Street  
Dunmore, PA 18512

Keystone Propane  
1201 Marshwood Road  
Throop, PA 18512

Xtra Lease  
1201 Marshwood Road  
Throop, PA 18512

Avanti Cigar  
200 Keystone Industrial Park  
Dunmore, PA 18512

CB&I  
1150 Keystone Industrial Park  
Dunmore, PA 18512

Dunmore DPW  
400 S. Blakely Street  
Dunmore, PA 18512

Scranton Martial Arts  
1000 Dunham Drive  
Dunmore, PA 18512

General Billing Associates  
1000 Dunham Drive  
Dunmore, PA 18512

PA Ambulance LLC  
1000 Dunham Drive  
Dunmore, PA 18512

Innovor/Comfort Holding  
103 Power Blvd  
Archbald, PA 18403

6. a. DMS Shredding  
Rear 9 Fellows Avenue  
Wilkes Barre, PA 19703  
23-2979509

Lackawanna Recycling Center, Inc.  
400 Boulevard Ave.  
Scranton, PA 18512  
20-2308293

DeNaples Auto Parts, Inc.  
400 Mill Street  
Dunmore, PA 18512  
35-157156

Commonwealth Environmental Systems LP  
99 Commonwealth Road  
Hegins, PA 17938  
23-2792722

D's U Pull It, Inc.  
400 Mill Street  
Dunmore, PA 18512  
27-0294981

b. DMS Shredding  
Louis DeNaples, President  
Dominick DeNaples, Vice President

Lackawanna Recycling Center, Inc.  
DMS Shredding, Inc.  
Louis DeNaples, President of DMS  
Dominick DeNaples, Vice President of DMS

DeNaples Auto Parts, Inc.  
Louis DeNaples, President  
Dominick DeNaples, Vice President

Commonwealth Environmental Systems, L.P.  
L&D Management Inc. its General Partner  
Louis DeNaples, President of L&D  
Dominick DeNaples, Secretary/Treasurer of L&D

D's U Pull It, Inc.  
Louis DeNaples, President  
Dominick DeNaples, Secretary/Treasurer

### C. Specific Information Regarding the Applicant and Its Related Parties

- I. Keystone Sanitary Landfill, Inc.  
249 Dunham Drive  
Dunmore, PA 18512  
Dunmore/Throop Boroughs

Commonwealth Environmental Systems, L.P.  
99 Commonwealth Road  
Hegins, PA 17938  
Foster Township

DMS Shredding, Inc.  
Rear 9 Fellows Avenue  
Wilkes Barre, PA 18703  
Hanover Township

Lackawanna Recycling Center, Inc.  
3400 Boulevard Avenue  
Scranton, PA 18512  
Scranton

2. PADEP Permit # 101247 – Solid Waste Permit  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Bureau of Waste Management  
Wilkes Barre, PA  
Issued 5/23/90 – Expires 4/6/2025

PADEP Permit # 101615 – Solid Waste Permit  
Commonwealth Environmental Systems, Hegins (CES)  
PADEP  
Bureau of Waste Management  
Wilkes Barre, PA  
Issued 12/21/94 – Expires 1/31/2027

Title V Permit # 35-00014  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Air Quality Program  
Wilkes Barre, PA  
Issued Date: 6/9/1998 – Revised Date 1/30/2007 – Expires 8/24/2010 –  
Administratively Extended to 9/29/2015  
Issued 9/29/15 – Expires 9/29/2020

Title V Permit # 54-00054A  
CES, Hegins  
PADEP  
Air Quality Program  
Wilkes Barre, PA  
Issued 4/01/15 – Expires 5/31/2020

Permit # 40-00096  
DMS Shredding, Wilkes Barre  
PADEP  
Air Quality Program  
Wilkes Barre, PA  
Issued 6/13/17 –Expires 6/13/2020



Plan Approval # 35-322013 – Flares  
Keystone Sanitary Landfill, Dunmore  
PaDEP  
Air Quality Program  
Wilkes Barre, PA  
Issued 6/24/2013

Plan Approval # 35-322-012 – Increase in Tonnage  
Keystone Sanitary Landfill, Dunmore  
PaDEP  
Air Quality Program  
Wilkes Barre, PA  
Issued 2014

Plan Approval # 35-0703 – Waste Relocation (Request for Determination)  
Keystone Sanitary Landfill, Dunmore  
PaDEP  
Air Quality Program  
Wilkes Barre, PA  
Issued 3/11/2014

Permit # GP11-35-009 – AQ General Permit  
Keystone Sanitary Landfill, Dunmore  
PaDEP  
Air Quality Program  
Wilkes Barre, PA  
Issued 2/23/2016

Plan Approval # 54-00054A – Flare  
CES, Hegins  
PADEP  
Air Quality Program  
Wilkes Barre, PA  
Issued 4/18/19 – Expires 5/31/2020

PAR 502203 – NPDES Stormwater Discharge  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Bureau of Water Management  
Issued 8/1/12 – General Permit

PAR 502208 – NPDES Stormwater Discharge  
CES, Hegins  
PADEP  
Bureau of Water Management  
Issued 8/1/12 – General Permit

PA 0065307 – NPDES Permit  
CES, Hegins  
PADEP  
Bureau of Water Management  
Issued 12/1/11 – Expires 11/30/2016 (Administratively Extended)

PAR 602201 – NPDES Stormwater Discharge  
DeNaples Auto Parts, Dunmore  
PADEP  
Bureau of Water Management  
Issued 7/1/12 – General Permit

PAR 602215-A1 – NPDES Stormwater Discharge  
Lackawanna Recycling Center, Scranton  
PADEP  
Bureau of Water Management  
Issued 6/9/15 – Expires 8/21/2019

PA0060054 – NPDES Discharge  
Mt. Airy Casino & Resort, Mt. Pocono  
PADEP  
Bureau of Water Management  
Expires 10/20/2017 (Administratively Extended)

PA1024505025(4) – Storm Water Discharge  
Mt. Airy #1 Pool Building Addition, Mt. Pocono  
PADEP  
Bureau of Water Management  
Issued 2/13/2013 Expires 2/12/2018

PA 0225258 – NPDES Coal Mine  
MACO, Dunmore  
PADEP  
Bureau of Water Management  
Issued 11/23/2016

PAM112046 – Mining Stormwater  
Keystone Quarry/CES, Hegins  
PADEP  
Bureau of Water Management  
Issued 2/7/2019

PAM112040 – Mining Stormwater  
Keystone Quarry/CES 2 Quarry, Hegins  
PADEP  
Bureau of Water Management  
Issued 7/22/2014

PAI023515004 – Individual Chapter 102 NPDES Permit  
WBD, Inc., Olyphant  
PADEP  
Bureau of Water Management  
Issued 6/8/2016

PAM111103 – Mining Stormwater  
CSY, Inc., Dunmore  
PADEP  
Bureau of Water Management  
Issued 4/11/2016

PAM118031 – Mining Stormwater  
D&L Reality Powderly Bank  
PADEP  
Bureau of Water Management  
Issued 11/30/2018

Permit # 2000-007 – Industrial Discharge  
Keystone Sanitary Landfill, Dunmore  
PA American Water  
Scranton, PA  
Issued 4/1/12 – Expires 3/31/2022

Permit # 122-TH – Industrial Discharge  
Keystone Sanitary Landfill, Dunmore  
Lackawanna River Basin Sewer Authority (LRBSA)  
Scranton, PA  
Issued 1/1/17 – Expires 12/31/2021

Docket No. 20080611-1  
Keystone Sanitary Landfill, Dunmore  
Susquehanna River Basin Commission (SRBC)  
Harrisburg, PA  
Approval Date 6/12/2008

Docket No. 20070304-1  
CES, Hegins  
Susquehanna River Basin Commission (SRBC)  
Harrisburg, PA  
Approval Date 3/14/2007

DRBC Docket D-77-58-4 Waste Water Treatment Plant  
Mount Airy #1 LLC, Mt. Pocono  
PADEP  
Issued 5/10/2012 Expires 10/31/2017

DRBC Docket D-89-37-3  
Mount Airy Casino Golf Course, Mt. Pocono  
Wells and Golf Course Irrigation  
PADEP  
Issued 2/28/2012

Permit # 4513875  
Mount Airy Casino Golf Course, Mt. Pocono  
Joint Permit for use of an algaecide, herbicide or fish control chemical in waters of  
the Commonwealth  
PADEP  
Issued 7/2016 Expires 7/2017

Radio License # 0003338142  
Keystone Sanitary Landfill, Dunmore  
FCC  
Washington DC  
Issued 9/8/12 – Expires 12/03/2022

Radio License # 0003253580  
Keystone Sanitary Landfill, Dunmore  
FCC  
Washington DC  
Issued 3/20/13 – Expires 3/20/2023

Radio License # 0005633906  
CES, Hegins  
FCC  
Washington DC  
Issued 07/16/2013 – Expires 07/16/2023

Permit # 90-35-82-8-01 – Earth Disturbance  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Soil and Water Conservation  
Harrisburg, PA  
Issued 8/1/88 – No Expiration

E35-282 – Chapter 105 Wetlands Permit  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Bureau of Water Management  
Wilkes Barre, PA  
Issued 9/9/97 – No Expiration

E35-469 – Water Obstruction & Encroachment Permit  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Bureau of Water Management  
Wilkes Barre, PA  
Received 10/20/2017 - Pending

Permit # E54-326 – Water Obstruction & Encroachment Permit  
CES, Hegins  
PADEP  
Watershed Management Program  
Wilkes Barre, PA  
Issued 6/14/2006 – No Expiration

Permit #E45-538 – Trails Improvement Project  
Mt. Airy #1 LLC, Mt. Pocono  
PADEP  
Water Obstruction and Encroachment Permit  
PA State Programmatic General Permit  
Issued 12/1/2010

Permit # 245067 – Public Water Permit Community Waste System Operations  
Mt. Airy Casino & Resort, Mt. Pocono  
PADEP  
Watershed Management Program  
Wilkes Barre, PA  
Issued 12/5/2007

Permit # E54-326 – Water Obstruction & Encroachment Permit  
CES, Hegins  
PADEP  
Watershed Management Program  
Wilkes Barre, PA  
Issued 6/14/2006 – No Expiration

Permit # PAG2-0054-06-022- Wetlands Mitigation  
CES, Hegins  
PADEP  
Bureau of Water Management  
Wilkes Barre, PA  
Issued 6/3/07 Expires – No renewal required per PADEP letter

Permit # GP053515404 – Utility Line Stream Crossing/SPGP Category 1  
D&L Realty/Highline Auto, Olyphant  
PADEP

Bureau of Water Management  
Wilkes Barre, PA  
Issued 10/9/2015

Permit # 5056 – Mining License  
Keystone Sanitary Landfill/Keystone Quarry, Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 4/5/2019 – Expires 2/29/2020

Incidental Coal Extraction Permit # 35150901  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Pottsville District Mining Office  
Pottsville, PA  
Issued 4/27/15 – will expire with Solid Waste Permit 101247

Incidental Coal Extraction Permit # 54120901  
Keystone Quarry/CES Landfill, Hegins  
PADEP  
Pottsville District Mining Office  
Pottsville, PA  
Issued 10/11/16 – will expire with Solid Waste Permit 101615

Permit(s) # 54990301, 54990301GP104  
Keystone Quarry/CES No. 2 Quarry, Hegins  
PADEP  
Pottsville District Mining Office  
Pottsville, PA  
Expires 7/22/2024

Permit(s) # 54980302, 54980302GP104  
Keystone Quarry/CES No. 1 Quarry, Hegins  
PADEP  
Pottsville District Mining Office  
Pottsville, PA  
Expires 4/7/2024

Permit # 1792 – Coal Mine License  
Permit # 35970201R  
APHC II, Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 12/11/2018

Permit # 5843 – Coal Mine License  
CSY, Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 11/21/2018

Permit # 35840203 – Refuse Reprocessing Permit  
CSY, Inc., Dunmore  
PADEP  
Bureau of Mine & Reclamation  
Issued 8/14/19

Permit # 17503 – Industrial Mineral Mine Operator  
D&L Realty, Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued: 6/20/19

Permit # 16589 – Industrial Mineral Mine Operator  
Carrier Coal, Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 3/6/2019

Permit # 5061 – Coal Mine License  
MACO, Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 3/26/2019

Permit # 35090101 –Surface Mining License  
MACO, Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 1/5/2020

Permit # 35131104 – Mining  
D&L Realty Clinton Dewees Mine, Fell Twp.  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 12/5/2013 – Reclamation Completed

Permit # 35101801 - Mining  
D&L Realty Jermyn Quarry, Scott Twp.  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 3/31/2010– Reclamation Completed

Permit # 35161101 - Mining  
D&L Realty Powderly Bank, Mayfield  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 5/26/2016

Permit # 40131106 - Mining  
D&L Realty Woodward Mine, Edwardsville  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 9/11/2013– Reclamation Completed

Permit # 18793 – Coal Mine Operator Authorization  
Smart Recycling Co. Inc. Dunmore  
PaDEP  
Bureau of Mine & Reclamation  
Harrisburg, PA  
Issued 10/31/2018

Permit # D35-151 – Basin 3  
CES, Hegins  
PADEP  
Dams & Waterway Management  
Harrisburg, PA  
Issued 11/9/87

Permit # D35-152 – Basin 4  
CES, Hegins  
PADEP  
Dams & Waterway Management  
Harrisburg, PA  
Issued 11/9/87

Permit # 35124001 – Blasting Activity Permit  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Pottsville, PA  
Issued 9/20/12 – Expires 12/31/2022

Permit # 35024021 – Blasting Activity Permit  
Keystone Sanitary Landfill/Phase II Permit, Dunmore  
PADEP  
Pottsville, PA  
Issued 11/07/2017 – Expires 12/31/2022

Permit # 54144101 – Blasting Activity Permit  
CES, Hegins  
PADEP  
Pottsville, PA  
Issued 4/09/14 – Expires 6/01/2020

Storage Tank – Facility ID 35-23334  
Keystone Sanitary Landfill, Dunmore  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Expires 4/4/2020

Storage Tank – Facility ID 35-34168  
S C Co. Olyphant Boro/Dunmore Oil  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Expires 4/4/2020

Storage Tank – Facility ID 54-37435  
CES, Hegins  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Expires 4/4/2020

Storage Tank – Facility ID 54-50238  
DeNaples Auto Parts, Dunmore  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Expires 4/4/2020

Storage Tank – Permit # 35-32807  
D's U Pull It, Dunmore  
Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Expires 4/4/2020

Storage Tank – Facility ID 35-50978  
CL&W, Dunmore  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Issued 1/13/2015 - Inactive

Storage Tank – Facility ID 45-50835  
Mt. Airy #1 LLC, Mount Pocono  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Issued 7/7/2008

Storage Tank – Facility ID 35-27644  
D&L Realty/Smart Recycling, Dunmore  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Issued 4/18/2008

Storage Tank – Facility ID 35-34106  
N&L Transportation, Inc., Dunmore  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Expires 4/4/20

Storage Tank – Facility ID 35-10251  
Thomson 1 LLC/Thomson 2 LLC, Dunmore  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Issued 1/18/2013 - Inactive

Storage Tank – Facility ID 40-32158  
Rte. 309 Development, Dallas  
PADEP Division of Storage Tanks  
Bureau of Cleanup & Brownfields  
Harrisburg, PA  
Issued 9/12/2002 - Inactive



Permit # WH0031  
DeNaples Auto Parts, Dunmore  
PADEP  
Bureau of Waste Management  
Issued 4/30/2015 – Voluntarily Terminated

Permit # WTT0108  
DeNaples Auto Parts, Dunmore  
PADEP  
Bureau of Waste Management  
Issued 9/4/2018

Permit # WH0074  
Keystone Sanitary Landfill, Dunmore  
PADEP  
Bureau of Waste Management  
Expiration 9/30/19

Permit # WH0033  
N&L Transportation, Dunmore  
PADEP  
Bureau of Waste Management  
Issued 4/27/2006 – Voluntarily Terminated

Permit # WH1764  
N&L Transportation, Dunmore  
PADEP  
Bureau of Waste Management  
Issued 10/25/2018

Permit # WH7560  
Smart Recycling, Dunmore  
PADEP  
Bureau of Waste Management  
Issued 4/23/2019

Permit # WH7133  
C&D Enterprises, Dunmore  
PADEP  
Bureau of Waste Management  
Expired

DATE	LOCATION	PERMIT/ LICENSE	ISSUING AGENCY	TYPE OF ACTION	VIOLATION ID NUMBER	NATURE OF VIOLATION	DISPOSITION	DOLLAR AMOUNT OF PENALTY
4/9/2015	Keystone Quarry, Inc.	36-08726	MSHA	Violation	880126	Standard 56.14130(i)	Closed	\$392
4/27/2015	Lackawanna Recycling Center, Inc.	PAR602215	PaDEP	Violation	722808	NPDES Failure to submit monitoring report or complete monitoring report 25 Pa.Code 92a.41(a)(12)	Administrative Close Out	
4/29/2015	Rte. 309 Development		PaDEP	Violation	721309	Violation PaCode 245.309, 245.310	Comply/Closed	\$2,500
5/7/2015	Keystone Quarry, Inc.	36-08726	MSHA	Violation	8808125	Standard 14101(a)(2)	Closed	\$392
5/19/2015	N&L Transporation, Inc.		PaDEP	Violation	723876	25PaCode 299.220(1) Incomplete business name, address sign on vehicle PA Code 299.216(d) No contingency plan available	Comply/Closed	
5/19/2015	Smart Recycling Co. Inc.		PaDEP	Violation	723843	Specific type of waste not marked on vehicle. 25 PA Code 285.218(2)	Comply/Closed	

8/11/2015	WBD, Inc.		PaDEP	Violation	743275	PACode 105.11 Failure to obtain a permit.	Comply/Closed	
8/12/2015	DeNaples Auto Parts, Inc.	PAR602201	PaDEP	Violation	735227	PA Code 92a.41(a)(12) Failure to submit annual monitoring and reporting requirements of permit	Administrative Close Out	
9/17/2015	CSY, Inc.	5843	MSHA	Violation	735034	PA Code 77.1108 Firefighting equipment, requirements	Corrected/Abated	
10/22/2015	N&L Transportation, Inc.		PaDEP	Violation	737623	PaCode 285.218(1) Incomplete business name, address signage on vehicle	Comply/Closed	
11/5/2015	N&L Transportation, Inc.		PaDEP	Violation	738490	PaCode 27 P.S. 6204(e) Waste transporter failed to submit a compliance history	Administrative Close Out	
10/22/2015	Smart Recycling Co. Inc.		PaDEP	Violation	737730	Waste is not completely covered during transportation and parking with a cover that is waterproof, securely fastened, and eliminates littering, dust, leakage, discharge, vectors, or other nuisances. PaCode 285.211(a)	Comply/Closed	
11/12/2015	Keystone Quarry, Inc.	36-08726	MSHA	Violation	8919704	Standard Violated 56.14101(a)(2)	Closed	\$176

1/17/2015	Commonwealth Quarry Inc.	36-10105	MSHA	Violation	8915459	Standard Violated 56.4201(a)(2)	Closed	\$100
1/18/2015	Smart Recycling		PaDEP	Violation	740928	PaCode 245.441, 245.442, 245.443, 245.444, 245.446 Failure to comply with underground storage tank system release detection requirements.	Closed	
1/23/2015	Mt. Airy Casino & Resort		PaDEP	Violation		Failure to meet all the registering and reporting requirements. Violation of the Water Resources Planning Act 25 PA Code Ch. 110	Comply/Closed	
1/20/2016	Maco Associates, Inc.	38-08406	MSHA	Violation	8001953	Standard 50.30(a)	Closed	\$100
3/25/2016	Keystone Sanitary Landfill, Inc.	35-00014	PaDEP	Violation		Section C Condition 019 Failure to submit Annual Compliance Certification due March 1st of every year.	Closed	
4/7/2016	Keystone Quarry, Inc.	36-08726	MSHA	Violation	8922068 8922069	Standard Violated 56.14101(b) and 56.11003	Closed	\$276
4/7/2016	Commonwealth Environmental Systems, L.P.	54-00054	PaDEP	Violation		Section C Condition 019 Failure to submit Annual Compliance Certification due March 1st of every year.	Closed	

5/24/2016	CSY, Inc.	5843	MSHA	Violation	760674	PA Code 77.410 Warning device shall be maintained in functional condition	Corrected/Abated	
6/2/2016	CL&W		PaDEP	Violation	760671	Polluting substance allowed to discharge into waters of the Commonwealth.	Civil Penalty	\$42,666.77
8/1/2016	Maco Associates, Inc.	38-08406	MSHA	Violation	8002642	Standard 71.100(d)	Closed	\$116
8/17/2016	Keystone Quarry, Inc.	36-08726	MSHA	Violation	9310494, 9310495, 9310496	Standard Violated 56.15004, 56.11003 and 56.14100c	Closed	\$428
10/27/2016	Maco Associates, Inc.	38-08406	MSHA	Violation	8002578	Standard 71.206(a)	Closed	\$116
11/3/2016	Rte. 309 Development		PaDEP	Violation	771574	Violation PA Code 245.312	Comply/Closed	
11/9/2016	Keystone Sanitary Landfill, Inc.	101247	PaDEP	Violation	772052, 772050, 772053	25 PA Code 91.33(a) in violation of PA Code 273.201(c), 285.123(5), 273.20(c), 285.116(c) and 273.201(c).	Comply/Closed	

12/5/2016	N&L Transporation, Inc.		PaDEP	Violation	773533	Waste transporter failed to submit compliance history. 27 PS 6204(e)	Closed	
12/5/2016	Rte. 309 Development		PADEP	Violation	773569	Violation PA Code 245.312	Comply/Closed	
1/26/2017	Keystone Sanitary Landfill, Inc.	101247	PaDEP	Violation		25 PA Code 92a.1(b). A person may not discharge pollutants from a point source into surface waters except as authorizes under a NPDES Permit.	Closed	
2/1/2017	Keystone Quarry, Inc.	36-08726	MSHA	Violation	9315514, 3515515, 9315516	Standard Violated 56.4201(a)(2), 5634104a, 47.44b	Closed	\$348.00
3/13/2017	Commonwealth Quarry Inc.	36-10105	MSHA	Violation	9315186, 9315187	Standard violated 56.14112a2, 56.14101a2	Closed	\$232.00
3/29/2017	Maco Associates, Inc.	38-08406	MSHA	Violation	8002893, 8002889	Standard 41.12, 71.201(d)	Closed	\$232
1/13/2017	Maco Associates, Inc.	38-08406	MSHA	Violation	8003263	Standard 77.201(e)	Closed	\$116

1/22/2017	Commonwealth Quarry Inc.	36-10105	MSHA	Violation	9318458	Standard violated 56.20011	Closed	\$116.00
1/31/2017	CSY, Inc.		PaDEP	Violation	787138, 787139	Standard violation 77.1109d, IV(A)(401)	Comply/Closed	
1/23/2017	Keystone Sanitary Landfill, Inc.	101247	PaDEP	Violation		PA C.S.A. 6201-6209 - Violation of the Waste Transporter Safety Act DEP Waste Hauler License WH0074	Closed	\$500.00
8/3/2017	Keystone Quarry, Inc.	36-08726	MSHA	Violation	9317059	Standard Violated 56.12030	Closed	\$116.00
1/15/2017	Commonwealth Quarry Inc.	36-10105	MSHA	Violation	9365681	Standard violated 56.14112(b)	Closed	\$118.00
2/19/2017	Keystone Quarry, Inc.	36-08726	MSHA	Violation	9368412, 9368413	Standard Violated 56.120089, Standard violation 56.14132(b)(1)	Closed	\$256.00
1/2/2018	Keystone Landfill, Inc.	101247	PaDEP	Violation	805530	Polluting substance allowed to discharge into waters of the Commonwealth.	Closed	

1/5/2018	Keystone Sanitary Landfill, Inc.	35-23334	PADEP	Violation	805349	Above Ground Storage Tank diesel fuel spill approx, 250 gallons	Closed	
1/23/2018	Keystone Sanitary Landfill, Inc.	101247	PA Dept. of Labor	Violation	16737	Boiler Laws 1331.1-1331.19	Closed	
2/21/2018	Keystone Landfill, Inc.	101247	PaDEP	Violation		Storage Tank and Spill Prevention Act Pa Code 245-612g	Closed	
3/10/2018	Commonwealth Quarry Inc.	36-10105	MSHA	Violation	9413306, 9413307	Standard violated 56.15004, 56.14132a	Closed	\$236.00
3/27/2018	Keystone Quarry, Inc.	36-08726	MSHA	Violation	9368480, 9368481	Standard Violated 56.14112(B) Standard violation 56.56.12032)	Closed	\$236.00
3/20/2018	Keystone Sanitary Landfill, Inc.	101247	PaDEP	Violation	829075	25 PA Code 273.275(b) Keystone used more than 25% of the total leachate storage capacity for flow equalization on a regular basis.	Comply/Closed	
0/23/2018	Commonwealth Quarry Inc.	36-10105	MSHA	Violation	9417114, 9417113, 9417116	Standard violated 56.14101(a)(3), 56.14132(a) and 56.120.3	Closed	\$354.00



3/17/2018	Keystone Sanitary Landfill, Inc.	35-00014	PaDEP	File Review		Section E Group 1, Condition #026 not submitting all required data within their quarterly report - immediately corrected and in compliance.	Complied	
1/21/2018	Smart Recycling/D&L Realty	35-27644	PaDEP	Violation	841237, 841235, 841236	Failure to meet underground storage tank system operational requirements. Failure to comply with underground storage tank system release detection requirements.	(2) Corrected/Abated 1 pending	
3/12/2019	Keystone Quarry, Inc.	36-08726	MSHA	Violation	9417250, 9417251, 9417252	Standard Violated 56.14100(b), 5639300(a), 56.12032	Closed	\$363.00
4/4/2019	Smart Recycling/D&L Realty	35-27644	PaDEP	Violation	845893, 845891, 845889, 845890, 845892	PA Code 245.304; 245.421; 245.432; 245.421; and 245.441, 245.443, 245.444, 245.445, 245.446	Complied	
4/4/2019	Commonwealth Quarry Inc.	36-10105	MSHA	Violation	9417165, 9417166, 9417167	Standard violated 56.14101(a)(3), 56.14132(a) and 56.120.3	Closed	\$363.00
9/5/2019	Keystone Quarry, Inc.	36-08726	MSHA	Violation	9466917, 9466916, 9466915, 9466914	Standard Violated 56.12004; 56.12019, 56.14103(b), 56.14132(a)	Closed	\$526.00

## FORM HW-C

I hereby certify that I have the authority to respond to the above questions on behalf of the applicant, and that the information provided herein is true and correct to the best of my knowledge, information and belief.

(Signature)

Name: Louis DeNaples  
(Print or Type Name)

Title: President  
(Print or Type Title)

Sworn to and subscribed before me this

13th day of December,

2019.

COMMONWEALTH OF PENNSYLVANIA  
NOTARY PUBLIC  
Donna DeNaples-DiLeo, Notary Public  
Dunmore Boro, Lackawanna County  
My Commission Expires May 27, 2020  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

(Signature)

Name: Dominick DeNaples  
(Print or Type Name)

Title: Secretary/Treasurer  
(Print or Type Title)

Sworn to and subscribed before me this

13th day of December,

2019.

COMMONWEALTH OF PENNSYLVANIA  
NOTARY PUBLIC  
Donna DeNaples-DiLeo, Notary Public  
Dunmore Boro, Lackawanna County  
My Commission Expires May 27, 2020  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Attach copy  
of Articles of Incorporation

(For Corporations, see the Instructions, Item 9, regarding signatures and submission of Articles of Incorporation.)

**Attachment A – Newspaper Advertisement**

## NOTICE

Notice is hereby given that Keystone Sanitary Landfill Inc. located at 249 Dunham Drive, Dunmore, PA 18512 intends to submit a major permit modification to Pennsylvania Department of Environmental Protection (PA DEP) to modify the leachate management plan covered in Solid Waste Permit No. 101247. Leachate is currently pretreated prior to sanitary sewer discharge. Plan modification allows for the discharge of high quality effluent which will meet applicable PADEP criteria suitable for beneficial use from an existing permitted reverse osmosis system.

Copies of this application have been provided to Lackawanna County and to Dunmore and Throop Boroughs. Persons who wish to comment on this application should contact PA DEP at the following address: PA DEP Northeast Regional Office, 2 Public Square, Wilkes-Barre, PA 18711-0790, telephone 570-826-2511.

## **Attachment B – Municipal Notification Letters**



December 13, 2019

Lackawanna County Commissioners  
200 Adams Avenue, 6<sup>th</sup> Floor  
Scranton, PA 18503

**Re: Keystone Sanitary Landfill, Inc.  
Notification of Solid Waste Management Major Permit Modification  
Dunmore and Throop Boroughs, Lackawanna County  
Act 14**

Dear Commissioners:

The purpose of this notification is to inform you of Keystone's intent to submit a permit application to the Pennsylvania Department of Environmental Protection (PA DEP) for the following project:

Project Name: Solid Waste Management Major Permit Modification  
Leachate Management Plan  
Keystone Sanitary Landfill, Inc.

Applicant Contact: Dominick DeNaples, Jr.  
Site Manager  
Keystone Sanitary Landfill, Inc.  
249 Dunham Drive  
Dunmore, PA 18512

Project Location: 249 Dunham Drive  
Dunmore and Throop Boroughs, Lackawanna County

Project Description: Keystone Sanitary Landfill, Inc. intends to submit a major permit modification to PA DEP to modify the leachate management plan under Solid Waste Management Permit No. 101247 to discharge high quality effluent from a reverse osmosis treatment system to Eddy Creek and Little Roaring Brook. Effluent quality will meet applicable PA DEP criteria and will be suitable for discharge and beneficial use.

Please submit any comments concerning this project within 30 days from date of receipt of this letter to PADEP, Northeast Regional Office, 2 Public Square, Wilkes-Barre, PA 18701-1915; telephone (570) 826-2511.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dominick DeNaples Jr.', is written over a horizontal line.

Dominick DeNaples, Jr.  
Site Manager

cc: Mr. T. Pullar, EARTHRES  
Mr. A. Magnotta

Phone  
(570) 343-5782

FAX  
(570) 348-3135



December 13, 2019

Dunmore Borough  
400 S. Blakely Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Notification of Solid Waste Management Major Permit Modification  
Dunmore and Throop Boroughs, Lackawanna County  
Act 14**

Dear Sir:

The purpose of this notification is to inform you of Keystone's intent to submit a permit application to the Pennsylvania Department of Environmental Protection (PA DEP) for the following project:

**Project Name:** Solid Waste Management Major Permit Modification  
Leachate Management Plan  
Keystone Sanitary Landfill, Inc.

**Applicant Contact:** Dominick DeNaples, Jr.  
Site Manager  
Keystone Sanitary Landfill, Inc.  
249 Dunham Drive  
Dunmore, PA 18512

**Project Location:** 249 Dunham Drive  
Dunmore and Throop Boroughs, Lackawanna County

**Project Description:** Keystone Sanitary Landfill, Inc. intends to submit a major permit modification to PA DEP to modify the leachate management plan under Solid Waste Management Permit No. 101247 to discharge high quality effluent from a reverse osmosis treatment system to Eddy Creek and Little Roaring Brook. Effluent quality will meet applicable PA DEP criteria and will be suitable for discharge and beneficial use.

Please submit any comments concerning this project within 30 days from date of receipt of this letter to PADEP, Northeast Regional Office, 2 Public Square, Wilkes-Barre, PA 18701-1915; telephone (570) 826-2511.

Sincerely,

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Dominick DeNaples, Jr.  
Site Manager

cc: Mr. T. Pullar, EARTHRES  
Mr. A. Magnotta

Phone  
(570) 343-5782

FAX  
(570) 348-3135



December 13, 2019

Robin Galli, Chief Clerk  
Throop Borough Municipal Building  
436 Sanderson Street  
Throop, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Notification of Solid Waste Management Major Permit Modification  
Dunmore and Throop Boroughs, Lackawanna County  
Act 14**

Dear Ms. Galli:

The purpose of this notification is to inform you of Keystone's intent to submit a permit application to the Pennsylvania Department of Environmental Protection (PA DEP) for the following project:

Project Name: Solid Waste Management Major Permit Modification  
Leachate Management Plan  
Keystone Sanitary Landfill, Inc.

Applicant Contact: Dominick DeNaples, Jr.  
Site Manager  
Keystone Sanitary Landfill, Inc.  
249 Dunham Drive  
Dunmore, PA 18512

Project Location: 249 Dunham Drive  
Dunmore and Throop Boroughs, Lackawanna County

Project Description: Keystone Sanitary Landfill, Inc. intends to submit a major permit modification to PA DEP to modify the leachate management plan under Solid Waste Management Permit No. 101247 to discharge high quality effluent from a reverse osmosis treatment system to Eddy Creek and Little Roaring Brook. Effluent quality will meet applicable PA DEP criteria and will be suitable for discharge and beneficial use.

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Sincerely,

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Dominick DeNaples, Jr.  
Site Manager

cc: Mr. T. Pullar, EARTHRES  
Mr. A. Magnotta

Phone  
(570) 343-5782

FAX  
(570) 348-3135



**Attachment C – Landowner Notification Letters**



December 5, 2019

Theta Land Corp.  
1004 Exeter Ave.  
Exeter, PA 18643

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

- Solid Waste Management Major Permit Modification
- National Pollutant Discharge Elimination System (NPDES) Permit Application
- Part II Water Quality Management (WQM) Permit Application

Copies of this application will be sent to Dunmore Borough, Throop Borough and the Lackawanna County Commissioners. Persons may submit comments to PADEP within 30 days of receipt of the application. Persons who wish to comment on these applications should contact PADEP at the following address: Program Manager, Waste Management Program, PADEP, Northeast Regional Office, 2 Public Square, Wilkes Barre, PA 18711-0790; telephone (570) 826-2511.

Sincerely,

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

Keystone Company  
400 Mill Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Sincerely,

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

D&L Reality  
400 Mill Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Sincerely,

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

Marshwood Development Co.  
930 Dunmore Street  
Throop, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

F&L Reality  
400 Mill Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

D&L Company  
400 Mill Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Sincerely,

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

Marshwood Enterprises LLC  
1201 Marshwood Road  
Throop, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Dominick DeNaples, Jr.  
Site Manager





December 5, 2019

Thomson 1 LLC & Thomson 2 LLC  
400 Mill Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Sincerely,

A handwritten signature in black ink, appearing to read 'Dominick DeNaples, Jr.', is written over a horizontal line.

Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

SL 1026-28 Reeves Street LLC  
195 Morristown Road  
Basking Ridge, NJ 07920

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

RPC Dunmore LLC  
PO Box 800729 Paradigm Tax  
Dallas, TX 75380

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

Raynov Reality LLC  
1035 Reeves Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

Mary Ann Habeeb  
108 Upland Terrace  
Clarks Summit, PA 18411

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Ms. Habeeb:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

JOJO Oil Company, Inc.  
1031B Reeves Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

Reeves St. Investment Group, Inc.  
1000 Reeves Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

Keystone Sanitary Landfill in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Municipal waste regulations, is notifying each owner of land contiguous to the Keystone Sanitary Landfill located at 249 Dunham Drive Dunmore, Pennsylvania of our intent to install and operate reverse osmosis (RO) treatment equipment at the leachate treatment plant. The addition of the RO treatment equipment will produce high quality effluent meeting the PADEP criteria making it suitable for stream discharge and beneficial use. It is proposed to discharge treated effluent to Eddy Creek and Little Roaring Brook, as well as beneficial use onsite. Keystone is submitting the following permit applications to PADEP for this project.

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Sincerely,

A handwritten signature in black ink, appearing to read 'Dominick DeNaples, Jr.', with a stylized flourish at the end.

Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

John S. & David A. Perry  
1000 Reeves Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager





December 5, 2019

Borough of Dunmore  
400 S. Blakely Street  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

1000 Dunham Drive  
1000 Dunham Drive  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

PAWC  
PO Box 2738  
% Tax Dept.  
Camden, NJ 08101

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

Klenova Corp.  
1200 Dunham Drive  
Dunmore, PA 18512

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Dominick DeNaples, Jr.  
Site Manager



December 5, 2019

W W Norton & Company, Inc.  
500 5<sup>th</sup> Ave.  
Attn: Stephen King  
New York, NY 10110

**Re: Keystone Sanitary Landfill, Inc.  
Leachate Treatment Plan Update and Beneficial Use of Treated Leachate**

Dear Sir:

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Site Manager

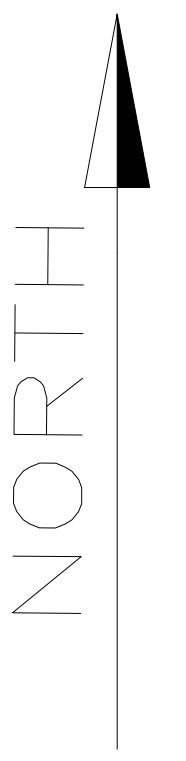
**Attachment D – Contiguous Landowner Map and List**

PROPERTY OWNERS

MAILING ADDRESSES

1	THETA LAND CORP	1004 EXETER AVE, EXETER, PA 18643
2	THETA LAND CORP	1004 EXETER AVE, EXETER, PA 18643
3	THETA LAND CORP	1004 EXETER AVE, EXETER, PA 18643
4	KEYSTONE COMPANY	400 MILL ST, DUNMORE, PA 18512
5	D&L REALTY COMPANY	400 MILL ST, DUNMORE, PA 18512
6	MARSHWOOD DEVELOPMENT COMPANY	930 DUNMORE ST, THROOP, PA 18512
7	F&L REALTY	400 MILL ST, DUNMORE, PA 18512
8	D&L COMPANY	400 MILL ST, DUNMORE, PA 18512
9	D&L REALTY COMPANY	400 MILL ST, DUNMORE, PA 18512
10	MARSHWOOD ENTERPRISES LLC	1201 MARSHWOOD RD, THROOP, PA 18512
11	MARSHWOOD ENTERPRISES LLC	1201 MARSHWOOD RD, THROOP, PA 18512
12	MARSHWOOD ENTERPRISES LLC	1201 MARSHWOOD RD, THROOP, PA 18512
13	THOMSON 1 LLC & THOMSON 2 LLC	400 MILL ST, DUNMORE, PA 18512
14	SL 1026-28 REEVES STREET LLC	195 MORRISTOWN ROAD, BASKING RIDGE, NJ 07920
15	RPC DUNMORE LLC	PO BOX 800729 PARADIGM TAX, DALLAS, TX 75380
16	RAYNOV REALTY LLC	1035 REEVES ST, DUNMORE, PA 18512
17	HABEEB MARY ANN	108 UPLAND TER, CLARKS SUMMIT, PA 18411
18	JOJO OIL COMPANY INC	1031B REEVES ST, DUNMORE, PA 18512
19	JOJO OIL COMPANY INC	1031B REEVES ST, DUNMORE, PA 18512
20	REEVES ST INVESTMENT GROUP LLC	1000 REEVES ST, DUNMORE, PA 18512
21	PERRY JOHN S & DAVID A	1000 REEVES ST, DUNMORE, PA 18512
22	BOROUGH OF DUNMORE	400 S BLAKELY ST, DUNMORE, PA 18512
23	F&L REALTY	400 MILL ST, DUNMORE, PA 18512
24	D&L REALTY CO	400 MILL ST, DUNMORE, PA 18512
25	D&L REALTY CO	400 MILL ST, DUNMORE, PA 18512
26	D&L REALTY CO	400 MILL ST, DUNMORE, PA 18512
27	1000 DUNHAM DRIVE LLC	1000 DUNHAM DR, DUNMORE, PA 18512
28	PAWC	PO BOX 2738 % TAX DEPT, CAMDEN, NJ 08101
29	KLENOVA CORP	1200 DUNHAM DRIVE, DUNMORE, PA 18512
30	W W NORTON & COMPANY INC	500 5TH AVE ATT: STEPHEN KING, NEW YORK, NY 10110





REVISIONS		DATE	
DESIGNED	R.J.F.	DRAWN	R.J.F.
CHECKED	R.J.F.	SCALE	1" = 400'
JOB NO.	10/29/2019	DATE	

CONSULTING ENGINEERS  
1000 DUNHAM DRIVE, SUITE B  
DUNMORE, PA 18812  
WWW.LABELLAPC.COM

**LABELLA**  
Associates

**KEYSTONE SANITARY LANDFILL  
CONTIGUOUS LANDOWNER MAP**  
DUNMORE BOROUGH, THROOP  
BOROUGH PENNSYLVANIA

SHEET NO.

The owner, 2/2019 Project's 20190204, Keystone Sanitary Landfill, Phase 1, Major Modification/Contiguous Landowners, Notices, 2/2019, 2/2019-2/2019, 2/2019



*Keystone Sanitary Landfill, Inc.  
Major Permit Modification  
Leachate Management Plan  
December 2019*

**FORM B**

**PROFESSIONAL CERTIFICATION**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised  
December 2019

DEP USE ONLY

Date Received

## FORM B PROFESSIONAL CERTIFICATION

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form B, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: Section 271.122, 287.122

### SECTION A. SITE IDENTIFIER

Applicant/permittee: Keystone Sanitary Landfill, Inc.

Site Name: Keystone Sanitary Landfill

Facility ID (as issued by DEP): 101247

### SECTION B. REGISTERED PROFESSIONAL ENGINEER

I, Thomas G. Pullar, P.E.

(Engineer's Name -- Print or Type)

being a Registered Professional Engineer in accordance with the Pennsylvania Professional Engineer's Registration Law, do hereby certify to the best of my knowledge, information, and belief that the information contained in the accompanying application, plans, specifications, and reports has been prepared in accordance with accepted practice of engineering, are true and correct, and are in accordance with the Rules and Regulations of the Department of Environmental Protection. I also certify that those individuals indicated in the following paragraphs prepared this application under my supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

*Thomas G. Pullar*

Date

12/11/2019

License Number PE-033923-E

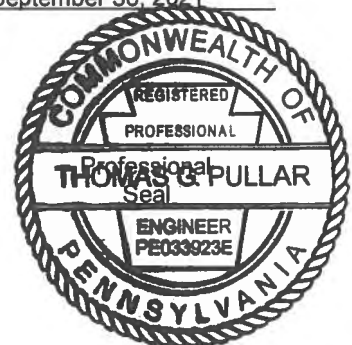
Expiration Date September 30, 2021

Address Earthres Group, Inc.

6912 Old Eason Road

Pipersville, PA 18947

Telephone No. ( 215 ) 7661211



**SECTION C. SOIL SCIENTIST PROVIDING SOILS INFORMATION**

I, N/A \_\_\_\_\_ do hereby certify  
 (Soil Scientists Name – Print or Type)

to the best of my knowledge, information, and belief that the soils information contained in this application has been prepared in accordance with accepted practices of soil science and in accordance with the Rules and Regulations of the Department of Environmental Protection. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Telephone No. ( ) \_\_\_\_\_

**SECTION D. REGISTERED PROFESSIONAL GEOLOGIST**

I, N/A \_\_\_\_\_ being a  
 (Hydrogeologist's Name – Print or Type)

Registered Professional Geologist in accordance with the Pennsylvania Professional Geologists Registration Law, do hereby certify to the best of my knowledge, information, and belief that the hydrogeology information contained in this application has been prepared in accordance with the accepted practices of hydrogeology and in accordance with the Rules and Regulations of the Department of Environmental Protection. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature \_\_\_\_\_ Date \_\_\_\_\_

License Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Professional  
Seal

Telephone No. ( ) \_\_\_\_\_

**FORM B1**

**APPLICATION FORM CERTIFICATION**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised  
December 2019

DEP USE ONLY

Date Received

## FORM B1 APPLICATION FORM CERTIFICATION

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form B1, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

### SECTION A. SITE IDENTIFIER

Applicant/permittee: Keystone Sanitary Landfill, Inc.

Site Name: Keystone Sanitary Landfill

Facility ID (as issued by DEP): 101247

### SECTION B. CERTIFICATION

#### Professional Engineer

I, Thomas G. Pullar P.E.

(Engineer's Name -Print or Type)

being a Registered Professional Engineer in accordance with the Pennsylvania Professional Engineer's Registration Law, do hereby certify that the forms used in the accompanying application have been reproduced under my supervision and have the same exact content and the same format as the forms prepared by the Department. I am aware that there are significant penalties for altering the content of the Department's forms, including the possibility of fines and imprisonment.

Signature Thomas G. Pullar

Date 12/16/2019

License Number PE-033923-E

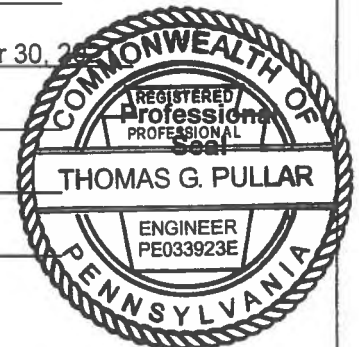
Expiration Date September 30, 2020

Address Earthres Group, Inc.

6912 Old Easton Road

Pipersville, PA 18947

Telephone No. ( 215 ) 766-1245



---

# SECTION 3

**SECTION 3.0**

**FORM 3 - MAP REQUIRMENTS**



Date Prepared/Revised  
December 2019

DEP USE ONLY

Date Received

## FORM 3 MAP REQUIREMENTS - PHASE II MUNICIPAL WASTE AND CONSTRUCTION/DEMOLITION WASTE LANDFILLS

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 3, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: Sections 273.133/277.133

**Instructions:** Provide the following maps in the scales and contours indicated. Before each item listed below, identify the specific map or plan where the information requested can be found.

Scale: 1 inch equals no more than 200 feet with 10 foot maximum contour intervals.

Drawings shall meet the following requirements or contain:

- a. The maximum drawing size of 30" X 36".
- b. The north arrow designated as magnetic or true.
- c. Grid system tied to north arrow and on-site survey monuments.
- d. A legend of symbols.
- e. Horizontal and vertical scale.
- f. A title block which identifies the applicant, municipalities, consultant and dates of all information.
- g. Seal and signature of PA registered Professional Engineer on cover sheet of drawings and seal on all subsequent drawings in the set.

### SECTION A. SITE IDENTIFIER

Applicant/permittee: Keystone Sanitary Landfill, Inc.

Site Name: Keystone Sanitary Landfill

Facility ID (as issued by DEP): 101247

### SECTION B. TOPOGRAPHIC MAP

Topographic map of proposed permit and adjacent areas showing the following: **See Attached Narrative**

1. Boundaries of lands proposed to be affected over the estimated total life of proposed operation and the sequence of landfilling and closure.
2. A change in a component of facility or feature within proposed permit area caused by proposed operation.
3. Buildings, utility corridors and facilities which will be used in operation.
4. The areas of land for which bond will be posted under Chapter 271, Subchapter D.
5. Solid waste storage, processing or unloading areas.
6. Water diversion, collection conveyance, erosion and sedimentation control, treatment, storage and discharge facilities.
7. Location and elevation of permanent physical markers for grid coordinate system.
8. Gas management, collection, and control facilities.
9. Boundaries of construction activities.
10. Barriers, fences and similar structures required by 273.212/277.212.
11. Sedimentation pond, permanent water impoundment, or similar facility.
12. Access roads to site, including slopes, grades and lengths of roads.
13. Monitoring wells.
14. Area for isolating detected radioactive waste.
15. Location of radioactive monitoring equipment.
16. Location of meteorological equipment.



### SECTION C. GRID SYSTEMS

Grid coordinate system for proposed permit area. Horizontal control system shall consist of a grid not to exceed 200 feet square sections. A permanent benchmark for horizontal and vertical control shall be shown. Grid system shall be tied to benchmark and baseline. (Two monuments should be placed on the grid to allow an instrument to be set up for horizontal and vertical control.) A minimum of two permanent monuments should be provided with coordinates, elevations, and construction details identified.

**See Attached Narrative**

### SECTION D. PLANS, DESIGNS, CROSS-SECTIONS AND MAPS

Design Items to be included: **See Attached Narrative**

- a. Compaction of solid waste, thickness of lift.
- b. Application of daily cover material, intermediate, final cover.
- c. Elevation and grade of final cover.
- d. Management of surface water in accordance with Chapter 102.
- e. Erosion control in accordance with Chapter 102.
- f. Schedule of filling.
- g. Site preparations.
- h. Monitoring devices.
- i. Location and limits of areas previously filled, if applicable.
- j. Cross sections indicating the interface details between areas previously filled and areas to be filled, where applicable.
- k. Limits of construction defined by grid controls.
- l. Borrow areas on-site defined by grid controls/or off site.
- m. Location of underground and surface mines on-site. (Indicate extent of mining activity)
- n. Cross sections shown on the plans shall be referenced to the grid system for horizontal location and permanent benchmark, whenever applicable.
- o. Grades required for proper drainage of lifts.
- p. The design plans shall include a cross section of the access roads and all weather roads (with associated drainage system) identifying construction materials, slopes, grades, and distances.
- q. Cross sections, grades and/or profiles of diversion ditches, capacities and calculations for ditch volume.
- r. A construction schedule shall be submitted by the applicant to the Department in a format established by the Department.
- s. Gas Management - location of vents, flares, collection lines, recovery systems, design of system components.
- t. Layout of leachate collection and detection pipes.
- u. Liner system cross-section.
- v. Temporary erosion and sedimentation controls.
- w. Soil storage area locations.
- x. Location of collection and treatment facilities.
- y. Cross section of treatment lagoons and proposed collection facilities.
- z. Location of discharge points of treated leachate (requires industrial waste permit).
- aa. Cross sections of phases or cells.
- bb. Typical cross section showing components of landfill design.
- cc. Location of scales for weighing.
- dd. Area for isolating detected radioactive waste.
- ee. Location of radioactive monitoring equipment.
- ff. Location of meteorological equipment.

## FORM 3 – MAP REQUIREMENTS

### NARRATIVE

The following narrative lists requirements from each section of the DEP Form 3 (Map Requirements) and references the drawing(s) on which that information is provided. The proposed changes relate to the leachate treatment facilities to be used prior to stream discharge or beneficial use at the Keystone Sanitary Landfill facility (Figures 1 and 2).

#### Section B. Topographic Map

1. *Boundaries of lands proposed to be affected over the estimated total life of proposed operation and sequence of landfilling and closure.*

Refer to Figure 3 for boundaries of land affected. The only disturbed land will be the trench for the proposed force main to the proposed outfall. All construction will occur within the existing leachate treatment plant. An existing force main will be used to convey treated effluent to a storage tank for subsequent beneficial use.

2. *A change in a component of facility or feature within proposed permit area caused by proposed operation.*

No landfill components will be changed within the existing permit area. The changes will take place within the existing treatment building, and an existing onsite water tank will be repurposed to store effluent. Figure 3 identifies the location of the existing treatment building.

3. *Buildings, utility corridors and facilities which will be used in operation.*

There are no additional buildings proposed in the major permit modification. All reverse osmosis (RO) equipment is installed inside an existing building.

4. *The areas of land for which bond will be posted under Chapter 271, Subchapter D.*

The area of land for which bond will be posted will not be altered by the work proposed in the major permit modification.

5. *Solid waste storage, processing or unloading areas.*

Solid waste storage, processing, and unloading areas will remain the same as the previously approved solid waste permit.

6. *Water diversion, collection conveyance, erosion and sedimentation control, treatment, storage and discharge facilities.*

Figure 2 provides the process flow diagram for the equipment upgrades. No changes are proposed to the leachate storage facilities. All treatment equipment is located inside the existing building, and an existing water tank will be repurposed to store effluent.

7. *Location and elevation of permanent physical markers for grid coordinate system.*

Location and elevation of permanent physical markers for the grid coordinate system will not change with this application.

8. *Gas management, collection, and control facilities.*

Gas management, collection, and control facilities will not change from the previously approved solid waste permit.

9. *Boundaries of construction activities.*

Refer to Figure 3 for the boundaries of construction activities in the major permit modification. As stated, all RO equipment is located inside the existing treatment plant building. The only earth disturbance will be construction of the force main from the treatment plant to the proposed outfalls.

10. *Barriers, fences and similar structures required by Chapter 273.212/277.212.*

Fences and barriers will not change from the previously approved solid waste permit.

11. *Sedimentation pond, permanent water impoundment, or similar facility.*

There will be no changes to these facilities from the previously approved solid waste permit.

12. *Access roads to site, including slopes, grades and lengths of roads.*

No changes are proposed.

13. *Monitoring wells.*

No changes are proposed.

14. *Area for isolating detected radioactive waste.*

No changes are proposed.

15. *Location of radioactive monitoring equipment.*

No changes are proposed.

16. *Location of meteorological equipment.*

No changes are proposed.

**Section C. Grid Systems**

*Grid coordinate system for proposed permit area is shown on all maps.*

The monument locations will not change as a result of this major permit modification to the previously approved solid waste permit.

**Section D. Plans, Designs, Cross-sections and Maps**

a. *Compaction of solid waste, thickness of lift.*

The major modification relates only to the leachate management plan for leachate treatment and effluent discharge. There are no proposed changes to the previously approved compaction methods. RO concentrate from the treatment plant is applied to the working face and aids in waste compaction.

b. *Application of daily cover material, intermediate, final cover.*

The major modification relates only to the leachate management plan, specifically the stream discharge and use of treated effluent. There are no proposed changes to the previously approved methods for applying cover material.

c. *Elevation and grade of final cover.*

The major modification relates only to the leachate management plan for leachate treatment and effluent discharge. There are no proposed changes to the previously approved elevations and grade of final cover.

d. *Management of surface water in accordance with Chapter 102.*

No changes proposed.

e. *Erosion control in accordance with Chapter 102.*

The major modification relates only to the leachate management plan for leachate treatment and effluent discharge. There are no proposed changes to the previously approved erosion control methods.

f. *Schedule of filling.*

The major modification relates only to the leachate management plan for leachate treatment and effluent discharge. There are no proposed changes to the previously approved schedule of filling.

g. *Site preparations.*

No changes proposed.

h. *Monitoring devices.*

No changes proposed.

i. *Location and limits of areas previously filled, if applicable.*

No changes proposed.

j. *Cross sections indicating the interface details between areas previously filled and areas to be filled, where applicable.*

Not applicable.

k. *Limits of construction defined by grid controls.*

Refer to Figure 3 for the limits of proposed disturbance for effluent discharge force main construction.



- l. Borrow areas on-site defined by grid controls/or off-site.*

No changes proposed.

- m. Location of underground and surface mines on-site. (Indicate extent of mining activity).*

No changes proposed.

- n. Cross sections shown on the plans shall be referenced to the grid system for horizontal location and permanent benchmark, whenever applicable.*

Not applicable.

- o. Grades required for proper drainage of lifts.*

No changes proposed.

- p. The design plans shall include a cross section of the access roads and all weather roads (with associated drainage system) identifying construction materials, slopes, grades, and distances.*

No changes proposed.

- q. Cross sections, grades and/or profiles of diversion ditches, capacities and calculations for ditch volume.*

No changes proposed.

- r. A construction schedule shall be submitted by the applicant to the Department in a format established by the Department.*

A construction schedule will be provided if needed.

- s. Gas Management - location of vents, flares, collection lines, recovery systems, design of system components.*

No changes proposed.

- t. Layout of leachate collection and detection pipes.*

The major modification relates only to the leachate management plan for leachate treatment and effluent discharge. There are no proposed changes to the site's approved leachate collection and detection system.



u. *Liner system cross-section.*

No changes proposed.

v. *Temporary erosion and sedimentation controls.*

No changes proposed.

w. *Soil storage area locations.*

No changes proposed.

x. *Location of collection and treatment facilities.*

The proposed leachate treatment facility is shown schematically in Figure 2 and on the site plan on Figure 3. All leachate equipment is located inside the existing treatment plant building.

y. *Cross section of treatment lagoons and proposed collection facilities.*

No changes proposed.

z. *Location of discharge points of treated leachate (requires industrial waste permit).*

The location of the proposed treated effluent discharge point, are shown on Figure 3 (Outfall 001 and Outfall 002). The Part I – NPDES and Part II – WQM Permit Applications will be submitted under separate cover.

aa. *Cross sections of phases or cells.*

No changes proposed.

bb. *Typical cross section showing components of landfill design.*

No changes proposed.

cc. *Location of scales for weighing.*

No changes proposed.

dd. *Area for isolating radioactive waste.*

No changes proposed.

ee. *Location of radioactive monitoring equipment.*

No changes proposed.

ff. *Location of meteorological equipment.*

No changes proposed.



# SECTION 4

**SECTION 4.0**

**FORM 14 – OPERATION PLAN**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised  
December 2019

DEP USE ONLY

Date Received

## FORM 14

### OPERATION PLAN - PHASE II

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 14, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets should match the "date prepared/revised" on this page.

General References: Chapters 273 and 277

#### SECTION A. SITE IDENTIFIER

Applicant/permittee: Keystone Sanitary Landfill, Inc.

Site Name: Keystone Sanitary Landfill

Facility ID (as issued by DEP): 101247

#### SECTION B. TYPE OF FACILITY

☒ Municipal Waste Landfill ☐ Construction/Demolition Waste Landfill

#### SECTION C. GENERAL OPERATING DESCRIPTION

Based on the required maps and grids for a facility of this type, describe the: **See Attached Narrative**

1. Proposed landfill method and procedures that are to be established and followed for the life of the proposed site. Include daily procedures, inspection and monitoring of incoming waste, and daily closing procedures.
2. Sequence of landfilling activity, including the proposed filling schedule.
3. Type of landfill activity to be conducted at the proposed site.
- Proposed engineering techniques.

#### SECTION D. SPECIFIC FEATURES

Describe the method and schedule for construction, operation, modification, use, maintenance and removal of the following unless their retention is proposed for postclosure land use: **See Attached Narrative**

1. Dams, embankments, ditches and other impoundments that are to be located on the proposed site, and adjacent total property owned by the applicant.
2. Borrow pits, soil storage and handling areas and structures that are to be located on the proposed site, total property or adequate properties off-site,
3. Scales and weigh stations, if required for municipal waste landfills.
4. Water and air pollution control facilities that are in any way related to the proposed facility.
5. Erosion control facilities to minimize the discharge of sediment from the proposed permitted site, total property, or associated properties off-site.
6. Equipment storage, maintenance, and other buildings.
7. Access roads that are to be located on the proposed permitted site, total property or associated properties off-site.

#### SECTION E. PERSONNEL TRAINING

Describe training procedures to be conducted for the handling and disposal of special handling waste. **See Attached Narrative**

**SECTION F. CONSTRUCTION SCHEDULE**

Describe the construction schedule in relation to the grid coordinate system for signs and markers. For a municipal waste landfill, also describe the sequence of operation relating to the grid coordinate system. Explain where uniform permanent physical markers will be placed, how these physical markers will be maintained and of what materials the markers will be constructed. Further, explain how the proposed disposal area perimeter will be distinguished from the perimeter of the total property. What will be written on the required sign, what will it be constructed of, and where will it be located?

**No change proposed.**

**SECTION G. SITE PREPARATION**

Describe the site preparation plan/schedule for disposal of solid waste at the proposed facility. Include the following: **No change proposed.**

1. Identify the maximum and average daily weight or volume of waste to be accepted at the proposed site, and a detailed justification of these volumes.
2. For a municipal waste landfill, describe the method of compliance relating to measurement of waste. If 30,000 or more cubic yards of solid waste is expected to be accepted in a calendar year by this proposed facility for disposal, it must be weighed. The operator of this scale must be a licensed public weighmaster. Explain how the scale will be inspected and maintained to assure accuracy. If the proposed facility is not required to have a scale, explain how the waste will be accurately measured when it is received at the proposed facility.
3. For a demolition/construction waste landfill, describe the method of compliance relating to measurement of waste. Explain how this waste type will be accurately measured by weight or volume prior to unloading.

**SECTION H. WATER QUALITY PROTECTION**

Describe a plan that is consistent with basic limitations relating to operating requirements. **See Attached Narrative**

1. Has written approval been given by this Department for background groundwater monitoring? ☐ Yes ☐ No  
If yes, what date \_\_\_\_\_  
If not, explain.
2. Has background groundwater monitoring begun? ☐ Yes ☐ No  
If no, what is the expected date \_\_\_\_\_  
If yes, when \_\_\_\_\_
3. How will the operator prevent unapproved special handling wastes and/or residual wastes from being accepted and disposed of at the site? How will the operator handle and dispose of approved special handling waste(s), and what specific measures will be taken to prevent exposure to landfill personnel, haulers and others? Explain.
4. How will the operator prevent hazardous and explosive wastes, and liquids from being accepted and disposed of at the site?
5. Is leachate recirculation planned? ☐ Yes ☐ No  
If yes, explain.  
What is ultimate disposition of leachate?

**SECTION I. OPERATING HOURS**

Provide the proposed operating hours of the facility. **No change proposed.**

**SECTION J. ACCESS PLAN**

Describe the Access Road Plan, including designs, cross sections and specifications. Indicate design load limits, and identify maximum anticipated loading to be encountered. **No change proposed**

1. Explain how the access roads and parking and maneuvering areas will be designed, constructed and maintained to prevent erosion and sediment to streams or runoff.
2. Will streams or waterways be crossed? ☐ Yes ☐ No  
If yes, explain how the requirements of Chapter 105 will be met.  
Has an application been filed for a Chapter 105 permit? ☐ Yes ☐ No
3. Describe the drainage system for temporary and permanent roads and parking and maneuvering areas to be located at the proposed facility.
4. Describe the materials to be used on permanent or temporary roads and parking and maneuvering areas at the proposed facility:
  - ☐ paved asphalt
  - ☐ gravel
  - ☐ cinders
  - ☐ other equivalent material - explain:
 Will the grade of any access road be greater than 12% ☐ Yes ☐ No  
If yes, explain.
5. Describe the locations, widths and methods of maintenance for all access roads to be located on the proposed permitted facility, and on the entire property.

**SECTION K. ACCESS CONTROL PLAN**

Describe the Access Control Plan, including: **No change proposed.**

1. Use and locations of fencing and barriers to control access. Include heights, dimensions and construction materials. Fences are required around impoundments, leachate collection and treatment systems and gas processing facilities, if these facilities have not been included within the site fence.
2. Site security provisions.
3. Describe the facility sign that will be placed at the junction of each access road and public road.

**SECTION L. NUISANCE MINIMIZATION AND CONTROL PLAN**

Describe the Nuisance Control Plan, and include details regarding the methods by which the operator will perform regular, frequent and comprehensive inspections to evaluate the effectiveness of the plan for Vectors, Odors, Noise, Dust, Litter, and Other Public Nuisances. The plan needs to include the following items: **See Attached Narrative**

1. An inventory and map of areas at the facility that has the potential to cause nuisances
  - Dominate wind direction
  - Hauling, truck staging, and radiation staging areas
  - Leachate and gas management components
  - Disposal areas, intermediate covered areas, anchor trenches, and trash relocation activities
  - Landfill cell construction, fill and capping sequences
  - Landfill siting and position to nearby residences

## 2. Description of nuisance related monitoring or response activities

- Organization flow chart with each person's duties and responsibilities with regard to this plan
- Notification list for the facility and respective agencies
- A description of how the facility will be operated to eliminate off-site nuisances
  - a. Monitoring frequency and locations
  - b. Inspections for odorous loads
  - c. Monitoring and inspections of the landfill's gas/odors controls
  - d. Dust suppression
- A description of internal and external communication and alarms

## 3. Describe the facilities meteorological monitoring program

- Meteorological weather station location
- Data to be collected
- Activities limited by the weather and the facilities threshold

## 4. Detailed plan for preventative maintenance and nuisance controls

- Description and location of portable/temporary odor controls
- Preventative nuisance measures used during the facilities construction
- Description of the nuisance suppression program and the location of any fixed odor controls
- Procedures for handling nuisance prone waste
- Dust minimization plan
- Employee and contractor training
- Inspection frequency for odor management equipment
- Emergency equipment

## 5. Provide specific countermeasures that will be undertaken by the facility in the event of a nuisance for:

- Dust suppression from hauling, waste placement, or processing activities
- Odors
- Vectors
- Landfill gas detection
- Litter
- Litter during windy conditions

## 6. Provide any additional information as requested by the Department, Host Municipality, or Host County.

**SECTION M. LITTER CONTROL PLAN**

Describe the Litter Control Plan, and explain how the operator will prevent litter from blowing or becoming deposited off-site, including: **No change proposed.**

1. The types, locations and maintenance procedures for litter fences to be used at the proposed facility.
2. The frequency of litter pick up and disposal.

**SECTION N. SALVAGING**

Explain if salvaging will occur on-site during hours of operation and non-operation. If yes, describe the methods of control over salvaging, and how salvaging will occur without interfering in the operation of the landfill. Further, describe the methods for on site movement and storage of salvaged materials, as well as off-site storage and transportation of salvaged materials. **No change proposed.**

**SECTION O. AIR QUALITY CONTROL**

Describe the methods to control dust, and minimize and control air pollution at the proposed facility from exceeding any ambient air quality standards. **See Attached Narrative**

**SECTION P. WASTE PLACEMENT**

1. Initial procedures for placement of waste on the liner system. **See Attached Narrative**
2. An explanation of the location(s) of unloading area(s) at the proposed facility, and methods by which loaded collection vehicles will be directed to unload promptly at these areas. Waste cannot be unloaded where continuous or intermittent contact would occur with the groundwater table.
3. Procedures for and the degree of compaction of solid waste. Describe the number and thickness of lifts, and explain how solid waste will be spread and compacted in layers.
4. Describe how the working face will be managed, and:
  - (i) compacted and covered on a daily basis for municipal waste landfills, and;
  - (ii) kept to a size which can easily be compacted for Construction/Demolition waste landfills;
  - (iii) how water that contacts the working face will be contained, and not combined, with surface water runoff.

**SECTION Q. DAILY COVER**

For a municipal waste landfill, describe the frequency of placement, composition, design requirements, storage duration and location(s), maintenance(including revegetation and erosion/sedimentation controls),and thickness of approved daily cover to be placed on exposed solid waste at the proposed site. Include a quality assurance plan. **No change proposed.**

**SECTION R. INTERMEDIATE COVER**

Describe the frequency of placement, composition, design requirements, storage duration and location(s), maintenance, and thickness of approved intermediate cover to be placed on partial or completed lifts at the proposed site. Explain how slopes, not to exceed 50%, will be maintained, covered, compacted, and revegetated to control erosion and sedimentation. Include a quality assurance plan and identify procedures to establish intermediate elevations. **No change proposed.**

**SECTION S. FINAL COVER SCHEDULE**

Describe the time period that approved final cover will be placed on the proposed site, the methods by which final cover will be placed, and composition and design requirements, including: **No change proposed.**

1. A cap (comprised of a uniform and compacted one (1) foot layer of clay or synthetic type material, if approved).
2. A drainage layer to prevent erosion and transmit flow of surface water.
3. A uniform and compacted layer of soil at least two (2) feet in thickness.

**SECTION T. FINAL COVER CHARACTERIZATION**

Describe the characteristics of final cover, including: ***No change proposed.***

1. physical properties of final cover,
2. capability of controlling fires,
3. load bearing capacity,
4. capability of supporting vegetation,
5. prevention of nuisances,
6. Include a quality assurance plan, and identify procedures to establish final elevation.

**SECTION U. FINAL CONFIGURATION**

Describe the grade of the final slopes of the proposed facility, detailing design, installation, maintenance, slope stability, erosion control, compaction, seeding, revegetation, percolation rates, and surface runoff. ***No change proposed.***

What will the maximum grade of the final surface be? \_\_\_\_\_

What will the average grade of the final surface be? \_\_\_\_\_

Are terraces to be used on the final surface? ☐ Yes ☐ No

If yes, describe design, construction, grades and maintenance of the terraces.

Describe the drainage ditches that will be constructed in each horizontal terrace to convey flow of surface water.



**FORM 14 – OPERATION PLAN**  
**NARRATIVE**

The following Form 14 responses relate to the leachate management plan for the site. No responses are provided for aspects of the landfill operational plan that do not change as part of this application.

**C. General Operating Description**

General operating procedures of the landfill itself, including daily procedures, inspection and monitoring of incoming waste, daily closure procedures, sequence of landfilling activities, fill schedule, and the type of landfill activity conducted on-site are all unaffected by the proposed major permit modification and will continue as presently approved under the existing solid waste permit.

Leachate management is addressed by the proposed permit modification. Currently, leachate is pretreated on site and conveyed to the Pennsylvania American Water Company (PAWC) Scranton wastewater treatment plant for disposal. This major permit modification is being submitted in response to a change in leachate management at the facility. Keystone Sanitary Landfill (KSL) has installed a reverse osmosis (RO) treatment system supplied by Rochem Americas (Rochem) to treat leachate prior to discharge. Similar RO equipment has been successfully demonstrated at Commonwealth Environmental Systems Landfill. Phase I consists of an RO system with a design average capacity of 90,000 gallons per day (gpd) (100,000 gpd maximum), and Phase II consists of additional RO equipment with a design average capacity of 90,000 gpd (100,000 gpd maximum). The total capacity for both phases will be 180,000 gpd (200,000 gpd maximum).

These modifications were permitted under Pennsylvania Department of Environmental Protection (PA DEP) Bureau of Solid Waste Minor Permit Modification No. 101247-A183, dated September 4, 2018. Phase I was completed in January 2019, and the effluent discharges

to the PAWC wastewater treatment plant. A Certification of Facility Construction for the Phase I modification (Form 37) was approved by PA DEP on April 16, 2019.

**D. Specific Features – Method and Schedules for Construction and Operation of Site Facilities**

**D.4. Water and Air Pollution Control Facilities**

The existing leachate control facilities at the site include the following: the liner; the leachate collection and conveyance system; two (2) lined leachate lagoons; the treatment plant; and the effluent force main to the PAWC Scranton wastewater treatment plant. No changes are proposed to the current method of storage. The only changes proposed relate to leachate treatment and effluent disposal.

Leachate generated by the landfill is conveyed to two lined leachate lagoons located near the leachate treatment plant building. Previous treatment included physical/chemical and biological processes designed to treat up to 150,000 gpd, and the treated effluent is discharged to the PAWC Scranton wastewater treatment plant.

KSL has installed an RO treatment system supplied by Rochem to treat leachate prior to discharge. Similar RO equipment has been successfully demonstrated at Commonwealth Environmental Systems Landfill. Phase I consists of an RO system with a design average capacity of 90,000 gallons per day (100,000 gpd maximum), and Phase II consists of additional RO equipment with a design average capacity of 90,000 gpd (100,000 gpd maximum). The total capacity for both phases will be 180,000 gpd (200,000 gpd maximum).

These modifications were permitted under PA DEP Bureau of Solid Waste Minor Permit Modification No. 101247-A183, dated September 4, 2018. Phase I was completed in January 2019 and the effluent discharges to the PAWC Scranton wastewater treatment plant. A Certification of Facility Construction for the Phase I modification (Form 37) was approved by PA DEP on April 16, 2019.

Under this major permit modification, it is proposed that RO effluent will be managed using the following options:

- Discharge to the PAWC Scranton wastewater treatment plant, consistent with the existing agreement;
- Discharge to Eddy Creek or Little Roaring Brook; and/or
- Beneficial use onsite for dust control and utility water.

KSL will submit the following applications to PA DEP for this project:

- A Part I – NPDES permit application for approval to discharge treated effluent to Eddy Creek and Little Roaring Brook;
- A Part II-WQM permit application for construction of the leachate treatment facilities prior to stream discharge or onsite beneficial use of the treated effluent;
- A Major Modification to Solid Waste Disposal Permit No. 101247 describing the revised leachate management plan associated with the stream discharge or use of treated effluent; and
- A Request for Determination was submitted for air emissions from the treatment plant on June 5, 2018. The Air Quality Program agreed that a permit is not required for emissions from the proposed plant.

#### *D.5. Erosion Control Facilities*

The only earth disturbances will be construction of the force main from the treatment plant to the proposed outfalls which is covered under the landfill's Erosion and Sediment Control Plan.

**D.6. Equipment Storage, Maintenance, and Other Buildings**

No new buildings are proposed as part of the work associated with the major permit modification. The leachate treatment facilities are located inside the existing treatment plant building. The previously approved post-closure plan for existing buildings remains unchanged.

**D.7. Access Roads**

The work associated with the major permit modification does not include any new access roads or modifications to existing access roads, nor does it alter the previously approved post-closure plans for these facilities.

**E. Personnel Training**

Site personnel will be trained to operate the new treatment equipment by Rochem.

**H. Water Quality Protection**

**H.5. Leachate Recirculation**

Leachate recirculation is not proposed at KSL. RO concentrate, the material rejected from the reverse osmosis membranes, is applied to the landfill working face for disposal.

Approximately 10% of the feed flow will be rejected. Therefore, up to 18,000 gpd of reject will be landfilled per the permitted design conditions. Concentrate will be stored in the existing sludge tank, loaded into tank trucks and applied onto the landfilled waste prior to placement of cover soil. The landfilled waste has adequate absorption capacity to accommodate the concentrate before reaching field capacity. Therefore, no adverse impact is anticipated on leachate quantity or quality. If necessary, RO concentrate will be hauled to offsite disposal at approved facilities.

**L. Nuisance Minimization and Control Plan**

The approved nuisance minimization and control plan implemented with the solid waste permit for KSL will still be followed. No changes are required or proposed.

**O. Air Quality Control**

The existing approved measures of controlling air quality will remain in place. Additionally, as previously stated, a separate Part II-WQM application will be submitted to the Department relating to the beneficial use of treated LTP effluent. KSL submitted an RFD to PA DEP in June 2018 to address air emissions from the proposed treatment process. KSL intends to apply treated effluent to site roads for dust control to maintain compliance with the site Title V permit.

**P. Waste Placement**

There are no proposed changes to waste placement procedures from those previously approved, under the facility's solid waste permit. KSL applies RO concentrate from the treatment on the working face of the landfill prior to placement of daily cover. This will aid in solid waste compaction.

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# SECTION 5

**SECTION 5.0**

**FORM 25 – LEACHATE MANAGEMENT PLAN**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised  
December 2019

DEP USE ONLY

Date Received

## FORM 25

### LEACHATE MANAGEMENT - PHASE II

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 25, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets should match the "date prepared/revised" on this page.

General References: 273.162, 273.163, 273.271 to 273.275/277.162, 277.163, 277.271 to 277.275, 285.122, 285.123

#### SECTION A. SITE IDENTIFIER

Applicant/permittee: Keystone Sanitary Landfill, Inc.

Site Name: Keystone Sanitary Landfill

Facility ID (as issued by DEP): 101247

#### SECTION B. BASIC TREATMENT METHODS

- ☒ 1. Discharge to permitted POTW, following pretreatment, if required, by federal, state or local law or by discharge into another permitted treatment facility. **See Attached Narrative**
- ☒ 2. On-site treatment and discharge to stream.
- ☐ 3. Spray irrigation following treatment.
- ☒ 4. Other: Effluent use

For Proposed Site: Will permanent leachate pre-treatment method be in-place before placement of waste? \_\_\_\_\_

#### SECTION C. COMPONENTS OF LEACHATE TREATMENT PLAN

Check and/or Describe

1. Estimate of annual leachate quantity and quality and supporting calculations. See attachment
- ☐ 2. Plans, designs, and cross sections for the proposed collection and handling system. No change
- ☒ 3. Plans, designs, and cross-sections for on-site leachate treatment or disposal systems. See attachment
- ☒ 4. Description of on-site treatment system already in operation, including NPDES number, capability to treat leachate, and compliance status under The Clean Streams Law. See attachment
5. If interim vehicular transportation to an off-site treatment facility is proposed, provide:
  - ☐ a. Copy of signed contractual agreement with operator of off -site facility, or N/A
  - ☐ b. Signed letter of intent from operator of the off-site facility to enter a contractual agreement for leachate treatment. N/A
  - ☐ c. Copy of signed contractual agreement with the operator of a 2nd off-site facility as backup, or N/A
  - ☐ d. Signed letter of intent from operator of the 2nd off-site facility to enter a contractual agreement f or leachate treatment. N/A
  - ☐ e. Additional bond in amount sufficient to pay for the cost of vehicular transportation and off-site leachate treatment until final closure; if off-site treatment is negligent. N/A
  - ☐ f. Submit plans, designs, and cross-sections for an on site pretreatment facility. N/A
6. If recirculation of raw or pretreated leachate is proposed in conjunction with another method, describe:
  - ☒ a. Designs and cross-sections of leachate distribution method. See attachment
  - ☒ b. Methods to prevent leachate seeps and breakouts. See attachment
  - ☒ c. Methods to prevent odors, runoff, and ponding. See attachment
  - ☒ 7. Schedule and method for cleaning sludges from the leachate storage and treatment system, and a plan for disposing of such sludges. See attachment
  - ☒ 8. Method for measuring average flow rate of leachate from landfill to leachate storage/treatment system. See attachment
  - ☒ 9. Identify if leachate pumping occurs. See attachment
  - ☒ 10. Plans and designs for secondary containment of underground pipes used for the transport of leachate from the liner system. See attachment



## SECTION D. ADDITIONAL INFORMATION

## Location in Application

Interim Leachate Transportation

N/A

## Check appropriate items:

- ☐ 1. A permitted and fully operating system for fully pre-treating leachate will be installed before disposal of waste.
- ☒ 2. Direct discharge into a POTW or other permitted treatment facility is attainable within 3 years.
- ☒ 3. Discharge of treated leachate into a receiving stream in a manner consistent with The Clean Stream Law is attainable within 3 years.
- ☐ 4. A leachate recirculation system will be constructed and operated.

## 2. Leachate Recirculation: (Prohibited, except for landfills with composite liners)

See attachment

Describe design of system. Show that there is sufficient municipal waste capacity to absorb leachate and that the area subject to leachate recirculation is underlain by a composite liner. Describe system used to recirculate leachate:

3. Leachate Collection and Storage (for storage impoundments, submit Form 24):  
Design leachate volume (gal./year)

## Tanks or Impoundments:

	#1	#2	#3
1. Volume (gallons)	4,875,000	4,875,000	
2. Dimensions (feet)			
3. Freeboard (feet)			
4. Function (equalization, storage, etc.)	Equalization	Equalization	
5. Aeration Capacity			
6. Detention Time			
7. Secondary containment or liner	Lined	Lined	



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## FORM 25 – LEACHATE MANAGEMENT NARRATIVE

### Section B: Basic Treatment Methods

Leachate generated by the landfill is conveyed to lined leachate lagoons located near the leachate treatment plant building. Previous treatment included physical/chemical and biological processes designed to treat an average of 150,000 gallons per day (gpd). Currently, treated effluent is discharged to the Pennsylvania American Water Company (PAWC) Scranton wastewater treatment plant for disposal.

Keystone Sanitary Landfill (KSL) has installed a reverse osmosis (RO) treatment system supplied by Rochem Americas (Rochem) to treat leachate prior to discharge. Similar RO equipment has been successfully demonstrated at Commonwealth Environmental Systems Landfill. Phase I consists of an RO system with a design average capacity of 90,000 gallons per day (100,000 gpd maximum), and Phase II consists of additional RO equipment with a design average capacity of 90,000 gpd (100,000 gpd maximum). The total capacity for both phases will be 180,000 gpd (200,000 gpd maximum).

These modifications were permitted under PA DEP Bureau of Solid Waste Minor Permit Modification No. 101247-A183, dated September 4, 2018. Phase I was completed in January 2019 and the effluent discharges to the PAWC Scranton wastewater treatment plant. A Certification of Facility Construction for the Phase I modification (Form 37) was approved by PA DEP on April 16, 2019. Phase II will be constructed in the future, following all permitting requirements.

The RO equipment replaces the former MetPro reactors in the original leachate treatment building. The RO equipment provides tertiary polishing treatment for the moving bed biological reactor (MBBR) effluent with proper pretreatment. The Rochem treatment system is a

demonstrated process that produces high quality effluent which provides the following options for effluent management:

- Discharge to the PAWC Scranton wastewater treatment plant consistent with the existing agreement;
- Discharge to Eddy Creek and Little Roaring Brook; and/or
- Beneficial use onsite for dust control and utility water.

KSL will submit the following applications to PA DEP for this project:

- NPDES permit application to PA DEP for the proposed stream discharge to Eddy Creek and Little Roaring Brook;
- Part II – Water Quality Management (WQM) permit application for installation of the Rochem tertiary treatment process;
- Part II – WQM permit application for the beneficial use of treated effluent at the site (to be included with the Part II WQM permit application).
- A Request for Determination for the air emissions from the Rochem process was submitted to PA DEP in June 2018.

Discharge to the PAWC Scranton wastewater treatment plant will continue. Upon receipt of the Part I NPDES and Part II WQM permits, treated effluent will be discharged to Eddy Creek and/or Little Roaring Brook and used onsite for dust control/utility water as needed. Concentrate from the reverse osmosis treatment process is applied to the landfill working face or hauled/conveyed to offsite disposal if needed. There are no proposed changes to the landfill size, capacity or operation contained within this permit modification.

## **Section C: Components of Leachate Treatment Plan**

### **1. Estimate of Annual Leachate Quantity and Leachate Quality**

#### ***C.1 Leachate Quantity and Quality***

The estimate of annual leachate quantity and quality, as well as supporting calculations, was supplied with the application for original approved solid waste permit. The proposed changes to the permit do not affect leachate quantity or quality. The existing leachate treatment plant has a treatment capacity of 150,000 gpd. The proposed RO treatment plant is designed to treat 180,000 gpd to provide capacity that accommodates seasonal variations in flow without the need for additional storage of untreated leachate.

#### ***C.2 Plans, Designs and Cross Sections for the Proposed Leachate Collection and Handling System (KSL)***

There are no changes proposed to the previously approved leachate collection, conveyance and handling system. Effluent will be conveyed via existing force main to an existing site water storage tank for subsequent beneficial reuse.

#### ***C.3 Plans, Designs and Cross Section for On-Site Leachate Treatment or Disposal Systems***

The detailed design of the plant is presented in the Part II – WQM permit application. Figure 2 is a schematic drawing of the conceptual design for the proposed treatment plant modification. The lagoons will remain for storage and pumps will still convey the influent into the treatment plant for treatment using the current MBBR process or the RO process. Typically, MBBR effluent will be discharged to the PAWC Scranton wastewater treatment plant. With proper pretreatment, MBBR effluent may be sent to the proposed RO system for further processing and discharge or reuse.

For RO treatment, leachate is pumped through a filter designed to eliminate particulates from the leachate prior to a two stage RO membrane treatment system. Booster pumps raise the feed pressure to force the clear water through the membranes while rejecting the contaminants. RO effluent will be reaerated and have the pH adjusted to meet the NPDES limits before being discharged or beneficially used onsite.

Effluent will be discharged to the following locations: Eddy Creek and/or Little Roaring Brook; PAWC Scranton wastewater treatment plant; and/or to onsite storage for subsequent beneficial use for dust control or utility water in the onsite buildings. Effluent used for dust control will be pumped from the onsite water tank and loaded into water trucks for application on site roads. Water may be trucked or pumped to the supply tanks on the crushing plant and on the facility tire wash. Effluent quality for stream discharge to Eddy Creek and Little Roaring Brook or use for dust control or utility water will meet NPDES effluent limits. Effluent quality discharged to PAWC will meet applicable pretreatment standards.

Figure 3 shows existing site conditions and the relationship of the landfill to the treatment plant building and proposed outfalls.

#### ***C.4 Description of Existing On-Site Treatment System***

The current approved leachate management plan call for leachate to be pretreated in the site's leachate treatment plant prior to conveyance to the PAWC Scranton wastewater treatment plant for disposal. The proposed modification provides for leachate treatment to meet NPDES limits suitable for discharge to Eddy Creek and Little Roaring Brook, discharge to the PAWC Scranton wastewater treatment plant, and for beneficial use of the treated effluent for dust control or utility water. In order to meet NPDES limits, the proposed leachate treatment plant uses RO equipment design which was implemented successfully at the Commonwealth Environmental Systems Landfill.

KSL currently collects leachate from landfill operations in two lined lagoons, pretreats the leachate in the leachate treatment plant and discharges effluent to the PAWC Scranton wastewater treatment plant. KSL upgraded the original LTP (MetPro) in 2015 with a MBBR plant designed to treat 150,000 gpd and discharge treated effluent to the PAWC Scranton wastewater treatment plant. The existing treatment process is comprised of pH adjustment, mixing, flocculation, clarification, biological treatment (MBBR), and dissolved air flotation prior to conveyance to the wastewater treatment plant. Solids are landfilled on site.

KSL provides advanced treatment equipment inside the original leachate treatment building at the site capable of producing treated effluent for stream discharge or beneficial use onsite. KSL has installed a RO treatment system supplied by Rochem to treat leachate from the storage lagoons. The RO equipment replaces the former MetPro reactors in the original leachate treatment building and supplement the MBBR process.

The RO equipment consists of two phases (Phase I and Phase II), with Phase I consisting of an RO system with a design average capacity of 90,000 gallons per day (100,000 gpd maximum), and Phase II consisting of a second RO system with a design average capacity of 90,000 gpd (100,000 gpd maximum). The total capacity for both phases will be 180,000 gpd (200,000 gpd maximum).

Construction of these modifications are permitted under Minor Permit Modification No. 101247-A183, dated September 4, 2018. Phase I construction was completed in January 2019. A Certification of Facility Construction for this modification (Form 37) was approved by PA DEP on April 16, 2019. Phase I discharges treated effluent to the PAWC Scranton wastewater treatment plant under an existing agreement. Phase II will be constructed in the future.

RO concentrate is applied to the landfill working face or hauled to offsite treatment.

The site currently has two (2) lined leachate lagoons to provide volume for influent storage. The proposed changes will not affect leachate generation rates; therefore, there will be no changes to the existing storage system.

### ***C.5 Interim Vehicular Transportation***

Interim vehicular transportation of leachate is not proposed for long term leachate management. Leachate may be hauled to offsite disposal if required during plant maintenance. RO concentrate may be hauled to offsite disposal if required.

#### ***C.6 Recirculation of Raw and Pretreated Leachate***

Leachate recirculation is not proposed. RO concentrate, the material rejected from the reverse osmosis membranes, is applied to the landfill working face for disposal. Based on comparable facilities, approximately 10% of the feed flow (18,000 gpd) will be rejected, stored in tanks at the treatment plant and applied by tanker onto the landfilled waste prior to placement of cover soil.

#### ***C.7 Sludge Cleaning and Disposing Plans***

Sludge generated by the leachate treatment plant is landfilled. Solids are removed from the lagoons as needed. RO concentrate is applied to the landfill working face for disposal.

#### ***C.8 Method of Measuring Average Flow Rate of Leachate***

There are no proposed changes to the approved method of measuring the flow of leachate from the landfill to the treatment system. Liquid levels in the lagoons are measured daily to determine volume stored and available capacity. Leachate flow into and out of the treatment plant are measured and recorded.

#### ***C.9 Leachate Pumping***

There are no proposed changes to the approved method for conveying leachate from the landfill to the treatment plant. Pumping from the lagoons and through the treatment process is provided. Treated effluent will be pumped from the permeate storage tank via force main to the proposed discharge points or to onsite storage for re-use.

### **Section D - Additional Information**

#### ***D.1 Interim Leachate Transportation***

Interim vehicular transportation of leachate is not proposed for long term leachate management. Leachate may be hauled to offsite disposal if required during plant maintenance. RO concentrate may be hauled to offsite disposal if required.

### ***D.2 Leachate Recirculation***

Leachate recirculation is not proposed. RO concentrate, the material rejected from the reverse osmosis membranes, is applied to the landfill working face for disposal. Concentrate is stored in tanks at the treatment plant and applied by tanker onto the landfilled waste prior to placement of cover soil.

### ***D.3 Leachate Collection and Storage***

There are no proposed changes to the approved leachate collection and storage system. The site will continue to use the lined leachate lagoons for influent storage. RO concentrate is stored at the treatment plant prior to landfilling.



# SECTION 6

**SECTION 6.0**

**INTEGRATED CONTINGENCY PLAN FOR EMERGENCY  
PROCEDURES  
(SUBMITTED UNDER NPDES AND PART II WQM PERMIT  
APPLICATIONS)**

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# SECTION 7

**SECTION 7.0**

**FORM 28 – CLOSURE**



## FORM 28 CLOSURE/POST – CLOSURE LAND USE PLAN

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 28, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: 273.191, 273.192, 273.321, 273.322, 275.503, 277.191, 277.192, 277.321, 277.322

### SECTION A. SITE IDENTIFIER

Applicant/permittee: Keystone Sanitary Landfill, Inc.

Site Name: Keystone Sanitary Landfill

Facility ID (as issued by DEP): 101247

### SECTION B. POST-CLOSURE LAND USE PLAN

Give Location in Application No change from approved plan

Instructions: Narrative shall be submitted which contains a detailed description of the proposed use of the facility following closure, including a discussion of the utility and capacity of the revegetated land to support a variety of alternative uses, and the relationship of the use to existing land use policies and plans. Attach appropriate documentation referencing "Form 28; Closure."

- ☐ 1. How the proposed post closure land use is to be achieved and the necessary support activities which maybe needed to achieve the proposed land use.
- ☐ 2. The consideration which has been given to making the proposed post closure land use consistent with landowner plans and applicable State and local land use plans and programs.

### SECTION C. CLOSURE PLAN

Give Location in Application See narrative

Instructions: Narrative shall be submitted describing the activities that are proposed to occur during the post-closure period. Attach appropriate documentation referencing "Form 28; Closure." The plan shall include:

- ☒ 1. Plan for decontamination and removal of equipment, structures and related materials from the facility.
- ☒ 2. An estimate of the year in which final closure will occur, including an explanation of the basis for the estimate.
- ☒ 3. If the facility will close in stages, a description of how and when the facility will begin and implement partial closure. (Schedule for closure)
- ☒ 4. A description of the steps necessary for closure if the facility closes prematurely.
- ☒ 5. A narrative description, including a schedule, of measures that are proposed to be carried out after closure at the facility, including measures relating to:
  - a. Water quality monitoring.
  - b. Gas control and monitoring,
  - c. Leachate collection, treatment, and pumping.
  - d. Erosion and sedimentation control.
  - e. Revegetation including maintenance of the final cover.
  - f. Access control.
  - g. Other maintenance activities.
- ☒ 6. Description of means by which funds will be made available to cover cost of post closure operations, which shall include an assessment of projected post closure maintenance costs, a description of how the necessary funds will be raised, a description of relevant legal documents, and a description of how the funds will be managed prior to closure.
- ☒ 7. The name, address, telephone number, and email address at which the operator can be reached during the post-closure period.

**FORM 28 – CLOSURE PLAN**  
**NARRATIVE**

The closure plan has been modified to address only the change in the leachate management plan. No other changes to the closure plan are proposed for this application

**1. *Decontamination and Removal of Equipment***

The RO equipment is installed inside the existing leachate treatment building at the site. Treated effluent is discharged to the Pennsylvania American Water Company (PAWC) Scranton wastewater treatment plant, and will be discharged to Eddy Creek and/or Little Roaring Brook under the auspices of the NPDES permit and used for dust control or utility water at the site under the auspices of the Part II-Water Quality Management (WQM) Permit.

The leachate treatment facilities will be operated and maintained following landfill closure to manage leachate generated by the landfill. Therefore, decontamination and removal for leachate equipment is not anticipated.

**2. *Estimated Year of Final Closure***

No changes in the final closure date is anticipated for the change in leachate management plan.

**3. *Staged Closure***

It is not anticipated that the landfill will close in stages. Staged closure of the site will not impact the proposed changes to the leachate management plan.

**4. *Premature Closure***

It is not anticipated that the landfill will close prematurely. Early closure of the site will not impact the proposed changes to the leachate management plan.

## **5. *Post-Closure Activities***

No changes are proposed to the approved post-closure activities for the site. Leachate collection, pumping and treatment will be performed as required throughout the post-closure period using the treatment equipment covered by this application.

## **6. *Closure and Post-Closure Funding***

The additional treatment equipment and requisite chemicals will result in increased operating and maintenance requirements to run the plant in the event of closure.

## **7. *Post-Closure Contact***

Dominick DeNaples  
Site Manager  
Keystone Sanitary Landfill, Inc.  
249 Dunham Drive  
Dunmore, PA 18512  
570-343-5782

---

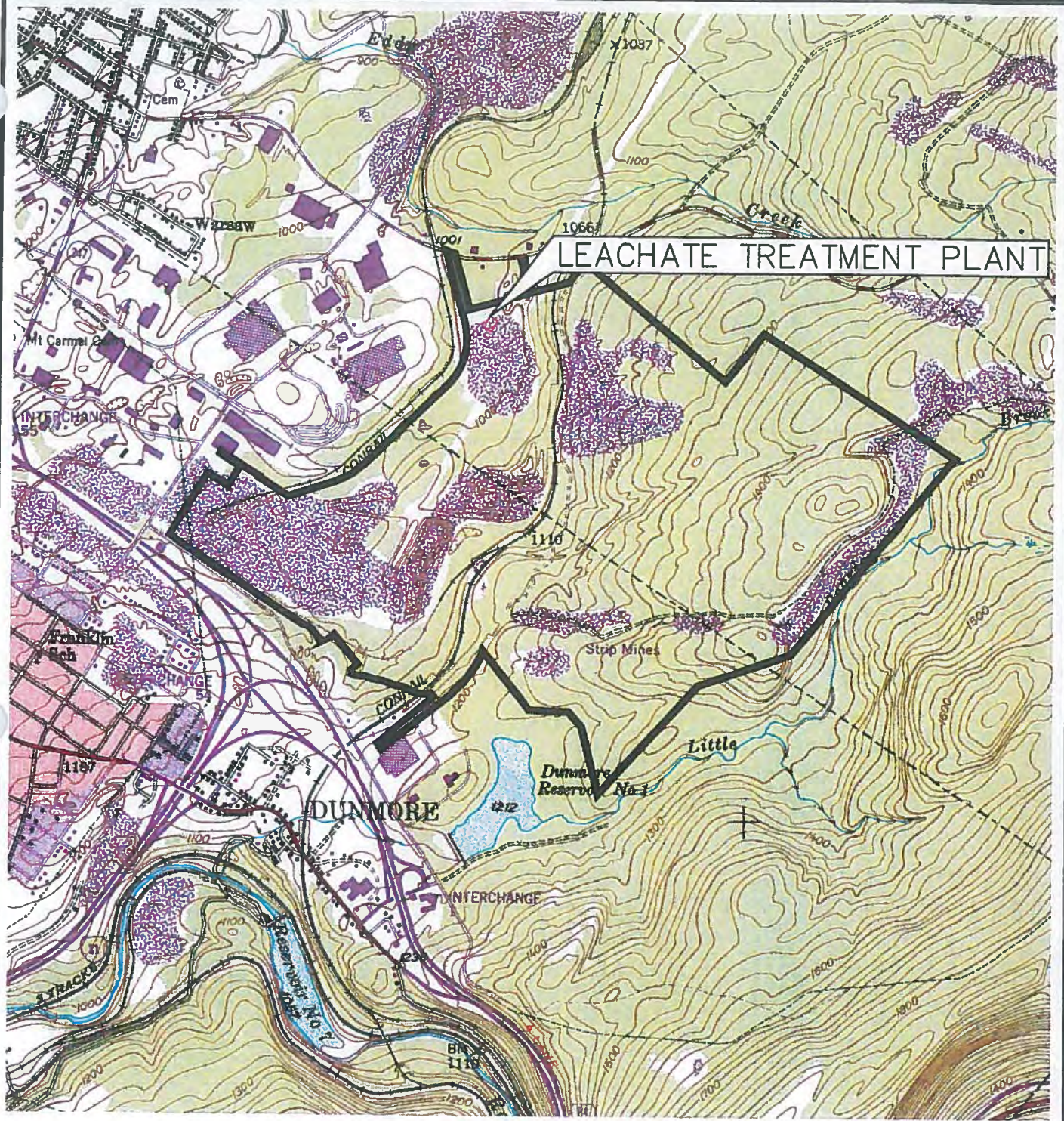
# FIGURES



## **FIGURES**

**FIGURE 1 – SITE LOCATION MAP**  
**FIGURE 2 – PROPOSED LEACHATE TREATMENT SCHEMATIC**  
**FIGURE 3 – SITE PLAN**





SOURCE: USGS 7.5 MINUTE QUADRANGLE - OLYPHANT, PA



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APPALACHIAN  
REGIONAL OFFICE

P. O. Box 794  
8000 Coombs Farm Drive  
Morgantown, WV 26505

DRAWN BY:  
JCHJ

CHECKED BY:  
TGP

DATE:  
5/15/2018

PROJECT NO:  
091018.064

DRAWING SCALE:  
1" = 2,000'



**FIGURE 1**  
SITE LOCATION MAP

LEACHATE MANAGEMENT PLAN  
KEYSTONE SANITARY LANDFILL, INC.  
DUNMORE BOROUGH, THROOP BOROUGH  
LACKAWANNA COUNTY, PENNSYLVANIA










PREPARED FOR:



THOMAS S. POLLAR, P.E.  
LICENSE NO. PE033923E

<b>FIGURE 3</b> SITE PLAN	
<b>DRAWN BY:</b> RLH	<b>CHECKED BY:</b> TGP
<b>DATE:</b> 5/15/18	<b>PROJECT NO:</b> 091018.064
<b>DRAWING SCALE:</b> 1"=1000'	
<b>HEADQUARTERS PHILADELPHIA REGION</b> P.O. Box 468 6912 Old Easton Road Pipersville, PA 18947	
<b>APPALACHIAN REGIONAL OFFICE</b> P.O. Box 794 8000 Coombs Farm Drive Morgantown, WV 26505	
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KEYSTONE SANITARY LANDFILL, INC. DUNMORE BOROUGH, THROOP BOROUGH LACKAWANNA COUNTY, PENNSYLVANIA	

LEGEND

- EXISTING GRADE CONTOUR
- EXISTING LANDFILL LIMIT
- MUNICIPAL BOUNDARY LINE
- APPROXIMATE PROPERTY LINE
- STREAM OR WATERWAY
- ROAD

- NOTES:
- TOPOGRAPHIC CONTOURS AND EXISTING FEATURES ARE FROM KEDDAL AERIAL MAPPING, DATED DECEMBER 23, 2016.
  - PROPERTY LINE AND MUNICIPAL BOUNDARY LINE TAKEN FROM CECO DRAWING NO. 4 "OVERALL SITE PLAN".