

# Fact Sheet



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

Permit Number: **R30-00900053-2017**  
Application Received: **March 16, 2017**  
Plant Identification Number: **03-54-009-00053**  
Permittee: **Valero Terrestrial Corporation**  
Facility Name: **dba Brooke County Sanitary Landfill**  
Mailing Address: **1118 Petrillo Rd., Colliers, WV 26035**

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Physical Location: Colliers, Brooke County, West Virginia  
UTM Coordinates: 535.865 km Easting • 4469.677 km Northing • Zone 17  
Directions: Following U.S. Route 22 West from Pittsburgh, PA toward Weirton, WV, exit onto Harmon Creek Road (County Rd. 1), travel south (left off of ramp) approximately 1 mile. Look for sign on right for Brooke County Sanitary Landfill and turn right onto Petrillo Road (County Rd. 1/1). Follow this road about 1 mile to top of hill to scale house.

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### **Facility Description**

The Valero Terrestrial Corporation dba Brooke County Sanitary Landfill (BCSL) is a non-hazardous municipal solid waste (MSW) landfill that began operation in the 1970's. It has a North American Industry Classification System (NAICS) code of 562212 and a Standard Industrial Classification (SIC) code of 4953. The facility is a 196-acre municipal solid waste landfill that has a disposal area of 180 acres. The BCSL has a maximum tonnage rate of 20,000 tons municipal solid waste per month. The landfill accepts residential, commercial, industrial, construction/demolition debris, non-hazardous industrial waste, institutional waste, autoclaved or sterilized waste, and petroleum contaminated soil.

**Emissions Summary**

<b>Plantwide Emissions Summary [Tons per Year]</b>		
<b>Regulated Pollutants</b>	<b>Potential Emissions</b>	<b>2016 Actual Emissions</b>
Carbon Monoxide (CO)	31.0	1.19
Nitrogen Oxides (NO <sub>x</sub> )	12.73	3.61
Particulate Matter (PM <sub>2.5</sub> )	11.71	0.91
Particulate Matter (PM <sub>10</sub> )	78.1	5.98
Total Particulate Matter (TSP)	78.1	5.98
Sulfur Dioxide (SO <sub>2</sub> )	51.33	<0.01
Volatile Organic Compounds (VOC)	72.25	12.69

*PM<sub>10</sub> is a component of TSP.*

<b>Hazardous Air Pollutants</b>	<b>Potential Emissions</b>	<b>2016 Actual Emissions</b>
1,1,2- Trichloroethane	0.05	0.05
Acrylonitrile	1.39	0.10
Benzene	0.29	0.04
Carbon Disulfide	0.09	0.01
Carbon Tetrachloride	0.01	0.0
Carbonyl Sulfide	0.05	<0.01
Chlorobenzene	0.05	<0.01
Chloroform	0.01	<0.01
Mercury	0.16	0.0
Methyl Ethyl Ketone	1.0	NA
Methyl Isobutyl Ketone	0.23	0.06
Toluene	7.04	1.05
Vinyl Chloride	0.89	<0.01
Xylene	2.50	0.37

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

**Title V Program Applicability Basis**

This facility has a design capacity over 2.5 million megagrams and 2.5 million cubic meters. Due to this facility's design capacity, Brooke County Sanitary Landfill 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.
	45CSR7	To Prevent and Control Particulate Air Pollution from Manufacturing Process Operations
	45CSR11	Standby plans for emergency episodes.
	45CSR13	NSR Permits.
	45CSR16	Standards of Performance for New Stationary Sources Pursuant to 40 C.F.R. Part 60
	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	Emission Standards for Hazardous Air Pollutants
	40 C.F.R. Part 60 Subpart OOO	Standard of Performance for Nonmetallic Mineral Processing Plants
	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	National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfill
	40 C.F.R. Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
State Only:	45CSR4	No objectionable odors.
	45CSR17	To Prevent and Control Particular Matter Air Pollution from Material Handling, Preparation, Storage and other sources of Fugitive Particulate Matter

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> )
R13-2475B	August 18, 2011	
R13-2480	February 26, 2003	

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

Since R30-00900053-2012 was issued, no changes have been made to the Brooke County Sanitary Landfill (BCSL) Title V Permit.

There were no changes to State Rules or Federal Regulations that affected the applicable requirements of the Title V permit. The following updates were made as changes in the permit format.

#### Section 4.0 Landfill Operations

- Split the old Title V condition 4.2.1 into three separate conditions 4.2.1, 4.2.2., and 4.2.3. Renumbered the remaining conditions in section 4.2 and updated conditions that referenced the old condition 4.2.1.
- Deleted condition 4.5.3 since it is a duplicate of condition 5.5.2.

### Non-Applicability Determinations

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

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.

40 C.F.R. Part 64 - This is the third permit renewal for this facility. The facility was found not to be subject to Compliance Assurance Monitoring (CAM) at the time of the first and second renewals since the facility did not have any pollutant specific emissions units (PSEU) that satisfied all of the applicability criteria requirements of 40 CFR § 64.2 (a). There have been no changes to any PSEUs at the facility since the first and second renewals that have resulted in a source satisfying the applicability requirements of 40 C.F.R. § 64.2 (a) and becoming subject to CAM.

### 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: Friday, July 14, 2017  
Ending Date: Monday, August 14, 2017

**Point of Contact**

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

Robert Mullins  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: 304/926-0499 ext. 1243 • Fax: 304/926-0478  
Robert.A.Mullins@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.