

Fact Sheet



For Final Renewal Permitting Action Under 45CSR30 and Title V of the Clean Air Act

Permit Number: **R30-07900103-2016**
Application Received: **October 1, 2015**
Plant Identification Number: **079-00103**
Permittee: **Disposal Service, Inc.**
Mailing Address: **P. O. Box 448, Hurricane, WV 25526**

Revised: N/A

Physical Location: Hurricane, Putnam County, West Virginia
UTM Coordinates: 410.86 km Easting • 4250.24 km Northing • Zone 17
Directions: On the right hand side of State Route 34, approximately 1/2 mile south of the intersection of State Route 34 and U.S. Route 60 near Hurricane in Putnam County.

Facility Description

The Disposal Service, Inc. (DSI) sanitary landfill (NAICS 562212, SIC 4953) 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 4,133,263 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. As Phase I approaches capacity, Phase II will be opened to continue waste disposal operations. The landfill accepts an average of 500 tons per day. Phase I is expected to reach capacity in year 2021, Phase II is assumed to reach its design capacity in year 2074.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Regulated Pollutants	Potential Emissions	2014 Actual Emissions
Carbon Monoxide (CO)	33.83	3.30
Nitrogen Oxides (NO _x)	1.3	0.59
Particulate Matter (PM _{2.5})	8.21	Included in TSP
Particulate Matter (PM ₁₀)	21.30	Included in TSP
Total Particulate Matter (TSP)	113.65	81.47
Sulfur Dioxide (SO ₂)	0.6	0
Volatile Organic Compounds (VOC)	38.62	9.66

PM₁₀ is a component of TSP.

Hazardous Air Pollutants	Potential Emissions	2014 Actual Emissions
Total HAPs (Each HAP < 10 TPY)	25.13	6.09

Some of the above HAPs may be counted as PM or VOCs.

Title V Program Applicability Basis

This facility has the potential to emit 25.13 TPY of Total HAPs. Additionally, this facility has a design capacity over 2.5 million megagrams and 2.5 million cubic meters. Due to this facility's design capacity and potential to emit over 25 tons per year of aggregate HAPs, Disposal Service, Inc. is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR6	Open burning prohibited.
	45CSR10	Emissions of sulfur oxides.
	45CSR11	Standby plans for emergency episodes.
	45CSR13	NSR permitting
	45CSR17	To Prevent and Control Particulate Matter Air Pollution from Materials Handling, Preparation, Storage and other sources of Fugitive Particulate Matter
	45CSR23	To Prevent and Control Emissions from Municipal Solid Waste Landfills
	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	45CSR34	Emissions standards for HAPs

	40 C.F.R. Part 60 Subpart WWW	Standard of Performance for Municipal Solid Waste Landfills
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 63, Subpart AAAA	NESHAP for Municipal Solid Waste Landfills
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
State Only:	45CSR4	No objectionable odors.

Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-2688	1/30/2007	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table," which may be downloaded from DAQ's website.

Determinations and Justifications

Previously Registered under the General Permit

Previously, this facility had been registered under the General Permit for Municipal Solid Waste Landfills (R30-MSWLGP-2011-07900103). With this renewal, the facility was not registered under the General Permit, and the General Permit for Landfills will not be renewed. Instead, it was issued a standard Title V Operating Permit. This required numerous formatting changes and the permit was rewritten for the standard Title V permit format.

Section 4.0: Requirements for Landfill Areas

Section 4.0 of this permit was written to address the Phase I-Active 44.5 Acre Landfill area (Emission Unit ID: 001) and the planned Phase II-Future 40.2 Acre Landfill area (Emission Unit ID: 003). The table below summarizes each permit condition's contents, and regulatory citations:

Condition Number	Summary of Requirements	Regulatory Citation
4.1.1	Requirements When Reported NMOC Emission Rate is \geq 50 Mg/yr.	45CSR23, 40 C.F.R. § 60.757, 40 C.F.R. § 60.754(a)(3)
4.1.2	Requirements When Reported NMOC Emission Rate is \geq 50 Mg/yr. (when using site specific C_{NMOC})	45CSR23, 40 C.F.R. § 60.757, 40 C.F.R. § 60.754(a)(4)
4.1.3	Landfill Gas collection and control system	45CSR23, 40 C.F.R. § 60.752, 40 C.F.R. § 60.753
4.1.4	LFG Collection and Control System Design Plan	45CSR23, 40 C.F.R. § 60.757(c)
4.1.5	Comply with 40CFR60, Subpart WWW	45CSR34, 40 C.F.R. § 63.1955(a)(1)
4.1.6	Collection and control system MACT requirements	45CSR34, 40 C.F.R. § 63.1955(b)
4.1.7	Approval of collection and control systems	45CSR34, 40 C.F.R. § 63.1955(c)
4.1.8	MACT compliance demonstration	45CSR34, 40 C.F.R. § 63.1960
4.4.1	Records of all emission data and operating parameters	40 C.F.R. §60.758
4.4.2	Records and reports as specified in 40 C.F.R. Part 60 Subpart WWW or EPA approved State plan	45CSR34, 40 C.F.R. § 63.1980(a)
4.4.3	Records and reports as specified in the general provisions of 40 C.F.R. Part 60 and 40 C.F.R. Part 63 Subpart AAAA, Table 1	45CSR34, 40 C.F.R. § 63.1980(b)
4.5.1	Annual NMOC Emission Report	45CSR23, 40 C.F.R. § 60.757(b)
4.5.2	5-year NMOC Report	45CSR23, 40 C.F.R. § 60.757(b)(1)(ii)
4.5.3	Revision of 5-year NMOC Report	45CSR23, 40 C.F.R. § 60.757(b)(1)(ii)
4.5.4	Closure Report	45CSR23, 40 C.F.R. § 60.757 (d)

Section 5.0: Requirements for Flares

Section 5.0 of this permit was written to address the Flares (Emission Point ID: 01E-20E). The table below summarizes each permit condition's contents, and regulatory citations:

Condition Number	Summary of Requirements	Regulatory Citation	R13-2688 Condition
5.1.1	Annual and Visible Emissions	45CSR§§6-4.1, 4.3, 4.4, and 10-5.1	4.1.1
5.1.2	Operation and Maintenance of Air Pollution Control Equipment	45CSR13	4.1.2
5.1.3	No emission of particles of unburned or partially burned refuse or ash from the flares large enough to be individually distinguished in the open air	45CSR§6-4.5	N/A
5.1.4	Objectionable Odors	45CSR§6-4.6	N/A
5.1.5	No person shall construct, modify or relocate any incinerator without first obtaining a permit	45CSR§6-6.1	N/A
5.2.1	Visible emission checks of the vent flares	45CSR13	4.2.1
5.3.1	Stack testing of the flares	45CSR§6-7.1	N/A
5.4.1	Record of Monitoring	45CSR13	4.4.1
5.4.2	Record of Maintenance of Air Pollution Control Equipment	45CSR13	4.4.2
5.4.3	Record of Malfunctions of Air Pollution Control Equipment	45CSR13	4.4.3
5.4.4	Records of all monitoring data required by condition 5.2.1	45CSR13	4.4.4
5.5.1	Reporting of violation(s) of the allowable visible emission requirement	45CSR§30-5.1.c.	N/A

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

- a. 40 C.F.R. § 60.757(a)(3): 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.
- b. 40 C.F.R. Part 60, Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984: The Diesel Fuel Tank's capacity is below 75 m³, therefore this subpart does not apply.
- c. 40 C.F.R. 64—Compliance Assurance Monitoring (CAM): The facility does not have a pollutant specific emissions unit with a control device used to meet an applicable standard or limit. Therefore, the facility is not subject to the Compliance Assurance Monitoring (CAM) rule.

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: Thursday, February 25, 2016
Ending Date: Monday, March 28, 2016

Point of Contact

All written comments should be addressed to the following individual and office:

Rex Compston, P.E.
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1209 • Fax: 304/926-0478
Rex.E.Compston@wv.gov

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Response to Comments (Statement of Basis)

Not applicable.