

September 29, 2020

Ms. Laura M. Crowder, Director
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

*RE: Disposal Services, Inc. – Hurricane, West Virginia
Title V Operating Permit No. R30-07900103-2016
Title V Permit Renewal Application*

VIA E-MAIL: DEPAirQualityPermitting@wv.gov

Dear Ms. Crowder:

Enclosed please find a complete application for the renewal of the Title V Operating Permit (TVOP) referenced above for the Disposal Services Inc. Landfill (Landfill) in Hurricane, West Virginia. This facility is located in Putnam County, West Virginia. The Landfill is currently operating in accordance with West Virginia Department of Environmental Protection (WVDEP) Division of Air Quality Title V Operating Permit R30-07900103-2016 renewed on March 31, 2016. The Operating Permit expires on March 31, 2021.

The Landfill wishes to inform the WVDEP that the TVOP will need to be updated for consistency with the extensive rule changes within 45 CSR 23, which became effective June 1, 2018.¹ These rule changes were finalized when West Virginia developed an initial State Plan to address the Emission Guidelines (NSPS/EG) Subpart Cf in 2018.

Also, 40 CFR Subpart WWW actually will not apply to the Landfill after September 2021 due to recent NSPS and NESHAP rule changes for landfills. 45 CSR 23 will be the applicable regulation for the Landfill (unless future NMOC emissions exceed the NESHAP Subpart AAAA threshold of 50 Mg/yr).

Additionally, the Landfill has reviewed the current Title V Operating Permit terms and conditions as part of this renewal application. As a result of this review, the Landfill is not proposing any additional changes to the permit.

Attached with this cover letter, please find one (1) PDF copy of the complete permit application package, including a signed copy of the required signatory page. This package contains the following:

- ▶ Table of Contents
- ▶ Title V Permit Application Checklist

¹ Please also note that the public comment period for further rule changes (to 45 CSR 23), based on revisions to the federal performance and emission standards for MSW landfills, ended on July 28, 2020. Once finalized, these additional rule changes will likely need incorporation into this Title V Operating Permit Renewal.

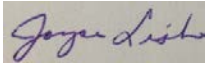
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- ▶ General Application Forms
- ▶ Attachment A – Area Map
- ▶ Attachment B – Plot Plan
- ▶ Attachment C – Process Flow Diagrams
- ▶ Attachment D – Title V Equipment Table
- ▶ Attachment E – Emission Unit Forms

If you need further clarification or information on any aspect of the renewal application, please contact me by phone at (412) 737-6568, or via email at jlish@trinityconsultants.com. Thank you for working with us in reviewing this submittal.

Sincerely,

TRINITY CONSULTANTS

A handwritten signature in blue ink that reads "Joyce Lish".

Joyce Lish
Senior Consultant

Enclosures:

CC: Michael Runner, Waste Management (via email)
Craig Arnold, Waste Management (via email)
Michael Trupin, Trinity Consultants (via email)

Division of Air Quality Permit Application Submittal

Please find attached a permit application for :
[Company Name; Facility Location]

- DAQ Facility ID (for existing facilities only):
- Current 45CSR13 and 45CSR30 (Title V) permits associated with this process (for existing facilities only):

Type of NSR Application (check all that apply):

- Construction
- Modification
- Class I Administrative Update
- Class II Administrative Update
- Relocation
- Temporary
- Permit Determination

Type of 45CSR30 (TITLE V) Application:

- Title V Initial
- Title V Renewal
- Administrative Amendment**
- Minor Modification**
- Significant Modification**
- Off Permit Change

****If the box above is checked, include the Title V revision information as ATTACHMENT S to the combined NSR/Title V application.**

Payment Type:

- Credit Card (Instructions to pay by credit card will be sent in the Application Status email.)
- Check (Make checks payable to: WVDEP – Division of Air Quality)

Mail checks to:
WVDEP – DAQ – Permitting
Attn: NSR Permitting Secretary
601 57th Street, SE
Charleston, WV 25304

Please wait until DAQ emails you the Facility ID Number and Permit Application Number. Please add these identifiers to your check or cover letter with your check.

If the permit writer has any questions, please contact (all that apply):

- Responsible Official/Authorized Representative

- Name:
- Email:
- Phone Number:

Company Contact

- Name:
- Email:
- Phone Number:

Consultant

- Name:
- Email:
- Phone Number:

TITLE V RENEWAL

Waste Management – Disposal Services, Inc.
Hurricane Landfill

Title V Permit Renewal Application/ Hurricane, West
Virginia

Prepared By:

TRINITY CONSULTANTS

Pittsburgh Office
4500 Brooktree Road
Suite 310
Wexford, PA 15090
(724) 935-2611

September 2020



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**TITLE V PERMIT APPLICATION CHECKLIST
FOR ADMINISTRATIVE COMPLETENESS**

<p>A complete application is demonstrated when all of the information required below is properly prepared, completed and attached. The items listed below are required information which must be submitted with a Title V permit application. Any submittal will be considered incomplete if the required information is not included.*</p>	
	A signed copy of the application (“Certification” page must be signed and dated by a Responsible Official as defined in 45CSR30)
	*Table of Contents (needs to be included but not for administrative completeness)
	Facility information
	Description of process and products, including NAICS and SIC codes, and including alternative operating scenarios
	Area map showing plant location
	Plot plan showing buildings and process areas
	Process flow diagram(s), showing all emission units, control equipment, emission points, and their relationships
	Identification of all applicable requirements with a description of the compliance status, the methods used for demonstrating compliance, and a Schedule of Compliance Form (ATTACHMENT F) for all requirements for which the source is not in compliance
	Listing of all active permits and consent orders (if applicable)
	Facility-wide emissions summary
	Identification of Insignificant Activities
	ATTACHMENT D – Title V Equipment Table completed for all emission units at the facility except those designated as insignificant activities
	ATTACHMENT E – Emission Unit Form completed for each emission unit listed in the Title V Equipment Table (ATTACHMENT D) and a Schedule of Compliance Form (ATTACHMENT F) for all requirements for which the emission unit is not in compliance
	ATTACHMENT G – Air Pollution Control Device Form completed for each control device listed in the Title V Equipment Table (ATTACHMENT D)
	ATTACHMENT H – Compliance Assurance Monitoring (CAM) Plan Form completed for each control device for which the “Is the device subject to CAM?” question is answered “Yes” on the Air Pollution Control Device Form (ATTACHMENT G)
	General Application Forms signed by a Responsible Official
	Confidential Information submitted in accordance with 45CSR31



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475

www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

Form with 10 sections: 1. Name of Applicant (Disposal Service, Inc.), 2. Facility Name or Location (Hurricane, WV), 3. DAQ Plant ID No. (079-00103), 4. Federal Employer ID No. (FEIN) (550618479), 5. Permit Application Type (Renewal), 6. Type of Business Entity (Corporation), 7. Is the Applicant the: (Both), 8. Number of onsite employees (6), 9. Governmental Code (Privately owned and operated; 0), 10. Business Confidentiality Claims (No).

11. Mailing Address		
Street or P.O. Box: P.O. Box 4514		
City: Charleston	State: WV	Zip: 25364-
Telephone Number: (304) 562-3262	Fax Number:	

12. Facility Location		
Street: 240 DSI Road	City: Hurricane	County: Putnam
UTM Easting: 410.86 km	UTM Northing: 4,250.24 km	Zone: <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
Directions: The facility is located on the right hand side of State Route 34 approximately ½ mile south of the intersection of State Route 34 and U.S. Route 60 near Hurricane in Putnam County.		
Portable Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is facility located within a nonattainment area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, for what air pollutants?	
Is facility located within 50 miles of another state? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name the affected state(s). Kentucky, Ohio	
Is facility located within 100 km of a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name the area(s).	
If no, do emissions impact a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
¹ Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.		

13. Contact Information		
Responsible Official: Adam Finley		Title: Director of Disposal Operations
Street or P.O. Box: 100 Rangos Lane		
City: Washington	State: PA	Zip: 15301-
Telephone Number: (724) 206-7940	Fax Number:	
E-mail address: afinley@wm.com		
Environmental Contact: Michael Runner		Title: Mgr. Environmental Protection
Street or P.O. Box: 1488 Dawson Drive, Suite 101		
City: Bridgeport	State: WV	Zip: 26330-
Telephone Number: (681) 758-5719	Fax Number:	
E-mail address: mrunner@wm.com		
Application Preparer: Joyce Lish		Title: Senior Consultant
Company: Trinity Consultants, Inc.		
Street or P.O. Box: 4500 Brooktree Road, Suite 310		
City: Wexford	State: PA	Zip: 15090-
Telephone Number: (412)737-6568	Fax Number:	
E-mail address: jlish@trinityconsultants.com		

14. Facility Description

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Sanitary Landfill	Waste disposal	562212	4953

Provide a general description of operations.

Disposal Service, Inc. (DSI) sanitary landfill is comprised of approximately 335.3 acres which includes two disposal areas (covering 84.7 acres) and support facilities. The disposal areas are commonly referred to as Phase I and Phase II. Phase I has a design capacity of 4,618,263 Mg on 44.5 acres for disposal operations. A Phase II disposal area (future) is 40.2 acres with a design capacity of 4,618,574 Mg. The landfill has the potential to receive approximately 500 tons of waste per day. Waste is brought to the landfill by truck and disposed. The waste is spread and compacted with soil placed over the active area each day for cover. The landfill also has 20 vent flares for odor control (which are utilized as needed), a 10,000 gallon above ground tank for diesel fuel, and a leachate storage pond.

15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.

16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan - Guidelines."

17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

Section 2: Applicable Requirements

18. Applicable Requirements Summary	
Instructions: Mark all applicable requirements.	
<input type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input checked="" type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input type="checkbox"/> NESHAP (45CSR34)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input checked="" type="checkbox"/> Section 111 NSPS	<input type="checkbox"/> Section 112(d) MACT standards
<input type="checkbox"/> Section 112(g) Case-by-case MACT	<input type="checkbox"/> 112(r) RMP
<input type="checkbox"/> Section 112(i) Early reduction of HAP	<input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e)
<input type="checkbox"/> Section 129 Standards/Reqts.	<input type="checkbox"/> Stratospheric ozone (Title VI)
<input type="checkbox"/> Tank vessel reqt., section 183(f)	<input type="checkbox"/> Emissions cap 45CSR§30-2.6.1
<input type="checkbox"/> NAAQS, increments or visibility (temp. sources)	<input type="checkbox"/> 45CSR27 State enforceable only rule
<input checked="" type="checkbox"/> 45CSR4 State enforceable only rule	<input type="checkbox"/> Acid Rain (Title IV, 45CSR33)
<input type="checkbox"/> Emissions Trading and Banking (45CSR28)	<input type="checkbox"/> Compliance Assurance Monitoring (40CFR64)
<input type="checkbox"/> CAIR NO _x Annual Trading Program (45CSR39)	<input type="checkbox"/> CAIR NO _x Ozone Season Trading Program (45CSR40)
<input type="checkbox"/> CAIR SO ₂ Trading Program (45CSR41)	

19. Non Applicability Determinations
<p>List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.</p> <p>40CFR60.757(a)(3) and corresponding State Regulation. The design capacity of this facility is greater than 2.5 million megagrams and 2.5 million cubic meters. Therefore, amended design capacity reports are not required. 40CFR64.</p> <p>40 CFR 63, Subpart AAAA—NESHAP for Municipal Solid Waste Landfills: This facility is not subject to AAAA because: This MSW landfill is not a major source of HAPs; The MSW landfill is not collocated with a major source of HAPs; The MSW landfill is an area source with a design capacity equal to or greater than 2.5 million megagrams (Mg) and 2.5 million cubic meters (m³) and has estimated uncontrolled emissions less than 50 megagrams per year (Mg/yr) NMOC; This MSW landfill does not include a bioreactor, as defined in 40 C.F.R §63.1990.</p>
<input checked="" type="checkbox"/> Permit Shield

19. Non Applicability Determinations (Continued) - Attach additional pages as necessary.

List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.

Permit Shield

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

- 45CSR§6-3.1. – Open burning
- 45CSR§6-3.2. – Open burning exemptions
- 40 C.F.R. §61.145(b) and 45CSR34 – Asbestos
- 45CSR§4-3.1. State-Enforceable only – Odor
- 45CSR§11-5.2. – Standby plan for reducing emissions
- W.Va. Code § 22-5-4(a)(14) – Emission inventory
- 40 C.F.R. 82, Subpart F – Ozone-depleting substances
- 45CSR§17-3.1. – Fugitive particulate matter
- 45CSR§17-3.2. & 4.1. – Fugitive particulate matter control

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- W.Va. Code § 22-5-4(a)(15) and 45CSR13 – Stack testing
- 45CSR§30-5.1.c.2.A. – Monitoring information
- 45CSR§30-5.1.c.2.B. – Retention of records
- 45CSR§30-5.1.c. State-Enforceable only – Odors
- 45CSR§30-5.1.c. Monitor dust control systems and maintain records of dust control
- 45CSR§§30-4.4. and 5.1.c.3.D. – Responsible official
- 45CSR§30-5.1.c.3.E. – Reporting requirements for confidential information
- 45CSR§30-8. – Certified emissions statement
- 45CSR§30-5.3.e. – Compliance certification
- 45CSR§30-5.1.c.3.A. – Semi-annual monitoring reports
- 45CSR§30-5.1.c.3.C. - Deviations
- 45CSR§30-5.1.c.3.B. – Reporting of deviations
- 45CSR§30-4.3.h.1.B. – New applicable requirements

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements (Continued) - Attach additional pages as necessary.

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	33.83
Nitrogen Oxides (NO _x)	1.3
Lead (Pb)	
Particulate Matter (PM _{2.5}) ¹	8.21
Particulate Matter (PM ₁₀) ¹	21.30
Total Particulate Matter (TSP)	113.65
Sulfur Dioxide (SO ₂)	0.6
Volatile Organic Compounds (VOC)	38.62
Hazardous Air Pollutants ²	Potential Emissions
Total HAPs (each HAP < 10tpy)	<25
Regulated Pollutants other than Criteria and HAP	Potential Emissions
Hydrogen Sulfide	2.98
Carbon Dioxide (CO ₂)	53,471
Methane	19,488

¹PM_{2.5} and PM₁₀ are components of TSP.
²For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

Section 4: Insignificant Activities

24. Insignificant Activities (Check all that apply)	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input checked="" type="checkbox"/>	2. Air contaminant detectors or recorders, combustion controllers or shutoffs.
<input checked="" type="checkbox"/>	3. Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
<input checked="" type="checkbox"/>	4. Bathroom/toilet vent emissions.
<input checked="" type="checkbox"/>	5. Batteries and battery charging stations, except at battery manufacturing plants.
<input checked="" type="checkbox"/>	6. Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
<input type="checkbox"/>	7. Blacksmith forges.
<input type="checkbox"/>	8. Boiler water treatment operations, not including cooling towers.
<input checked="" type="checkbox"/>	9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
<input type="checkbox"/>	10. CO ₂ lasers, used only on metals and other materials which do not emit HAP in the process.
<input checked="" type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input checked="" type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input checked="" type="checkbox"/>	13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
<input checked="" type="checkbox"/>	14. Demineralized water tanks and demineralizer vents.
<input checked="" type="checkbox"/>	15. Drop hammers or hydraulic presses for forging or metalworking.
<input type="checkbox"/>	16. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
<input type="checkbox"/>	17. Emergency (backup) electrical generators at residential locations.
<input checked="" type="checkbox"/>	18. Emergency road flares.
<input checked="" type="checkbox"/>	<p>19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO₂, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:</p> <p><u>Chippers</u></p> <p><u>Rock crushers</u></p> <p><u>Portable compressors</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

24. Insignificant Activities (Check all that apply)	
<input type="checkbox"/>	20. Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27. Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis: _____ _____ _____ _____ _____
<input type="checkbox"/>	21. Environmental chambers not using hazardous air pollutant (HAP) gases.
<input checked="" type="checkbox"/>	22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
<input type="checkbox"/>	23. Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
<input checked="" type="checkbox"/>	24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
<input checked="" type="checkbox"/>	25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
<input checked="" type="checkbox"/>	26. Fire suppression systems.
<input checked="" type="checkbox"/>	27. Firefighting equipment and the equipment used to train firefighters.
<input checked="" type="checkbox"/>	28. Flares used solely to indicate danger to the public.
<input checked="" type="checkbox"/>	29. Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
<input checked="" type="checkbox"/>	30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
<input checked="" type="checkbox"/>	31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
<input type="checkbox"/>	32. Humidity chambers.
<input checked="" type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input checked="" type="checkbox"/>	34. Indoor or outdoor kerosene heaters.
<input checked="" type="checkbox"/>	35. Internal combustion engines used for landscaping purposes.
<input type="checkbox"/>	36. Laser trimmers using dust collection to prevent fugitive emissions.
<input checked="" type="checkbox"/>	37. Laundry activities, except for dry-cleaning and steam boilers.
<input checked="" type="checkbox"/>	38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
<input type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.

24. Insignificant Activities (Check all that apply)	
<input checked="" type="checkbox"/>	41. Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
<input checked="" type="checkbox"/>	42. Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
<input checked="" type="checkbox"/>	43. Process water filtration systems and demineralizers.
<input checked="" type="checkbox"/>	44. Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
<input checked="" type="checkbox"/>	45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
<input type="checkbox"/>	46. Routing calibration and maintenance of laboratory equipment or other analytical instruments.
<input type="checkbox"/>	47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
<input type="checkbox"/>	48. Shock chambers.
<input type="checkbox"/>	49. Solar simulators.
<input checked="" type="checkbox"/>	50. Space heaters operating by direct heat transfer.
<input checked="" type="checkbox"/>	51. Steam cleaning operations.
<input type="checkbox"/>	52. Steam leaks.
<input type="checkbox"/>	53. Steam sterilizers.
<input type="checkbox"/>	54. Steam vents and safety relief valves.
<input checked="" type="checkbox"/>	55. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
<input checked="" type="checkbox"/>	56. Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
<input checked="" type="checkbox"/>	57. Such other sources or activities as the Director may determine.
<input checked="" type="checkbox"/>	58. Tobacco smoking rooms and areas.
<input checked="" type="checkbox"/>	59. Vents from continuous emissions monitors and other analyzers.

Section 5: Emission Units, Control Devices, and Emission Points

25. Equipment Table

Fill out the **Title V Equipment Table** and provide it as **ATTACHMENT D**.

26. Emission Units

For each emission unit listed in the **Title V Equipment Table**, fill out and provide an **Emission Unit Form** as **ATTACHMENT E**.

For each emission unit not in compliance with an applicable requirement, fill out a **Schedule of Compliance Form** as **ATTACHMENT F**.

27. Control Devices

For each control device listed in the **Title V Equipment Table**, fill out and provide an **Air Pollution Control Device Form** as **ATTACHMENT G**.

For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the **Compliance Assurance Monitoring (CAM) Form(s)** for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as **ATTACHMENT H**.

Section 6: Certification of Information

28. Certification of Truth, Accuracy and Completeness and Certification of Compliance

Note: This Certification must be signed by a responsible official. The original, signed in blue ink, must be submitted with the application. Applications without an original signed certification will be considered as incomplete.

a. Certification of Truth, Accuracy and Completeness

I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.

b. Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

Responsible official (type or print)

Name: Adam Finley

Title: Director of Disposal Operations

Responsible official's signature:

Signature:  Signature Date: 9/29/20
(Must be signed and dated in blue ink)

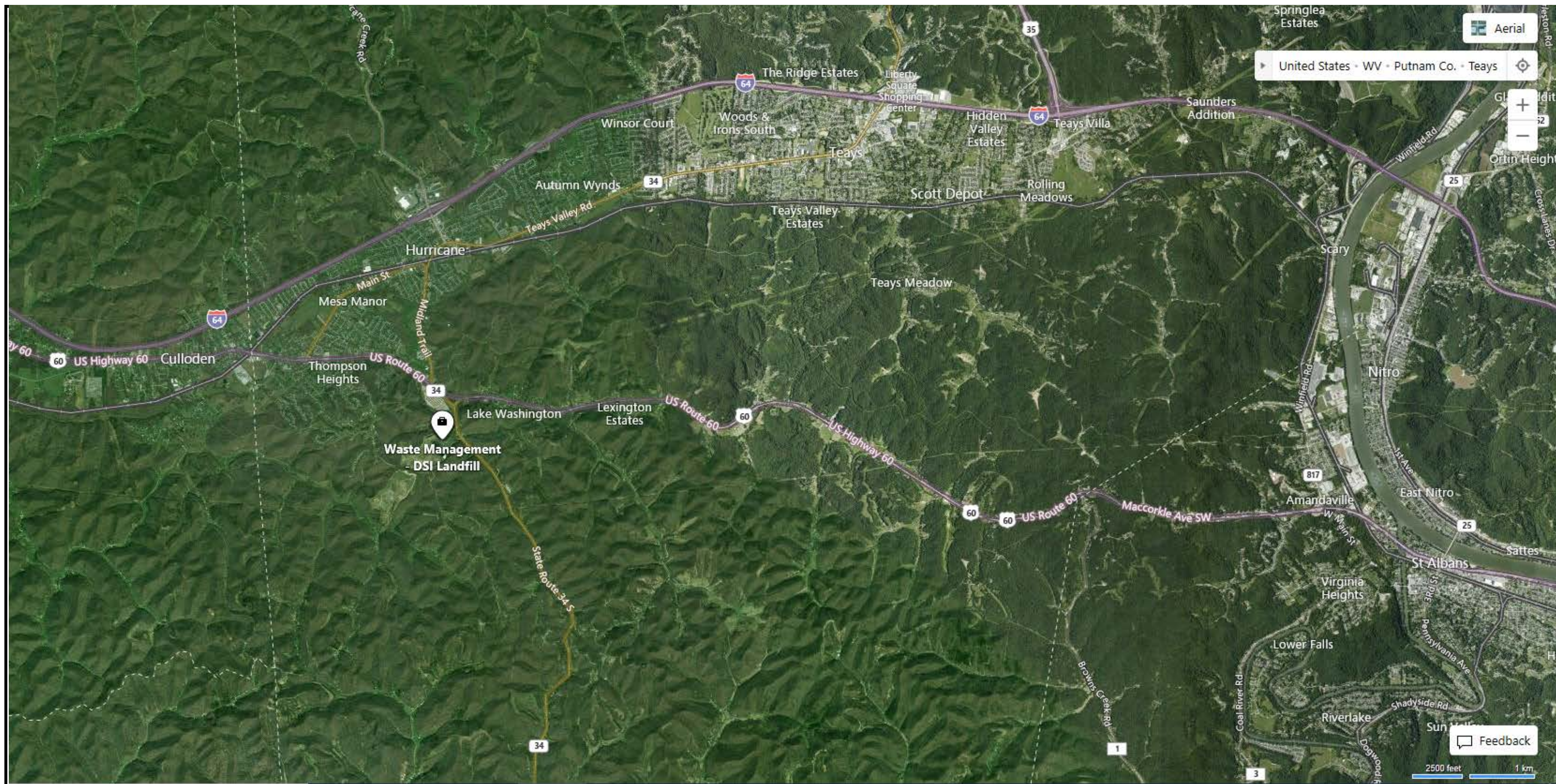
Note: Please check all applicable attachments included with this permit application:

<input checked="" type="checkbox"/>	ATTACHMENT A: Area Map
<input checked="" type="checkbox"/>	ATTACHMENT B: Plot Plan(s)
<input checked="" type="checkbox"/>	ATTACHMENT C: Process Flow Diagram(s)
<input checked="" type="checkbox"/>	ATTACHMENT D: Equipment Table
<input checked="" type="checkbox"/>	ATTACHMENT E: Emission Unit Form(s)
<input type="checkbox"/>	ATTACHMENT F: Schedule of Compliance Form(s)
<input checked="" type="checkbox"/>	ATTACHMENT G: Air Pollution Control Device Form(s)
<input type="checkbox"/>	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)


All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/dag, requested by phone (304) 926-0475, and/or obtained through the mail.

Page ____ of ____

ATTACHMENT A
Area Map

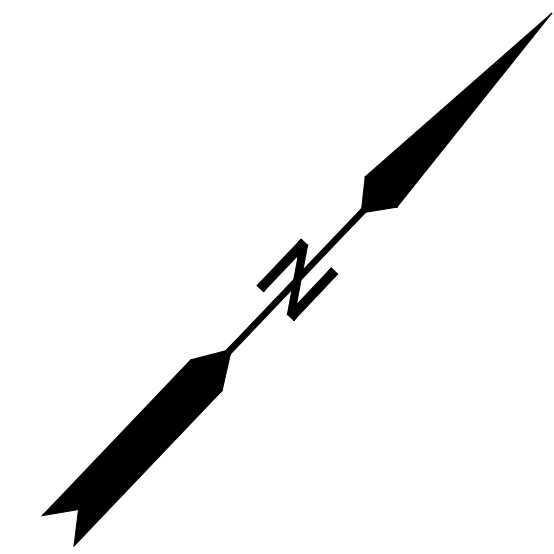
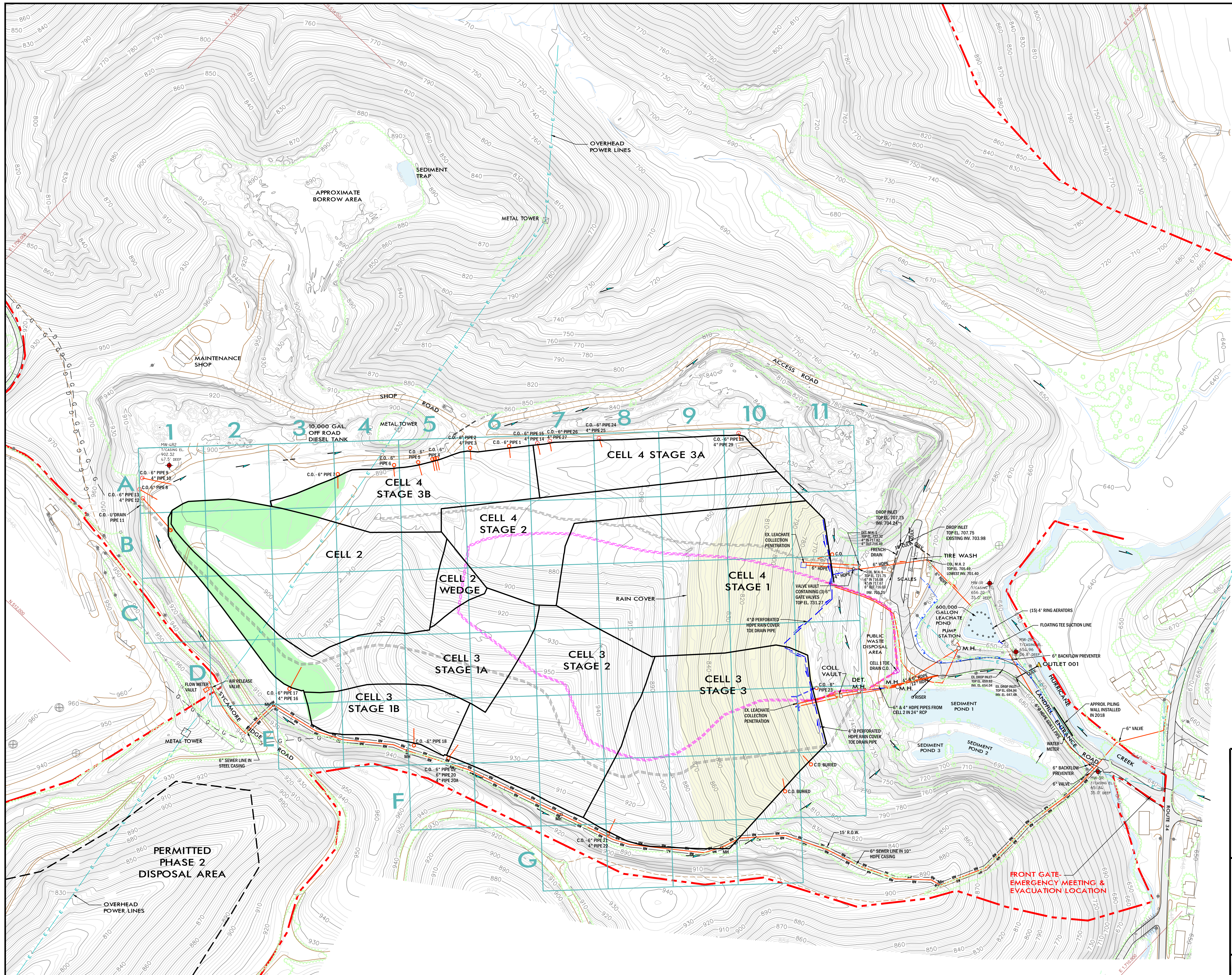


Title: Area Map

 <p>PREPARED BY TRINITY CONSULTANTS</p>	<p>Waste Management - Disposal Services, Inc. Landfill Hurricane, West Virginia</p>	<p>PROJECT 203901.0073</p>	<p>DATE September 2020</p>	<p>SHEET 1 of 1</p>	<p>REV 001</p>
---	---	--------------------------------	--------------------------------	-------------------------	--------------------

ATTACHMENT B

Plot Plan(s)



LEGEND

- PROPERTY LINE
- EXISTING TOPO CONTOURS
- APPROXIMATE TREE LINE
- EXISTING CELL BOUNDARIES
- LIMIT OF FUTURE PERMITTED WASTE DISPOSAL AREA
- WATER
- STORMWATER FLOW ARROW
- LEACHATE OR SEWER PIPE
- LEACHATE FLOW ARROW
- LEACHATE CLEAN-OUT
- C.O.
- GROUNDWATER UNDERDRAIN
- CELL 1 TOE DRAIN
- OVERHEAD POWER LINE
- GAS PIPELINE
- 1" WATER LINE
- MW-2R MONITORING WELL
- RAIN COVER
- CLOSURE CAP
- PAVED SURFACE
- UNPAVED LOT OR ROAD
- TRAIL
- FENCE
- RAIN COVER TOE DRAIN

REFERENCE:
1. BASE TOPOGRAPHY TAKEN FROM AN AERIAL SURVEY BY SOUTHERN RESOURCES MAPPING CORP. OF NORTHPORT, ALABAMA FLOWN ON APRIL 20, 2018.

WM
WASTE MANAGEMENT
DISPOSAL SERVICE, INC.
LANDFILL
FACILITY PLAN

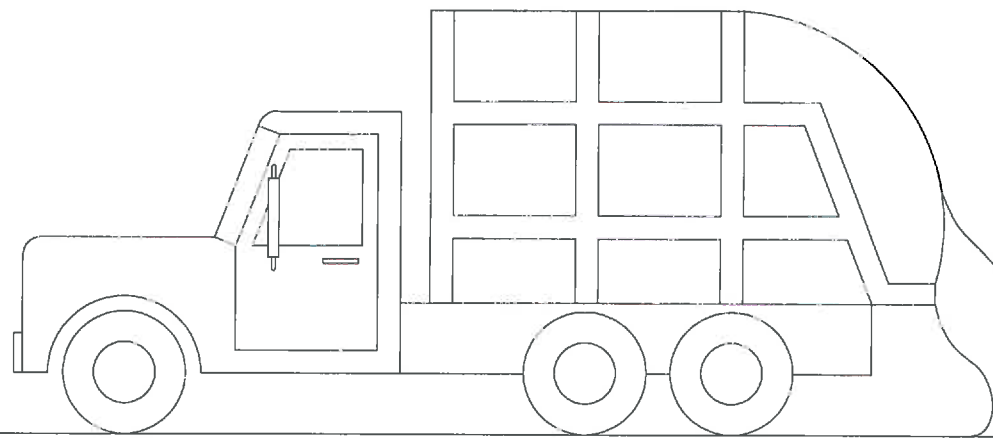
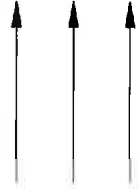
CEN TEC
ENGINEERING, PLLC

CIVIL and ENVIRONMENTAL ENGINEERS

JANUARY 2019 SCALE: 1" = 130'

ATTACHMENT C
Process Flow Diagram(s)

FUGITIVE
ROAD
DUST

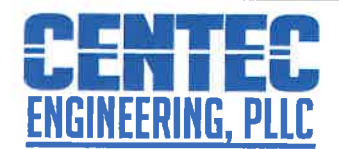


LANDFILL
GAS
EMISSIONS



MUNICIPAL
SOLID
WASTE

110 SUNSET DRIVE, STE. 2
BECKLEY, WV 25801
304-929-2632
centec-engineering.com



CIVIL and ENVIRONMENTAL ENGINEERS

REV.	DESCRIPTION	BY

**PROCESS FLOW DIAGRAM
TITLE V RENEWAL**

DISPOSAL SERVICES INC.
SANITARY LANDFILL

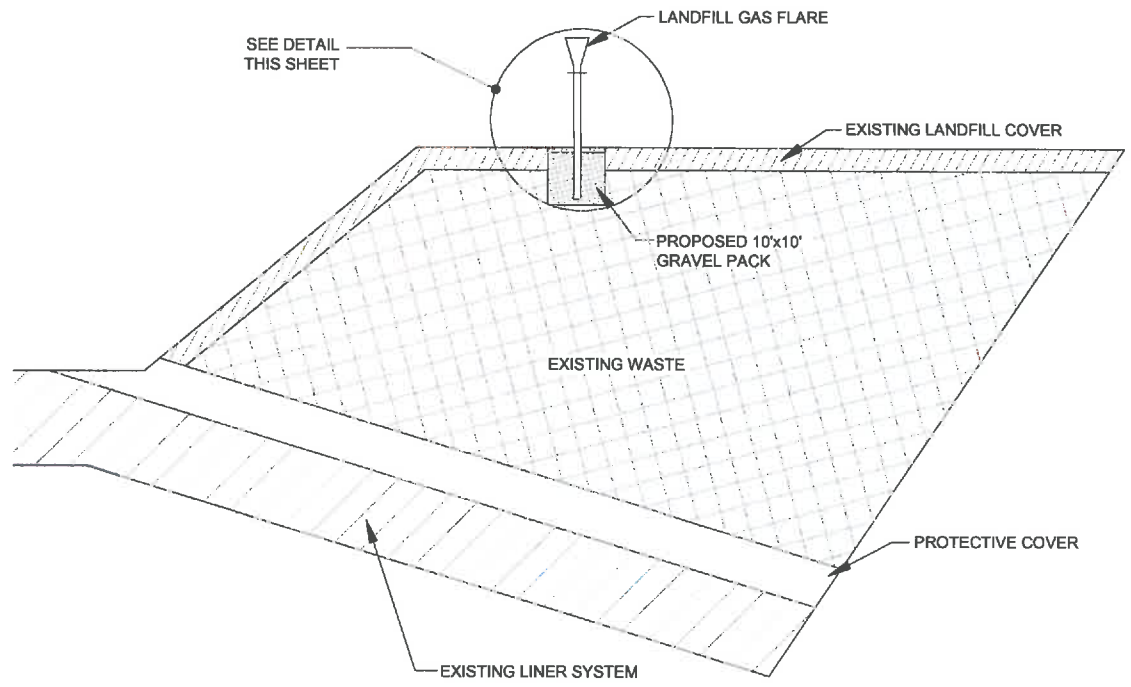
WASTE MANAGEMENT
HURRICANE, WEST VIRGINIA

DRAWN BY:	CTD	07-12-2010
CHECKED BY:		
APPROVED BY:		

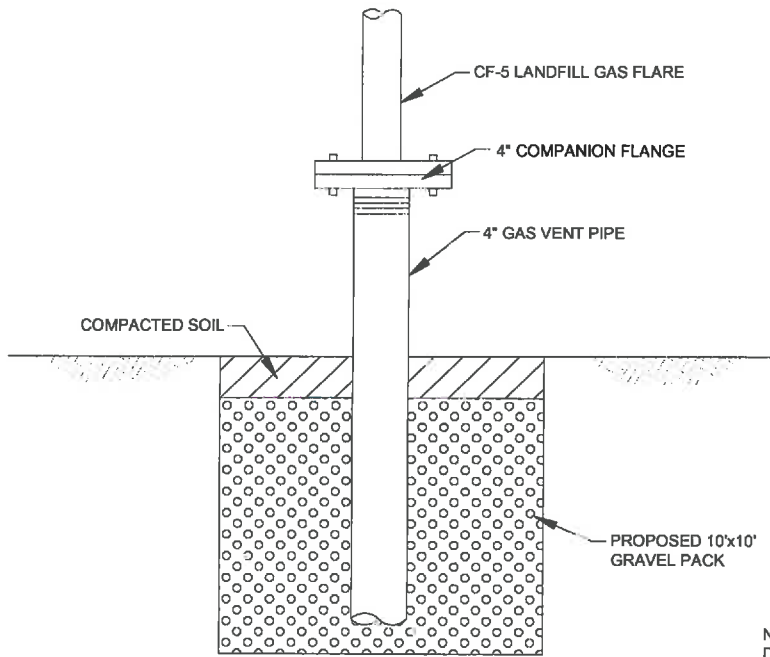
PROJECT NUMBER
10-008-108

ATTACHMENT C

DRAWING NO. 10-009-A2



GAS VENT FLARE DETAIL
NOT TO SCALE



**GAS VENT TO GAS FLARE
CONNECTION DETAIL**
NOT TO SCALE

NOTE: A SIMILAR CONNECTION
DETAIL WILL ALSO BE USED FOR
THE GAS EXTRACTION WELLS.

110 SUNSET DRIVE, STE. 2
BECKLEY, WV 25801
304-929-2632
centec-engineering.com

**CEN
TEC**
ENGINEERING, PLLC

CIVIL and ENVIRONMENTAL ENGINEERS

REV.	DESCRIPTION	DATE

**GAS FLARE
DETAILS**

TITLE V RENEWAL
DISPOSAL SERVICE, INC. LANDFILL

WASTE MANAGEMENT
HURRICANE, WEST VIRGINIA

DRAWN BY:	CTD	10-19-2010
CHECKED BY:		
APPROVED BY:		

PROJECT NUMBER
10-009-106

ATTACHMENT B1

DRAWING NO. 10-009-D25

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 001, 003	Emission unit name: Landfill Operations	List any control devices associated with this emission unit: 01C-20C
---	---	--

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Active (Phase I) landfill area (001)
Future (Phase II) landfill area (003)

Manufacturer: NA	Model number: NA	Serial number: NA
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Construction date: 1980	Installation date: MM/DD/YYYY	Modification date(s): MM/DD/YYYY
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Design capacity of Phase I is 4,133,263 Mg
Design capacity of Phase II is 4,618,574 Mg

Maximum Hourly Throughput: NA	Maximum Annual Throughput: NA	Maximum Operating Schedule: 8,760 hr/yr
---	---	---

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
---	--

Maximum design heat input and/or maximum horsepower rating: NA	Type and Btu/hr rating of burners: NA
--	---

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

NA

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA	NA	NA	NA

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		9.53
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		7.61
Particulate Matter (PM ₁₀)		20.7
Total Particulate Matter (TSP)		113.05
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		38.59
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Total		<25
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Hydrogen Sulfide		2.98
Carbon Dioxide		53471
Methane		19488
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>USEPA LandGEM 3.02 software with regulatory default values, and AP-42 Chapters 11.9.1, 13.2.1, 11.2.2, and 11.2.4.</p>		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR23, 40CFR60.757, and 40CFR60.754(a)(2). Requirements When Reported NMOC Emission Rate is \geq 50 Mg/yr.

45CSR23, 40CFR60.757, and 40CFR60.754(a)(3). Requirements When Reported NMOC Emission Rate is \geq 50 Mg/yr. (when using site specific C_{NMOC})

45CSR23, 40CFR60.752, and 40CFR60.753. Standards for Landfill and Gas Collection and Control. Design parameters for a landfill gas collection and control system which conforms to 40CFR60.759. Standards applicable once over 50 Mg/yr threshold.

45CSR23, 40CFR60.757(c). LFG Collection and Control System Design Plan.

45CSR23, 40CFR60.755 – Compliance Provisions (when over 50 Mg/yr threshold).

Note: 45CSR23 has been revised and is no longer consistent with the current operating permit. The facility will work with WVDEP to determine applicable changes (including a revised NMOC “threshold” of 34 Mg/yr).

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

45CSR23, 40CFR60.758. Keep records of all emission data and operating parameters such as maximum design capacity, amount of refuse in place, and yearly refuse accumulation rate; nondegradable refuse, vents, wells and flares. Keep for 5 years.

45CSR23, 40CFR60.757(b)(1)(ii) – 5-year NMOC Report.

45CSR23, 40CFR60.757(b)(1)(ii). Revision of 5-year NMOC Report.

45CSR23, 40CFR60.757(b) – Annual NMOC Emission Report.

45CSR23, 40CFR60.758 and 40 CFR 60.757(d) - Closure Report

Note: 45CSR23 has been revised and is no longer consistent with the current operating permit. The facility will work with WVDEP to determine applicable changes (including a revised NMOC “threshold” of 34 Mg/yr).

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 01C through 20C	Emission unit name: Passive Landfill Gas Vents	List any control devices associated with this emission unit:
--	--	---

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
 The vent flares are designed to operate between 5 and 50 SCFM of landfill gas. The flare will typically burn in less than 5% oxygen and between 40% and 60% methane. When operating at the design flow rate, the flare will achieve 98% destruction of hydrocarbons. The flare is warranted to meet EPA emission standards for landfill gas disposal in utility flares.

Manufacturer: Varies	Model number: 2-inch Vent Flare	Serial number:
--------------------------------	---	-----------------------

Construction date: MM/DD/YYYY	Installation date: MM/DD/YYYY	Modification date(s): MM/DD/YYYY
---	---	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 50 cfm of landfill gas each

Maximum Hourly Throughput: 3,000 cubic feet per hour each	Maximum Annual Throughput: 26.28 mmcf/yr each	Maximum Operating Schedule: 8760 hours/year
---	---	---

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners: NA
--	---

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

3,000 cubic feet per hour of landfill gas per flare. 60,000 cu ft/hr for all 20.
 26.28 mmcf per year of landfill gas per flare. 525.6 mmcf per year for all 20.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Landfill Gas	NA	NA	Minimum 200

Emissions Data			
Criteria Pollutants	Potential Emissions		
	PPH	TPY	
Carbon Monoxide (CO)		24.3	
Nitrogen Oxides (NO _x)		1.3	
Lead (Pb)			
Particulate Matter (PM _{2.5})		0.6	
Particulate Matter (PM ₁₀)		0.6	
Total Particulate Matter (TSP)		0.6	
Sulfur Dioxide (SO ₂)		0.6	
Volatile Organic Compounds (VOC)		0.03	
Hazardous Air Pollutants	Potential Emissions		
	PPH	TPY	
HCl		0.8	
Regulated Pollutants other than Criteria and HAP	Potential Emissions		
	PPH	TPY	
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>45CSR13, R13-2688 emission limits.</p> <p>Emissions are potential to emit for a total of 20 flares.</p>			

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR6-4.1., 45CSR10-5.1., R13-2688, 4.1.1.a.. Emission limits.

45CSR6-4.3., R13-2688 4.1.1.b. Visible emissions.

45CSR6-4.4., R13-2688 4.1.1.b. Visible emissions exceptions.

45CSR13-5.11., R13-2688, 4.1.2. Operation and Maintenance of Air Pollution Control Equipment.

45CSR6-4.5. The emission of particles of unburned or partially burned refuse of ash from the flare which are large enough to be individually distinguished in the open air shall not be allowed or permitted.

45CSR6-4.6. The flares, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.

45CSR6-6.1. Obtain a permit if flares are modified or relocated.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

45CSR13, R13-2688, 4.2.1. Monthly Method 22 visible emission checks shall be conducted to determine compliance with opacity limits.

45CSR13, R13-2688, 4.4.1. The permittee shall maintain records of all monitoring data required for opacity.

45CSR13, R13-2688, 4.4.2. Record of maintenance of air pollution control equipment.

45CSR13, R13-2688, 4.4.3. Record of malfunctions of air pollution control equipment.

45CSR13, R13-2688, 4.4.4. Maintain records of all monitoring data.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 002	Emission unit name: Leachate Pond	List any control devices associated with this emission unit: NA
--	---	---

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Leachate Pond

Manufacturer:	Model number:	Serial number:
----------------------	----------------------	-----------------------

Construction date: MM/DD/1980s	Installation date: MM/DD/YYYY	Modification date(s): MM/DD/YYYY
--	---	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 673,000 gallons

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 24 hrs/day, 365 days/year
-----------------------------------	-----------------------------------	---

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
---	--

Maximum design heat input and/or maximum horsepower rating: NA	Type and Btu/hr rating of burners: NA
--	---

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

NA

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 004	Emission unit name: Diesel Fuel Tank	List any control devices associated with this emission unit: NA
--	--	---

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Storage tank for diesel fuel

Manufacturer:	Model number:	Serial number:
----------------------	----------------------	-----------------------

Construction date: MM/DD/YYYY	Installation date: MM/DD/YYYY	Modification date(s): MM/DD/YYYY
---	---	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 10,000 gallons

Maximum Hourly Throughput:	Maximum Annual Throughput:	Maximum Operating Schedule: 24 hrs/day, 365 days/year
-----------------------------------	-----------------------------------	---

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <u> X </u> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
--	--

Maximum design heat input and/or maximum horsepower rating: NA	Type and Btu/hr rating of burners: NA
--	---

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
NA

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO _x)		
Lead (Pb)		
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)		
Volatile Organic Compounds (VOC)		0.0036
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

USEPA TANKS 4.0

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number:	List all emission units associated with this control device.	
01C – 20C	01E – 20E	

Manufacturer:	Model number:	Installation date:
Shaw LFG Specialties, LLC	Standard 2-inch Vent Flare	2011

Type of Air Pollution Control Device:

<input type="checkbox"/> Baghouse/Fabric Filter	<input type="checkbox"/> Venturi Scrubber	<input type="checkbox"/> Multiclone
<input type="checkbox"/> Carbon Bed Adsorber	<input type="checkbox"/> Packed Tower Scrubber	<input type="checkbox"/> Single Cyclone
<input type="checkbox"/> Carbon Drum(s)	<input type="checkbox"/> Other Wet Scrubber	<input type="checkbox"/> Cyclone Bank
<input type="checkbox"/> Catalytic Incinerator	<input type="checkbox"/> Condenser	<input type="checkbox"/> Settling Chamber
<input type="checkbox"/> Thermal Incinerator	<input checked="" type="checkbox"/> Flare	<input type="checkbox"/> Other (describe) _____
<input type="checkbox"/> Wet Plate Electrostatic Precipitator		<input type="checkbox"/> Dry Plate Electrostatic Precipitator

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
VOC		98%

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Maximum 50 cfm of landfill gas can be burned per flare. Minimum Btu value is 200.

Is this device subject to the CAM requirements of 40 C.F.R. 64? Yes No

If Yes, **Complete ATTACHMENT H**

If No, **Provide justification.**

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Method 22-like visible emissions checks. Presence of a flame.