

# SECTION 4.0

**SECTION 4.0**  
**APPLICATION FOR WATER QUALITY MANAGEMENT PERMIT  
TO MODIFY LTP**



DEC 18 2019

**APPLICATION FOR  
WATER QUALITY MANAGEMENT PERMIT**

Before completing this form, read the step-by-step instructions provided in this application package.

Related ID#s (If Known) Client ID# <u>74717</u> APS ID# _____ Site ID# <u>452485</u> Auth ID# _____ Facility ID# <u>554120</u>		<b>DEP USE ONLY</b> Date Received & General Notes
---	--	--

**APPLICANT IDENTIFIER**

Application Type:    New       Modification       Renewal      Permit Number (if modification or renewal) \_\_\_\_\_

Applicant Name: Keystone Sanitary Landfill, Inc.

Current Mailing Address: 249 Dunham Drive, Dunmore, PA 18512

Current Phone Number: (570) 343-5782

**FACILITY TYPE (Check all appropriate boxes below)**

<input checked="" type="checkbox"/>	Treatment Plant Summary – Module 1
<input checked="" type="checkbox"/>	Sewer System – Module 2
<input checked="" type="checkbox"/>	Flow Equalization and Grit Chambers – Module 3
<input checked="" type="checkbox"/>	Screening and Settling – Module 4
<input type="checkbox"/>	Trickling Filters and Aeration – Module 5
<input checked="" type="checkbox"/>	Chemical Treatment – Module 6
<input type="checkbox"/>	Rapid Sand Filters – Module 7
<input checked="" type="checkbox"/>	Other Filters and Disinfection – Module 8
<input type="checkbox"/>	Aerobic Digestion Tanks – Module 9
<input type="checkbox"/>	Anaerobic Digestion – Module 10
<input type="checkbox"/>	Sludge Filters and Centrifuges – Module 11
<input type="checkbox"/>	Sludge Drying Beds – Module 12
<input type="checkbox"/>	Stream Encroachment and Crossings – Module 13
<input type="checkbox"/>	Spray Irrigation – Module 14
<input checked="" type="checkbox"/>	Industrial Wastewater Treatment Facility – Module 15
<input type="checkbox"/>	Small Flow Treatment Facility – Module 16
<input type="checkbox"/>	Sewer Extensions – Module 17
<input type="checkbox"/>	Manure Storage Facilities – Module 18
<input type="checkbox"/>	Supplementary Geology and Groundwater Information – Module 19
<input type="checkbox"/>	Impoundments – Module 20
<input type="checkbox"/>	Sequencing Batch Reactor – Module 21
<input type="checkbox"/>	Pump Stations – Module 22

**COMPLIANCE HISTORY REVIEW**

Is/was the facility owner or operator in violation of any DEP regulation, permit, order or schedule of compliance at this or any other facility?    Yes       No

If "Yes," list each permit, order and schedule of compliance and provide compliance status. Use additional sheets to provide information on all permits.

Permit Program	Permit No.
Brief Description of Noncompliance	
Steps Taken to Achieve Compliance	Date(s) Compliance Achieved

Current Compliance Status    In Compliance       In Noncompliance

**CERTIFICATION (Check appropriate box below.)**

I certify under penalty of law that I

- am the applicant
- am an officer or official of the applicant
- have the authority to make this application (attach delegation of signatory authority) and that the plans, reports and documents designated and attached here with part of the application are true and correct to the best of my knowledge and belief.

**Louis DeNaples**

President

Name (type or print legibly)

Official Title

*[Handwritten Signature]*

12-13-19

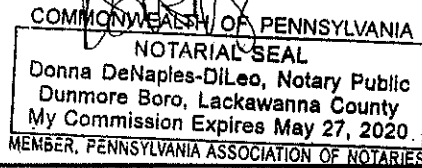
Signature

Date

*(Use corporate or professional seal as appropriate.)*

Taken, sworn and subscribed before me, this 13<sup>th</sup> day of December 2019

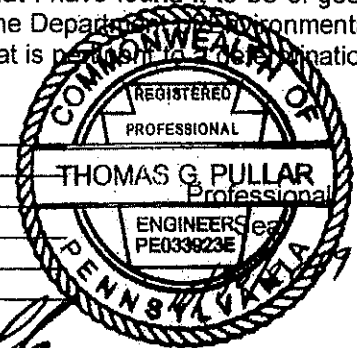
Notary Seal



**LICENSED PROFESSIONAL ENGINEER**

This is to certify that I have personally reviewed all engineering information contained in the accompanying modules, drawings, specifications and other documents which are part of this application and that I have found it to be of good engineering quality, true and correct, and is in conformance with the requirements of the Department of Environmental Protection (DEP), and it does not, to the best of my knowledge, withhold information that is necessary for the determination of compliance with the requirements of DEP.

Name of Design Engineer: Thomas G. Pullar  
 Design Firm: Earthres Group, Inc.  
 Mailing Address: 6912 Old Easton Road  
Pipersville, PA 18947  
 Telephone Number: (215) 766-1211  
 E-mail Address: tpullar@earthres.com



*[Handwritten Signature]*

Signature of Professional Engineer

**NOTICE:** It is an offense under Pennsylvania Criminal Code to affirm a false statement in documents submitted to DEP.

DEP will consider the licensed professional engineer whose seal is affixed to design documents to be fully responsible for the adequacy of all aspects of facility designs. The application and supporting documentation submitted for sewerage projects will be reviewed to ensure general consistency with good engineering practices, and the applicable design guidelines of DEP.



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

TREATMENT PLANT SUMMARY  
MODULE 1

Submit all assumptions and calculations in the *Design Engineer's Report*

<b>APPLICANT NAME</b>		Keystone Sanitary Landfill, Inc.		
<b>CLASS OF CONSTRUCTION</b> (Check all applicable blocks)	<input checked="" type="checkbox"/> New	<input checked="" type="checkbox"/> Additions		
	<input type="checkbox"/> Replacement of Existing Unit(s)	<input type="checkbox"/> Modifications to Existing Unit(s)		
If other than a new system, list the WQM permit number amended by this application				
<b>DESIGN LOADING DATA</b>		<b>Existing Facilities Design</b>	<b>Present Operating Data</b>	<b>Proposed Facilities Design*</b>
1.	HYDRAULIC DESIGN CAPACITY			
	a. Domestic (mgd)			
	b. Industrial (mgd)	0.15	0.15	0.18
	c. Total (mgd)	0.15	0.15	0.18
2.	ANNUAL AVERAGE FLOW (mgd)	0.15	0.15	0.18
3.	DESIGN YEAR OR PERIOD FOR OPERATING DATA			
4.	RUNOFF PERIOD (hrs)			24
5.	TOTAL DESIGN WASTEWATER DATA			
	a. Peak instantaneous flow (mgd)			
	b. Peak hourly flow (mgd)			
	c. Maximum daily flow (mgd)	0.15		0.20
	d. Maximum monthly average flow (mgd)			
	e. Organic (carbonaceous and nitrogenous) Design Capacity (maximum daily) (lbs. BOD <sub>5</sub> /day)			133**
	f. Maximum daily TSS concentration (mg/L)			202***

<b>FACILITIES DESIGN DATA</b>						
Treatment Unit Description (List in sequence)	Design Basis (See Below)	Number of Units			Total Treatment Unit Hydraulic Design (mgd)	Total Treatment Unit Organic Design (lbs/day)**
		Existing	To Be Abandoned	Proposed New Units		
Aerated Lagoons		2				148
pH Adjustment	PH	1		1	0.20	148
Mixed Media Filters	PH			2	0.20	148
Cartridge Filters	PH			2	0.20	148
RO Membranes	MD			2	0.20	148
Re-Aeration	MD			1	0.20	148

**Design Basis:**

- Peak Instantaneous Flow
- PH - Peak Hourly Flow
- MD - Maximum Daily Flow
- MMA - Maximum Monthly Average Flow
- MDO - Maximum Daily Organic Load

\* Please refer to Section 1.3.1 of the Design Engineer's Report for a detailed explanation pertaining to the calculation of the design loading data for the proposed facility  
 \*\* Based on concentration of BOD (88.6 mg/L) measured in an influent composite sample collected on 9/6/18. Analytical data is provided in Attachment B of this application.  
 \*\*\* Based on concentration of TSS measured in an influent grab sample collected on 9/6/18

WASTE CHARACTERISTICS	OUTFALL:				SAMPLING PERIOD: From To <input type="checkbox"/> Yes <input type="checkbox"/> No NPDES Permit application submitted within last 3 years for this outfall.				NAME OF LABORATORY/CONSULTANT Telephone No.: ( )			
	PARAMETER	UNITS	TREATMENT FACILITY INFLUENT MONTHLY AVERAGE	24 HR. MAX.	EXISTING TREATMENT FACILITY EFFLUENT MONTHLY AVERAGE	24 HR. MAX.	NEW TREATMENT FACILITY EFFLUENT (Expected) MONTHLY AVERAGE	24 HR. MAX.	ANALYTICAL METHOD NUMBER			

\*Use Additional Sheets as Necessary

Comments/additional information

Please refer to the "Analysis Results Tables" from the NPDES Application for Individual Permit to Discharge Industrial Wastewater submitted to the PADEP for KSL under separate cover are provided on the following pages.

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 1

*Please read instructions carefully before completing this form.*

APPLICANT NAME	CONCENTRATION / MASS PRESENT										
	POLLUTANT GROUP 1 PARAMETERS	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
<input type="checkbox"/> Keystone Sanitary Landfill, Inc.	<input type="checkbox"/> Outfall / IMP Number (Show location of sampling point on Line Drawing)	BOD <sub>5</sub> (mg/L)	3,500	--	88.60	--	--	1	0	2.0	S5210B-11
	<input checked="" type="checkbox"/> Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)	COD (mg/L)	4,730	--	2,170	--	--	1	0	30	EPA 410.4
	<input type="checkbox"/> Intake Sampling Results (Specify Source: _____)	TOC (mg/L)	1,180	--	580	--	--	1	0	100	SM5310B-2011
	<input type="checkbox"/> Background (Upstream) Sampling Results (Specify Location: _____)	TSS (mg/L)	380	--	202	--	--	1	0	1	S2540D-11
	<input type="checkbox"/> New Discharge (Basis for Information: _____)	Ammonia-Nitrogen (mg/L)	1,800	--	803	--	--	1	0	5.00	D6919-09
		Temperature (Winter) (°F)	5	--	NA	--	--	Design	--	--	--
		Temperature (Summer) (°F)	20	--	NA	--	--	Design	--	--	--
		pH - Minimum (S.U.)	6.0	--	8.6	--	--	Design	--	--	--
		pH - Maximum (S.U.)	9.0	--	8.6	--	--	Design	--	--	--
		Fecal Coliform (No./100 mL)	3,130	--	2,500	--	--	1	0	1	S9222D-97
		Oil and Grease (mg/L)	10	--	5.0	--	--	1	0	2.20	EPA 1664B
		TRC (mg/L)	--	--	<0.10	--	--	1	1	0.10	SM4500-CI G-2011
		Total Phosphorus (mg/L)	--	--	5.8	--	--	1	0	0.50	EPA 365.1
		TKN (mg/L)	--	--	964	--	--	1	0	10.0	S4500NH3G-11
		Nitrite + Nitrate-Nitrogen (mg/L)	--	--	<5.0	--	--	1	1	5.0	EPA 300.0
		Total Dissolved Solids (mg/L)	13,000	--	5,000	--	--	1	0	5	S2540C-11
		Color (Pt-Co Units)	--	--	4,000	--	--	1	0	5	SM2120B-2011
		Bromide (mg/L)	--	--	2.8	--	--	1	0	0.60	EPA 300.0
		Chloride (mg/L)	3,260	--	1,840	--	--	1	0	50.0	EPA 300.0
		Sulfate (mg/L)	130	--	96.3	--	--	1	0	2.0	EPA 300.0
		Sulfide (mg/L)	--	--	4.8	--	--	1	0	1.0	SM4500S2F-2011
		Surfactants (mg/L)	--	--	<0.1000	--	--	1	1	0.1000	SM5540C-2011
		Fluoride (mg/L)	16.5	--	0.56	--	--	1	0	0.20	EPA 300.0
		Total Hardness (mg/L)	--	--	685	--	--	1	0	1.7	EPA 200.7

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 2

*Please read instructions carefully before completing this form.*

APPLICANT NAME	CONCENTRATION / MASS PRESENT										No. "Non-Detect" Results	QL Used	Method Used	
	POLLUTANT GROUP 2 PARAMETERS	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses Design	No. "Non-Detect" Results	QL Used				Method Used
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)							
Keystone Sanitary Landfill, Inc.														
<input type="checkbox"/> Outfall / IMP Number (Show location of sampling point on Line Drawing)														
<input checked="" type="checkbox"/> Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)														
<input type="checkbox"/> Intake Sampling Results (Specify Source: _____)														
<input type="checkbox"/> Background (Upstream) Sampling Results (Specify Location: _____)														
<input type="checkbox"/> New Discharge (Basis for Information: _____)														
Aluminum, Total (µg/L)	1,250	--	NA	--	--	--	--	--	--	--	--	--	--	--
Antimony, Total (µg/L)	--	--	15	--	--	--	--	--	1	10	EPA 200.8			
Arsenic, Total (µg/L)	1,000	--	400	--	--	--	--	--	1	15	EPA 200.8			
Barium, Total (µg/L)	1,970	--	960	--	--	--	--	--	1	25	EPA 200.8			
Beryllium, Total (µg/L)	--	--	<5	--	--	--	--	--	1	5	EPA 200.8			
Boron, Total (µg/L)	--	--	9600	--	--	--	--	--	1	250	EPA 200.7			
Cadmium, Total (µg/L)	7.9	--	<2	--	--	--	--	--	1	2	EPA 200.8			
Chromium, Total (µg/L)	--	--	290	--	--	--	--	--	1	10	EPA 200.8			
Chromium, Hexavalent (µg/L)	1,000	--	<250	--	--	--	--	--	1	250	EPA 218.6			
Cobalt, Total (µg/L)	--	--	39	--	--	--	--	--	1	25	EPA 200.8			
Copper, Total (µg/L)	200	--	<25	--	--	--	--	--	1	25	EPA 200.8			
Cyanide, Total (µg/L)	800	--	<50	--	--	--	--	--	1	50	EPA 335.4			
Iron, Total (µg/L)	26,200	--	7,000	--	--	--	--	--	1	150	EPA 200.7			
Iron, Dissolved (µg/L)	4,670	--	5,700	--	--	--	--	--	1	1200	EPA 200.7			
Lead, Total (µg/L)	200	--	<10	--	--	--	--	--	1	10	EPA 200.8			
Manganese, Total (µg/L)	3,630	--	1,300	--	--	--	--	--	1	25	EPA 200.8			
Mercury, Total (µg/L)	2	--	0.0000359	--	--	--	--	--	1	0.0250	EPA 1631E			
Molybdenum, Total (µg/L)	--	--	<10	--	--	--	--	--	1	10	EPA 200.8			
Nickel, Total (µg/L)	350	--	180	--	--	--	--	--	1	25	EPA 200.8			
Phenols, Total (µg/L)	--	--	<5	--	--	--	--	--	1	5	EPA 420.4			
Selenium, Total (µg/L)	--	--	<20	--	--	--	--	--	1	20	EPA 200.8			
Silver, Total (µg/L)	100	--	<5.0	--	--	--	--	--	1	5.0	EPA 200.8			
Thallium, Total (µg/L)	--	--	<5.0	--	--	--	--	--	1	5.0	EPA 200.8			
Zinc, Total (µg/L)	292	--	140	--	--	--	--	--	1	25	EPA 200.8			



## ANALYSIS RESULTS TABLE POLLUTANT GROUP 3 (PAGE 1 OF 2)

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.									
	<input type="checkbox"/> <b>Outfall / IMP Number</b> (Show location of sampling point on Line Drawing) <input checked="" type="checkbox"/> <b>Treatment Facility Influent Sampling Results</b> (Show location of sampling point on Line Drawing) <input type="checkbox"/> <b>Intake Sampling Results</b> (Specify Source: _____) <input type="checkbox"/> <b>Background (Upstream) Sampling Results</b> (Specify Location: _____) <input type="checkbox"/> <b>New Discharge (Basis for Information):</b> _____									
	CONCENTRATION / MASS PRESENT									
POLLUTANT GROUP 3 PARAMETERS	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Acrolein (µg/L)	--	--	<50.0	--	--	--	1	1	50.0	EPA 624
Acrylonitrile (µg/L)	--	--	<25.0	--	--	--	1	1	25.0	EPA 624
Benzene (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Bromoform (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Carbon Tetrachloride (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Chlorobenzene (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Chlorodibromomethane (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Chloroethane (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
2-Chloroethylvinyl Ether (µg/L)	--	--	<10.0	--	--	--	1	1	10.0	EPA 624
Chloroform (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Dichlorobromomethane (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
1,1-Dichloroethane (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
1,2-Dichloroethane (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
1,1-Dichloroethylene (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
1,2-Dichloropropane (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
1,3-Dichloropropylene (µg/L)	--	--	<10.0	--	--	--	1	1	10.0	EPA 624
1,4-Dioxane (µg/L)	--	--	NA	--	--	--	0	0	--	--
Ethylbenzene (µg/L)	--	--	12	--	--	--	1	0	5.0	EPA 624
Methyl Bromide (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Methyl Chloride (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Methylene Chloride (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
1,1,2,2-Tetrachloroethane (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624
Tetrachloroethylene (µg/L)	--	--	<5.0	--	--	--	1	1	5.0	EPA 624

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 3 (PAGE 2 OF 2)

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.													
	<input type="checkbox"/> Outfall / IMP Number (Show location of sampling point on Line Drawing) <input checked="" type="checkbox"/> Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) <input type="checkbox"/> Intake Sampling Results (Specify Source: _____) <input type="checkbox"/> Background (Upstream) Sampling Results (Specify Location: _____) <input type="checkbox"/> New Discharge (Basis for Information: _____)													
	CONCENTRATION / MASS PRESENT					Long-Term Avg Value	No. Analyses	No. "Non-Detect" Results	QL Used	Method Used				
Min/Max Daily Value		Max Avg Monthly Value		Mass (lbs/day)	Conc						Mass (lbs/day)	Conc		
POLLUTANT GROUP 3 PARAMETERS	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)						
Toluene (µg/L)	21	--	19.4	--	--	--	--	--	5.0	0	5.0	EPA 624		
1,2-Trans-Dichloroethylene (µg/L)	--	--	<5.0	--	--	--	--	--	5.0	1	5.0	EPA 624		
1,1,1-Trichloroethane (µg/L)	--	--	<5.0	--	--	--	--	--	5.0	1	5.0	EPA 624		
1,1,2-Trichloroethane (µg/L)	--	--	<5.0	--	--	--	--	--	5.0	1	5.0	EPA 624		
Trichloroethylene (µg/L)	--	--	<5.0	--	--	--	--	--	5.0	1	5.0	EPA 624		
Vinyl Chloride (µg/L)	--	--	<5.0	--	--	--	--	--	5.0	1	5.0	EPA 624		

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 4

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.										
	POLLUTANT GROUP 4 PARAMETERS	CONCENTRATION / MASS PRESENT									
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)						
2-Chlorophenol (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625	
2,4-Dichlorophenol (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625	
2,4-Dimethylphenol (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625	
4,6-Dinitro-o-Cresol (µg/L)	--	--	<6.3	--	--	--	1	1	6.3	EPA 625	
2,4-Dinitrophenol (µg/L)	--	--	<6.3	--	--	--	1	1	6.3	EPA 625	
2-Nitrophenol (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625	
4-Nitrophenol (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625	
P-Chloro-m-Cresol (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625	
Pentachlorophenol (µg/L)	--	--	<6.3	--	--	--	1	1	6.3	EPA 625	
Phenol (µg/L)	0.2	--	<8.3	--	--	--	1	1	8.3	EPA 625	
2,4,6-Trichlorophenol (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625	

- Outfall / IMP Number (Show location of sampling point on Line Drawing)
- Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)
- Intake Sampling Results (Specify Source: \_\_\_\_\_)
- Background (Upstream) Sampling Results (Specify Location: \_\_\_\_\_)
- New Discharge (Basis for Information: \_\_\_\_\_)

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 5 (PAGE 1 OF 3)

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.									
	<input type="checkbox"/> <b>Outfall / IMP Number</b> (Show location of sampling point on Line Drawing) <input checked="" type="checkbox"/> <b>Treatment Facility Influent Sampling Results</b> (Show location of sampling point on Line Drawing) <input type="checkbox"/> <b>Intake Sampling Results</b> (Specify Source: _____) <input type="checkbox"/> <b>Background (Upstream) Sampling Results</b> (Specify Location: _____) <input type="checkbox"/> <b>New Discharge (Basis for Information: _____)</b>									
	POLLUTANT GROUP 5 PARAMETERS	CONCENTRATION / MASS PRESENT					No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value						
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Acenaphthene (µg/L)	--	--	8.5	--	--	--	1	1.6	EPA 625	
Acenaphthylene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	
Acrylamide (µg/L)	--	--	NA	--	--	--	0	--	--	
Anthracene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	
Benidine (µg/L)	--	--	<8.3	--	--	--	1	8.3	EPA 625	
Benzo(a)Anthracene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	
Benzo(a)Pyrene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	
3,4-Benzo-fluoranthene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	
Benzo(g,h,i)Perylene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	
Benzo(k)Fluoranthene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	
Bis(2-Chloro-ethoxy)Methane (µg/L)	--	--	<3.1	--	--	--	1	3.1	EPA 625	
Bis(2-Chloroethyl)Ether (µg/L)	--	--	<3.1	--	--	--	1	3.1	EPA 625	
Bis(2-Chloro-isopropyl)Ether (µg/L)	--	--	<3.1	--	--	--	1	3.1	EPA 625	
Bis(2-Ethylhexyl)Phthalate (µg/L)	--	--	13.4	--	--	--	1	3.1	EPA 625	
4-Bromophenyl Phenyl Ether (µg/L)	--	--	<3.1	--	--	--	1	3.1	EPA 625	
Butyl Benzyl Phthalate (µg/L)	--	--	<3.1	--	--	--	1	3.1	EPA 625	
2-Chloronaphthalene (µg/L)	--	--	<3.1	--	--	--	1	3.1	EPA 625	
4-Chlorophenyl Phenyl Ether (µg/L)	--	--	<3.1	--	--	--	1	3.1	EPA 625	
Chrysene (µg/L)	--	--	<1.6	--	--	--	1	1.6	EPA 625	

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 5 (PAGE 2 OF 3)

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.		CONCENTRATION / MASS PRESENT										Method Used	
	<input type="checkbox"/> <b>Outfall / IMP Number</b> (Show location of sampling point on Line Drawing) <input checked="" type="checkbox"/> <b>Treatment Facility Influent Sampling Results</b> (Show location of sampling point on Line Drawing) <input type="checkbox"/> <b>Intake Sampling Results</b> (Specify Source: _____) <input type="checkbox"/> <b>Background (Upstream) Sampling Results</b> (Specify Location: _____) <input type="checkbox"/> <b>New Discharge (Basis for Information: _____)</b>		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	QL Used			
			Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)						
<b>POLLUTANT GROUP 5 PARAMETERS</b>														
Dibenzo(a,h)Anthracene (µg/L)	--	--	<1.6	--	--	--	--	--	1	1	1.6	EPA 625		
1,2-Dichlorobenzene (µg/L)	--	--	<5	--	--	--	--	--	1	1	5	EPA 624		
1,3-Dichlorobenzene (µg/L)	--	--	<5	--	--	--	--	--	1	1	5	EPA 624		
1,4-Dichlorobenzene (µg/L)	--	--	9.0	--	--	--	--	--	1	0	5.0	EPA 624		
3,3'-Dichlorobenzidine (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Diethyl Phthalate (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Dimethyl Phthalate (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Di-n-Butyl Phthalate (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
2,4-Dinitrotoluene (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
2,6-Dinitrotoluene (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Di-n-Octyl Phthalate (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
1,2-Diphenylhydrazine (as Azobenzene) (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Fluoranthene (µg/L)	--	--	<1.6	--	--	--	--	--	1	1	1.6	EPA 625		
Fluorene (µg/L)	--	--	<1.6	--	--	--	--	--	1	1	1.6	EPA 625		
Hexachlorobenzene (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Hexachlorobutadiene (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Hexachlorocyclopentadiene (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		
Hexachloroethane (µg/L)	--	--	<3.1	--	--	--	--	--	1	1	3.1	EPA 625		

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 5 (PAGE 3 OF 3)

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.									
	<input type="checkbox"/> Outfall / IMP Number (Show location of sampling point on Line Drawing) <input checked="" type="checkbox"/> Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) <input type="checkbox"/> Intake Sampling Results (Specify Source: _____) <input type="checkbox"/> Background (Upstream) Sampling Results (Specify Location: _____) <input type="checkbox"/> New Discharge (Basis for Information: _____)									
	CONCENTRATION / MASS PRESENT									
POLLUTANT GROUP 5 PARAMETERS	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Indeno(1,2,3-cd)Pyrene (µg/L)	--	--	<1.6	--	--	--	1	1	1.6	EPA 625
Isophorone (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625
Naphthalene (µg/L)	--	--	31.3	--	--	--	1	0	1.6	EPA 625
Nitrobenzene (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625
N-Nitroso-di-methylamine (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625
N-Nitroso-di-n-propylamine (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625
N-Nitroso-di-n-phenylamine (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625
Phenanthrene (µg/L)	--	--	3.5	--	--	--	1	0	1.6	EPA 625
Pyrene (µg/L)	--	--	<1.6	--	--	--	1	1	1.6	EPA 625
1,2,4-Trichlorobenzene (µg/L)	--	--	<3.1	--	--	--	1	1	3.1	EPA 625

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 6 (PAGE 1 OF 2)

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.									
	<input type="checkbox"/> Outfall / IMP Number (Show location of sampling point on Line Drawing) <input checked="" type="checkbox"/> Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) <input type="checkbox"/> Intake Sampling Results (Specify Source: _____) <input type="checkbox"/> Background (Upstream) Sampling Results (Specify Location: _____) <input type="checkbox"/> New Discharge (Basis for Information: _____)									
	POLLUTANT GROUP 6 PARAMETERS	CONCENTRATION / MASS PRESENT					Long-Term Avg Value	No. "Non-Detect" Results	No. Analyses	QL Used
Min/Max Daily Value		Max Avg Monthly Value		Mass (lbs/day)	Conc	Mass (lbs/day)				
Aldrin (µg/L)	--	--	--	<0.040	--	--	--	--	0.040	EPA 608
Alpha BHC (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Beta BHC (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Gamma BHC (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Delta BHC (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Chlordane (µg/L)	--	--	<0.40	<0.40	--	--	--	--	0.40	<0.040
4,4'-DDT (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
4,4'-DDE (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
4,4'-DDD (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Dieldrin (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Alpha-Endosulfan (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Beta-Endosulfan (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Endosulfan Sulfate (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Endrin (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Endrin Aldehyde (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Heptachlor (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
Heptachlor Epoxide (µg/L)	--	--	<0.040	<0.040	--	--	--	--	0.040	EPA 608
PCB -1242 (µg/L)	--	--	<1.0	<1.0	--	--	--	--	1.0	EPA 608
PCB -1254 (µg/L)	--	--	<1.0	<1.0	--	--	--	--	1.0	EPA 608

## ANALYSIS RESULTS TABLE POLLUTANT GROUP 6 (PAGE 2 OF 2)

*Please read instructions carefully before completing this form.*

APPLICANT NAME	Keystone Sanitary Landfill, Inc.										
	POLLUTANT GROUP 6 PARAMETERS	CONCENTRATION / MASS PRESENT									
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
PCB-1221 (µg/L)	--	--	<1.0	--	--	--	--	1	1	1.0	EPA 608
PCB-1232 (µg/L)	--	--	<1.0	--	--	--	--	1	1	1.0	EPA 608
PCB-1248 (µg/L)	--	--	<1.0	--	--	--	--	1	1	1.0	EPA 608
PCB-1260 (µg/L)	--	--	<1.0	--	--	--	--	1	1	1.0	EPA 608
PCB-1016 (µg/L)	--	--	<1.0	--	--	--	--	1	1	1.0	EPA 608
Toxaphene (µg/L)	--	--	<1.0	--	--	--	--	1	1	1.0	EPA 608

- Outfall / IMP Number (Show location of sampling point on Line Drawing)  
 Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)  
 Intake Sampling Results (Specify Source: \_\_\_\_\_)  
 Background (Upstream) Sampling Results (Specify Location: \_\_\_\_\_)  
 New Discharge (Basis for Information: \_\_\_\_\_)