

# Fact Sheet



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

Permit Number: **R30-06900071-2022**  
Application Received: **August 17, 2021**  
Plant Identification Number: **03-54-069-00071**  
Permittee: **American Disposal Services of West Virginia, Inc.**  
Facility Name: **Short Creek Landfill**  
Mailing Address: **258 North Fork, Wheeling, WV 26003**

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Physical Location: Short Creek, Ohio County, West Virginia  
UTM Coordinates: 530.57 km Easting • 4444.10 km Northing • Zone 17  
Directions: From the city of Wheeling, take Route 2 North, turn right onto County Route 2 (Girty's Run and Short Creek Road), and proceed for approximately 2.6 miles, bear left onto County Route 1 (Short Creek Road) and proceed approximately 1.6 miles, then turn left onto County Route 9 (North Fork Road) and proceed approximately 0.1 miles to the landfill entrance

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### Facility Description

The Short Creek Landfill (SCL) (NAICS 562212, SIC 4953) is a non-hazardous municipal solid waste (MSW) landfill that began operation in approximately 1986. The site consists of 280 acres of permitted area, including 113 acres of permitted disposal area. Of the 113 acres, 34 acres make up the closed landfill and 79 acres make up the active landfill. Currently 56.7 acres of the 79 acres of active area have been developed.

The landfill has a total design capacity of approximately 11.51 million Mg of MSW and consists of two segregated fill areas designated Landfill A and Landfill B.

Waste placement in Landfill A began in approximately 1986 and continued through 2000. The total MSW placement in this area (Landfill A) is approximately 1.66 million Mg. Landfill A encompasses approximately 34 acres and is a certified closed and capped pre- Subtitle D disposal area, underlain by a natural clay liner, with a compacted clay soil cover. Landfill A has two separate areas; one consists of 11

acres of construction/ demolition/debris (CDD) waste area, which has no GCCS components. The CDD area consists of approximately 0.794 million Mg non-degradable waste. The second portion of Landfill A is MSW disposal area, approximately 23 acres; an active GCCS is installed and operating in this area.

Waste placement in Landfill B began in 2001 and is expected to continue through 2046, given the current rate of waste acceptance. Landfill B has a MSW capacity of approximately 9.85 million Mg. The total permitted area for waste disposal in Landfill B is approximately 79 acres. Currently, 56.7 acres have been developed, underlain by a double composite base liner system. The final cover system for Landfill B will consist of a composite geosynthetic/low permeability soil barrier.

Short Creek receives approximately 250,000 tons of waste per year. The landfill currently accepts municipal solid waste and, in the past, also accepted CDD waste. Site operations include disposal of solid waste, compaction of same, and daily cover with native soil. Site waste decomposes and generates methane and non-methane VOCs.

### Emissions Summary

<b>Plantwide Emissions Summary [Tons per Year]</b>		
<b>Regulated Pollutants</b>	<b>Potential Emissions</b>	<b>2020 Actual Emissions</b>
Carbon Monoxide (CO)	111.16	46.47
Nitrogen Oxides (NO <sub>x</sub> )	20.43	8.54
Particulate Matter (PM <sub>2.5</sub> )	6.78	2.89
Particulate Matter (PM <sub>10</sub> )	21.0	8.91
Total Particulate Matter (TSP)	59.31	25.68
Sulfur Dioxide (SO <sub>2</sub> )	4.83	2.06
Volatile Organic Compounds (VOC)	10.75	6.37
<i>PM<sub>10</sub> is a component of TSP.</i>		
<b>Hazardous Air Pollutants</b>	<b>Potential Emissions</b>	<b>2020 Actual Emissions</b>
Total HAPs	7.74	3.84
<b>Regulated Pollutants other than Criteria and HAP</b>	The projected NMOC emission rate of 34 Mg/yr was triggered in approximately 1999 and a collection and control system was installed at the facility. The projected NMOC emission rate of 50 Mg/yr was triggered in 1999. The facility is no longer required to submit annual NMOC reports because a collection and control system that complies with 40 C.F.R. 60 Subpart XXX and 40 C.F.R. 63 Subpart AAAA has been installed.	
Non Methane Organic Compounds (NMOC)		

*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 and the landfill has the potential to emit 111.16 tons per year of carbon monoxide (CO). Due to this facility's design capacity and the potential to emit over 100 tons per year of criteria pollutant, Short Creek 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.
	45CSR11	Standby plans for emergency episodes.
	45CSR16	New Stationary Sources Standards of Performance.
	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 an annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	45CSR34	Emission Standards for Hazardous Air Pollutants
	40 C.F.R. Part 60 Subpart XXX	Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014
	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 Landfills
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
State Only:	45CSR4	No objectionable odors.
	45CSR17	To Prevent and Control Particulate Matter Air Pollution from Materials 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 (if any)
N/A	N/A	

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**

The following changes were included in this Title V renewal:

- **Section 1.1 Emission Units**
  - The Portable Rock Crushing and Sizing Plant was removed.
- **Section 3.0 – Title V Boilerplate**
  - Conditions 3.5.3, 3.5.5, and 3.5.6 of the Title V Boilerplate were updated.
- **Section 4.0 – Landfill Operations [Emission Point ID(s): 01]**
  - Condition 4.1.2 was added from 40 C.F.R. 63 Subpart AAAA.
  - Conditions 4.1.3 through 4.1.9 and 4.2.1 through 4.2.5 were changed from the applicable requirements in 40 CFR 60 Subpart XXX to 40 CFR 63 Subpart AAAA requirements since the facility has chosen to comply with 40 C.F.R. §§60.763, 60.765 and 60.766 by complying with 40 C.F.R. §§63.1958, 63.1960, and 63.1961 via 40 C.F.R. §60.762(b)(2)(iv).
  - Conditions 4.1.10 through 4.1.12 were removed and the current 40 C.F.R. 63 Subpart AAAA applicable requirements were included in Section 4.1.
  - 40 C.F.R. 63 Subpart AAAA Monitoring was added as conditions 4.2.1 through 4.2.12.
  - 40 C.F.R. 63 Subpart AAAA Testing was added as condition 4.3.2.
  - 40 C.F.R. 63 Subpart AAAA Recordkeeping (Condition 4.4.11) and Reporting (Condition 4.5.12) were added to the permit.
  - Old condition 4.4.5 (1) through (5) were deleted because the facility is complying with 40 C.F.R. §§63.1983(e)(1) through (5) instead of 40 C.F.R. §§60.768(e)(1) through (5). The recordkeeping requirement of 40 C.F.R. §60.768(e)(6) was added to condition 4.4.5.
  - Old condition 4.5.7 from 40 C.F.R. 60 Subpart XXX was removed because the facility is complying with the provisions of 40 C.F.R. §63.1981(h) instead of 40 C.F.R. §60.767(g).
  - Old condition 4.5.10 from 40 C.F.R. 60 Subpart XXX was removed because the facility is complying with the provisions of 40 C.F.R. §63.1981(j) instead of 40 C.F.R. §60.767 (j).
  - Condition 4.5.11 was added to reflect the changes made to 40 C.F.R. 60 Subpart XXX
- **Section 5.0 – Other Requirements for Open Flare**
  - Requirements from 40 C.F.R. 60 Subpart XXX for the flare were moved to Section 4.0 with the other Subpart XXX requirements
  - General requirements from 40 C.F.R. §63.11(b) for flares were added.

- **Section 6.0 – Portable Rock Crushing and Sizing Plant [Emission Point ID(s): RC-E and DG-E] and Appendix B**
  - Section 6.0 and Appendix B have been removed from the permit. In a letter from the Director, dated February 23, 2022, R13-2822A was placed as inactive.
  
- **Section 7.0 – Leachate Open Top Tanks [Emission Point ID(s): LST1, LST2]**
  - This section has been removed as the leachate tanks have a design capacity greater than 151m<sup>3</sup> and a maximum true vapor pressure below 3.5 kPa.

**Non-Applicability Determinations**

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

<b>40 C.F.R. § 60.767 (a)(3), Subpart XXX</b>	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 64</b>	This is the fourth permit renewal for this facility. The facility was found not to be subject to CAM at the time of the first, second, and third renewals. There have been no changes to the facility that trigger a CAM review as part of this renewal. Therefore, CAM is not applicable
<b>40 C.F.R. 60 Subpart Kb</b>	All leachate tanks at this facility have a design capacity greater than 151 m <sup>3</sup> and a maximum true vapor pressure of less than 3.5 kPa.

**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: May 16, 2022

Ending Date: June 15, 2022

**Point of Contact**

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

Nikki B. Moats  
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. 41282  
Nikki.B.Moats@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)**

None.