PHASE I APPLICATION
CAMP HOPE RUN LANDFILL
BOGGS TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA

FORM GIF

GENERAL INFORMATION FORM

JUNE 2017

1300-PM-BIT0001 5/2012
Form

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
Client ID#	**APS ID#**	Date Received & General Notes
Site ID#	**Auth ID#**	
Facility ID#		

CLIENT INFORMATION

DEP Client ID#	**Client Type / Code**
	LLC

Organization Name or Registered Fictitious Name	**Employer ID#** (EIN)	**Dun & Bradstreet ID#**
PA Waste, LLC	81-0637187	

Individual Last Name	**First Name**	**MI**	**Suffix**	**SSN**
Rovner	Robert	A		159-34-2856

Additional Individual Last Name	**First Name**	**MI**	**Suffix**	**SSN**
See ATTACHMENT GIF-1				

Mailing Address Line 1	**Mailing Address Line 2**
175 Bustleton Pike	

Address Last Line – City	**State**	**ZIP+4**	**Country**
Feasterville	PA	19053	USA

Client Contact Last Name	**First Name**	**MI**	**Suffix**
Rovner	Robert	A	Esq.

Client Contact Title	**Phone**	**Ext**
President and Chairman	(215) 953-2726	

Email Address	**FAX**
rovnerr@dial-law.com	(215) 355-0940

SITE INFORMATION

DEP Site ID#	**Site Name**
	Camp Hope Run Landfill

EPA ID#	**Estimated Number of Employees to be Present at Site**	20

Description of Site
Municipal Waste Landfill

County Name	**Municipality**	**City**	**Boro**	**Twp**	**State**
Clearfield County	Boggs Township	☐	☐	☒	
County Name	**Municipality**	**City**	**Boro**	**Twp**	**State**
		☐	☐	☐	

Site Location Line 1	**Site Location Line 2**
Rt 153 South	Crooked Sewer Road

Site Location Last Line – City	**State**	**ZIP+4**
West Decatur	PA	16878

Detailed Written Directions to Site
The site is located along the west side of State Rt. 153, about 5 miles south from the Rt. 879 & Rt. 153 intersection.

Site Contact Last Name	**First Name**	**MI**	**Suffix**
Rovner	Robert	A	

Site Contact Title	**Site Contact Firm**
President and Chairman	PA Waste, LLC

Mailing Address Line 1	**Mailing Address Line 2**
175 Bustleton Pike	

Mailing Address Last Line – City	**State**	**ZIP+4**
Feasterville	**PA**	**19053**

Phone	Ext	FAX	Email Address
(215) 953-2726		(215) 355-0940	roverr@dial-law.com

NAICS Codes (Two- & Three-Digit Codes – List All That Apply): 56-562

6-Digit Code (Optional): 236210

Client to Site Relationship
Own/Operate

FACILITY INFORMATION

Modification of Existing Facility

		Yes	No
1.	**Will this project modify an existing facility, system, or activity?**	☒	☐
2.	**Will this project involve an addition to an existing facility, system, or activity?**	☐	☒

If "Yes", check all relevant facility types and provide DEP facility identification numbers below.

	Facility Type	DEP Fac ID#		Facility Type	DEP Fac ID#
☐	Air Emission Plant		☐	Industrial Minerals Mining Operation	
☐	Beneficial Use (water)		☐	Laboratory Location	
☐	Blasting Operation		☐	Land Recycling Cleanup Location	
☐	Captive Hazardous Waste Operation		☐	MineDrainageTrmt/LandRecyProjLocation	
☐	Coal Ash Beneficial Use Operation		☐	Municipal Waste Operation	
☒	Coal Mining Operation	17890115	☐	Oil & Gas Encroachment Location	
☐	Coal Pillar Location		☐	Oil & Gas Location	
☐	Commercial Hazardous Waste Operation		☐	Oil & Gas Water Poll Control Facility	
☐	Dam Location		☐	Public Water Supply System	
☐	Deep Mine Safety Operation -Anthracite		☐	Radiation Facility	
☐	Deep Mine Safety Operation -Bituminous		☐	Residual Waste Operation	
☐	Deep Mine Safety Operation -Ind Minerals		☐	Storage Tank Location	
☐	Encroachment Location (water, wetland)		☐	Water Pollution Control Facility	
☐	Erosion & Sediment Control Facility		☐	Water Resource	
☐	Explosive Storage Location		☐	Other:	

Latitude/Longitude Point of Origin	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Center of Facility	40	56	0	78	23	52

Horizontal Accuracy Measure: Feet --or-- Meters

Horizontal Reference Datum Code
- ☐ North American Datum of 1927
- ☒ North American Datum of 1983
- ☐ World Geodetic System of 1984

Horizontal Collection Method Code: GPSKN

Reference Point Code: ENTGN

Altitude: Feet 1785 --or-- Meters

Altitude Datum Name
- ☐ The National Geodetic Vertical Datum of 1929
- ☒ The North American Vertical Datum of 1988 (NAVD88)

Altitude (Vertical) Location Datum Collection Method Code: GPSKN

Geometric Type Code: POINT

Data Collection Date: 01/26/05

Source Map Scale Number: 1" Inch(es) = 200' Feet
--or-- Centimeter(s) = Meters

PROJECT INFORMATION

Project Name
Camp Hope Run Landfill

Project Description
SEE ATTACHMENT GIF-1 (NARRATIVE RESPONSES)

Project Consultant Last Name	First Name	MI	Suffix
Gardner	John	M	PE

Project Consultant Title	Consulting Firm
Vice President	Smith Gardner, Inc.

Mailing Address Line 1	Mailing Address Line 2
14 N. Boylan Avenue	

Address Last Line – City	State	ZIP+4
Raleigh	NC	27603

Phone	Ext	FAX	Email Address
(919) 828-0577	126	(919)828-3899	john@smithgardnerinc.com

Time Schedules	Project Milestone (Optional)
Spring 2020	Initiate construction of first phase

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.	☐	Yes	☒	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?**	☐	Yes	☐	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?**	☐	Yes	☐	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?**	☐	Yes	☐	No
1.4	**For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?**	☐	Yes	☐	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?**	☐	Yes	☐	No
1.6	**Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?**	☐	Yes	☐	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.	☐	Yes	☒	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?**	☐	Yes	☐	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?**	☐	Yes	☐	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)?**	☐	Yes	☐	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?**	☐	Yes	☐	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?**	☐	Yes	☐	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.	☐	Yes	☒	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)?**	☐	Yes	☐	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 *Project Description*.	☐	Yes	☐	No
3.3	**Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?**	☐	Yes	☐	No
4.0	**Will the project involve a construction activity that results in earth disturbance?** If "Yes", specify the total disturbed acreage. **4.0.1 Total Disturbed Acreage** 500 acres (approximate)`	☒	Yes	☐	No
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.	☒	Yes	☐	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?**	☒	Yes	☐	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?**	☒	Yes	☐	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?**	☐	Yes	☒	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?**	☒	Yes	☐	No
7.0	**Will the project involve the construction and operation of industrial waste treatment facilities?**	☒	Yes	☐	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 *Project Description*, where applicable. **8.0.1 Estimated Proposed Flow (gal/day)** Up to 50,000 gallons per day	☒	Yes	☐	No
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?**	☒	Yes	☐	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.	☐	Yes	☒	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). **10.0.1 Gallons Per Year (residential septage)** _____ **10.0.2 Dry Tons Per Year (biosolids)**	☐	Yes	☒	No
11.0	**Does the project involve construction, modification or removal of a dam?** If "Yes", identify the dam. **11.0.1 Dam Name**	☐	Yes	☒	No

12.0	**Will the project interfere with the flow from, or otherwise impact, a dam?** If "Yes", identify the dam.	☐	Yes	☒	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.	☒	Yes	☐	No
	13.0.1 Enter all types & amounts of emissions; separate each set with semicolons. NMOC Varies (refer to Form G(B)); Particulate - Varies (refer to Form G(A))				
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.	☒	Yes	☐	No
	14.0.1 Number of Persons Served 20				
	14.0.2 Number of Employee/Guests 20				
	14.0.3 Number of Connections 1				
	14.0.4 Sub-Fac: Distribution System	☐	Yes	☒	No
	14.0.5 Sub-Fac: Water Treatment Plant	☐	Yes	☒	No
	14.0.6 Sub-Fac: Source	☐	Yes	☒	No
	14.0.7 Sub-Fac: Pump Station	☐	Yes	☒	No
	14.0.8 Sub Fac: Transmission Main	☐	Yes	☒	No
	14.0.9 Sub-Fac: Storage Facility	☐	Yes	☒	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?**	☐	Yes	☒	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.	☐	Yes	☒	No
	16.0.1 Supplier's Name				
	16.0.2 Letter of Approval from Supplier is Attached	☐	Yes	☐	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.	☐	Yes	☒	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.	☒	Yes	☐	No
	18.0.1 Type & Amount Municipal, Construction & Demolition, select Residual and Special waste; about 5,000 tons per day.				
19.0	**Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?**	☐	Yes	☒	No
20.0	**Does your project involve installation of a field constructed underground storage tank?** If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit.	☐	Yes	☒	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.**	3 – 1,200,000 gallon storage tanks to temporarily store/treat MSW landfill leachate.			
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 John M. Gardner, P.E.

Signature	Vice President **Title**	June 2, 2017 **Date**

PHASE I APPLICATION
CAMP HOPE RUN LANDFILL
BOGGS TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA

FORM GIF
ATTACHMENT GIF-1
Narrative Responses

JUNE 2017

FORM GIF – GENERAL INFORMATION FORM - AUTHORIZATION APPLICATION

CLIENT INFORMATION

Additional Individuals – PA Waste, LLC Partners:

- Estate of Robert Daniels
- Ramsey G. DiLibero
- Estate of Mark Luber

PROJECT INFORMATION / COORDINATION INFORMATION

PROJECT DESCRIPTION

PA Waste, LLC (PA Waste) is proposing to construct and operate a municipal waste landfill referred to as the Camp Hope Run Landfill located in Boggs Township, Clearfield County, Pennsylvania. The proposed landfill will be located approximately seven miles southeast of Clearfield, Pennsylvania along the west side of State Route 153. The proposed landfill and supporting facilities will be located within an approximate 845-acre facility boundary. The waste disposal limits will encompass approximately 217 lined acres, with support facilities and buffer areas within the remainder of the overall facility. A Site Location Map is included as **EXHIBIT GIF-1.1**.

Generally, support facilities will include access roads and gates, a scale house and (surface) scales, an office and maintenance building, a truck parking/staging area, a truck tire wash station, a soil stockpile, a leachate collection and conveyance system, a landfill gas collection/control system, and erosion/ sediment controls features. The majority of the remaining facility area will be comprised of undisturbed, wooded and/or vegetated buffers. The proposed Camp Hope Run Landfill will accept municipal solid waste, construction and demolition waste, and select residual and special waste streams. The proposed landfill will be designed, constructed, and operated consistent with requirements of Pennsylvania Municipal Waste Regulations and Boggs Township Ordinances. Development of this landfill will provide economic, social, and environmental benefits for the local and regional communities and the Commonwealth. In particular, the landfill will incorporate design features to eliminate and reduce acid mine drainage associated with the site, and provide substantial economic benefits to the local and regional residents and economy.

Existing Conditions

The landfill property is currently a brownfield site in that it was clear cut for timber in the early 1980's and was subsequently (surface) strip mined for coal during the 1990's. A strip mining area from earlier years is located in the northern portion of the property. Acid mine drainage (AMD) seeps have developed from the strip mining that was conducted on the proposed landfill site which is now impacting the groundwater and surface water in the vicinity of the site.

Extensively strip mined areas are located on an adjoining property, to the east and south across State Route 153. These adjacent mined areas are producing AMD, which is also affecting the surface and groundwater associated with the proposed landfill property. Both Camp Hope Run to the North and Sanbourn Run to the South, which border the site, are degraded by AMD from the strip mine sites to the east.

The proposed Camp Hope Run Landfill has been located and designed to mitigate existing AMD problems at the site. These design features include reuse of previously mined areas, elimination of AMD discharges, and collection and treatment of AMD affected groundwater. These design features will help improve groundwater quality at the site, and surface water quality in Camp Hope Run, Sanbourn Run, and ultimately Clearfield Creek and the West Branch of the Susquehanna River.

Access Route and Traffic Study

The proposed landfill will use an existing entrance to the property from State Route 153 to access the facility. The main access route to the site is from I-80; Exit 120 near Clearfield, Pennsylvania, south on State Route 879, to State Route 153, approximately seven miles to the site entrance. A truck parking/staging area will be provided at the entrance to the facility. This parking/staging area will allow trucks arriving at the facility prior to operational hours to park well away from the public roads and adjacent properties. Truck scales will be provided at the facility entrance. A truck tire wash is planned to remove mud from truck wheels and undercarriage prior to exiting the site.

A traffic impact study was performed for the proposed access route to the site. This Traffic Impact Study (refer to **FORM D, EXHIBIT D-11.2**) addresses truck traffic to the site and provides an assessment of the traffic affects of the proposed activity. This study demonstrated that with some improvements, the designated access route manages the maximum anticipated landfill-related truck traffic with minimal impact.

General Development

The proposed landfill will contain about 217 acres of lined waste disposal area. The disposal area will be partially situated within a reclaimed, previously surface coal mined area. The previously mined areas will be used as part of the landfill waste disposal area as well as support areas for the landfill. Based on groundwater and surface water monitoring, these previously mined areas are creating surface and groundwater degradation as a result of the acidic overburden rock. Select overburden material from the mined areas will be excavated and used in the lined areas of the landfill for daily and intermediate cover material. The excavation in the previously mined areas will not extend below the (mined) coal seam elevation but will remove acid-producing materials and collect and control the existing degraded groundwater. Placement of the potentially acid-producing material in the lined areas of the landfill as a “waste” and not a cover material will prevent future degradation of groundwater and surface water. Soil and rock material that has no potential for acid formation will be placed in on-site stockpiles, used in cell construction or will be used in landfill operations.

Landfill Liner System

The proposed disposal area will be constructed with a double-composite (geosynthetic) liner system. The liner system will be designed, constructed, operated, and maintained to meet or exceed requirements of Pennsylvania Municipal Waste Regulations and will consist of, from top to bottom: a protective cover/leachate collection zone with piping; a geotextile cushion; a 60-mil thick textured high density polyethylene (HDPE) primary geomembrane, a geosynthetic clay liner (GCL), a geocomposite drainage layer/leachate detection zone with piping, a 60-mil thick textured HDPE secondary geomembrane, and a prepared, low-permeability soil subbase.

Leachate Collection and Conveyance System

Leachate generated in the waste disposal area will be collected by a leachate collection piping network located on top of the liner system within the lined areas and pumped up from the landfill floor to the landfill perimeter. From the landfill perimeter, leachate will be conveyed by gravity and pumping to a series of manholes and a piping network that extends around the disposal area perimeter. Collected leachate will be temporarily stored in enclosed, above-ground tanks and pumped to an on-site industrial wastewater treatment plant (IWTP) for leachate treatment and discharge to Clearfield Creek. Leachate may also be recirculated to the waste disposal area.

Landfill Cover System

The proposed disposal area will be closed incrementally with a geosynthetic and soil cover system. The cover system will consist of a final vegetated soil, overlying a synthetic liner cover and barrier drainage system. The cover system will be designed to meet or exceed the performance standards and design requirements specified in the Pennsylvania Municipal Waste Management Regulations.

Landfill Gas Management System

The proposed landfill design includes a landfill gas (LFG) management system consisting of a gas migration monitoring network and a gas collection and control system. The gas migration monitoring network will consist of LFG probes. The gas migration monitoring system will be installed and monitoring will begin prior to, or in conjunction with the start of landfill operations in the various phases of site development. The system will include gas monitoring probes around the landfill perimeter and/or at select locations around the facility/property. On-site buildings (structures) will be regularly monitored for the presence of methane.

The gas collection and control system will be installed sometime after landfill operations begin either when the regulatory threshold requiring an active system is reached or when landfill operations dictate the need for a system. The gas collection and control system will consist of gas extraction wells, collection conveyance piping network, condensate collection network, gas moving system (blower), and a gas combustion unit (enclosed ground flare) or equivalent means of destruction. Both the gas migration and monitoring system and the gas collection and control system will be constructed incrementally, in phases, throughout the sequence of landfill development. Collected LFG will be directed into an enclosed ground flare where it will be destroyed by combustion at high temperatures. Moisture that condenses from the LFG, known as condensate, will be removed and drained back into the landfill or into the leachate management system for subsequent treatment.

Water Supply

The site will install a water supply well to provide for the potable water needs of the facility. The well will be equipped with the required water treatment equipment to meet drinking water standards. This system will supply water to the office and maintenance facilities at the site. This system will be operated and maintained by the facility. Necessary permits for the operation of this system will be obtained from the PADEP.

Sanitary System

The facility will construct and maintain a sanitary sewage system for the site to treat site-generated sewage at the on-site IWTP. The location of this facility is shown on the drawings. All necessary permits will be obtained from the DEP for construction and operation of the sewage management system and for the discharge from the plant. This sewage management system will provide for all of the sewage needs for the site.

Erosion/Sedimentation Controls and Stormwater Management

Permanent and temporary erosion and sediment control measures will be developed incrementally throughout the life of the facility consistent with the Soil Erosion and Sedimentation Control (SE/SC) Plan. Stormwater runoff will be collected by temporary and/or permanent channels and diversion berms within and around the landfill, borrow area, and stockpiles. From these conveyances, stormwater will be routed to sedimentation basins. Various temporary structural measures including silt-fencing, check dams, silt traps, and turf reinforcement mats will be used to manage stormwater throughout the site's development. In addition to structural measures, non-structural measures such as vegetating disturbed areas and minimizing disturbed areas will be used to manage stormwater.

Operations Data

Waste Acceptance Rates: The anticipated maximum and average daily waste acceptance rates are:

- Maximum Daily/Average Daily Weight: 5,000 tons

Under normal operating conditions the site proposes to receive waste and be open to the public during the following times:

6:00 a.m. to 6:00 p.m.	**Monday through Friday**
7:00 a.m. to 3:00 p.m.	**Saturday**
Closed	**Sunday**

However, the Site may operate 24 hours per day, 7 days a week to include waste disposal support activities, construction, maintenance, monitoring, operation of landfill environmental management and control systems, and other associated support activities.

Operations of the landfill over these extended hours results in a reduction of truck traffic density (number of trucks per hour) which enhances traffic safety. Saturday hours provides waste disposal access and convenience for local residents and businesses.

Capacity: Approximate landfill capacities are as follows:

- Gross Capacity: 37.6 Million Cubic yards
- Net Capacity: 36.2 Million Cubic Yards

Lifetime: The estimated Landfill lifetime assuming a long term waste density of 0.75 tons/CY, 5.5 operating days per week, and a waste acceptance rate starting at 1,000 tons per day and increasing by 1,000 tons per day each year until the waste acceptance rate is 5,000 tons per day, is approximately **21years**.

Preliminary Land Development Plan Approval

A Preliminary Land Development Application was submitted to the Host Municipality Boggs Township, Clearfield County, Pennsylvania, in accordance with their Subdivision and Land Development Ordinance, Ordinance No. 93-01, and pursuant to the Clearfield County Subdivision and Land Development Ordinance – 1995, as amended through September 2, 2003, Clearfield County Ordinance No. 95-2, as amended by Clearfield County Ordinance No. 2003-2. The Preliminary Land Development Plan (PLDP) was reviewed by the Clearfield County Planning Commission and approved by the Boggs Township Board of Supervisors on April 11, 2005.

Host Municipality Agreement

On September 13, 2004 PA Waste LLC and Boggs Township entered in to a Host Municipality Agreement for the proposed Camp Hope Run Landfill. This Host Municipality Agreement sets forth the terms of the Agreement and the payment of Host fees for the development, construction, and operation of the proposed Camp Hope Run Landfill. A copy of the Host Municipality Agreement is included as **EXHIBIT GIF-1.2**.

COORDINATION INFORMATION

5.0 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 (INCLUDING WETLANDS)?

The proposed development will impact a limited area of existing wetlands and include a stream crossing. A wetlands mitigation planis proposed to offset the planned impacts.

6.0 WILL THE PROJECT INVOLVE DISCHARGE OF INDUSTRIAL WASTEWATER OR STORMWATER TO A DRY SWALE, SURFACE WATER, GROUND WATER OR AN EXISTING SANITARY SEWER SYSTEM OR SEPARATE STORM WATER SYSTEM?

Yes. Leachate generated from the development will be collected by a leachate collection piping network located on top of the landfill liner system within the lined areas. The collected leachate will be discharged to a series of manholes and piping that extend around the perimeter of disposal area. Leachate collected from the perimeter system will be directed to and temporarily stored in enclosed tanks for subsequent discharge and treatment.

It is anticipated that the planned on-site IWTP will discharge treated effluent to Clearfield Creek under A National Pollutant Discharge Elimination (NPDES) Permit. The treatment process and plant design are generally described in Form 25 of the municipal waste permit application for the site.

7.0 WILL THE PROJECT INVOLVE THE CONSTRUCTION AND OPERATION OF INDUSTRIAL WASTE TREATMENT FACILITIES?

Yes. Leachate will be temporarily stored on-site and ultimately discharge to an on-site IWTP.

8.0 WILL THE PROJECT INVOLVE CONSTRUCTION OF SEWAGE TREATMENT FACILITIES, SANITARY SEWERS, OR SEWAGE PUMPING STATIONS?

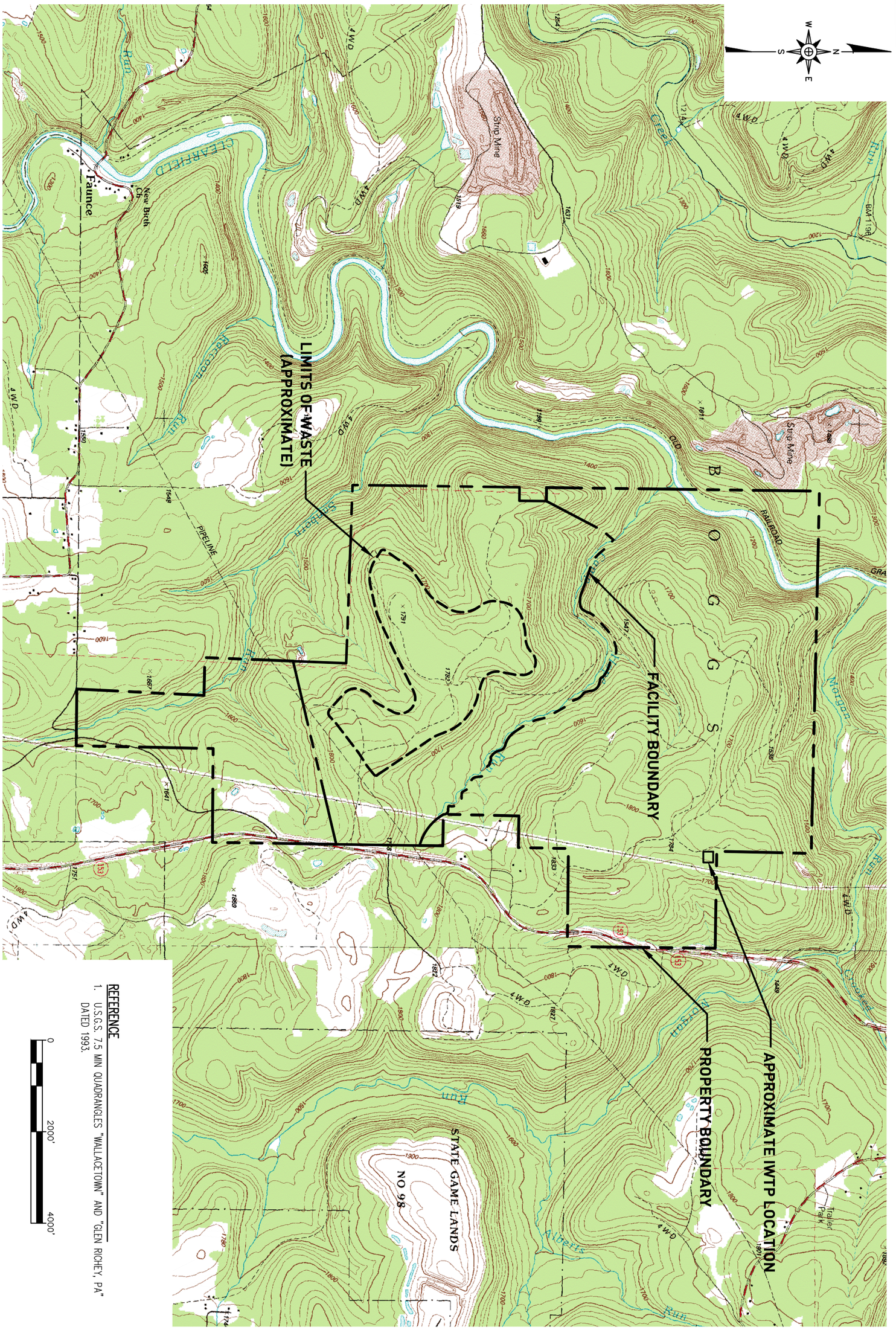
Yes. The facility will construct, maintain, and operate a sanitary system and sewage management system for the site employees. The general location of this facility is shown on **EXHIBIT GIF-1.1**. All necessary permits will be obtained from the PADEP for construction and operation of the planned IWTP sewage and for the discharge from the plant. This system will provide for all of the sewage handling needs for the site. The estimated peak flow from this proposed landfill is up to 50,000 gallons per day including anticipated sewage flows.

PHASE I APPLICATION
CAMP HOPE RUN LANDFILL
BOGGS TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA

FORM GIF
EXHIBIT GIF-1.1
Site Location Map

JUNE 2017

G:\CAD\Marshall Miller & Associates\Clearfield\Marshall-2\sheets\MARSHALL-B0014.dwg - 5/31/2017 3:09 PM



REFERENCE

1. U.S.G.S. 7.5 MIN QUADRANGLES "WALLACETOWN" AND "GLEN RICHEY, PA" DATED 1993.

0 2000' 4000'

PREPARED FOR:	DRAWN:	APPROVED:	SCALE:	FIGURE NO.	PREPARED BY:
CAMP HOPE RUN CLEARFIELD, PENNSYLVANIA LOCATION OF FACILITY	C.T.J.	W.M.B.	AS SHOWN	1	SMITH+GARDNER 14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577
	DATE: JUNE 2017	PROJECT NO: PAWASTE 16-1	FILENAME: MARSHALL-B0014		