

Fact Sheet



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

Permit Number: **R30-04700111-2013**
Application Received: **January 23, 2013**
Plant Identification Number: **04700111**
Permittee: **Capels Landfill, LLC**
Facility Name: **Copper Ridge Landfill**
Mailing Address: **P.O. Box 629, Welch, WV 24801**

Physical Location: Welch, McDowell County, West Virginia
UTM Coordinates: 447.36 km Easting • 4,147.73 km Northing • Zone 17
Directions: I-64/77 south to Exit 44 (Harper Road). Take right off exit onto WV3/Harper Road and go 11 miles until road becomes WV99/Bolt. Stay on WV99 for 4.5 miles, then turn left onto CR15/Bolt Road and go 1.3 miles where Bolt Road becomes CR1/Glen Fork Road, continuing another 6.6 miles to CR5/Saulsville-Ravenscliffe Road. Go 5.5 miles where CR5 becomes WV97. Continue 7.4 miles and turn left onto WV10 (Pineville). Go 0.8 miles, and turn right onto WV16. Go 17 miles and make a right onto CR7. Follow CR7 to Capels and the entrance to Copper Ridge Landfill on the right (CR 7/2).

Facility Description

Copper Ridge Landfill is a new 106-acre municipal solid waste landfill that began operation in late 2007 and operates under SIC Code 4953. The landfill accepts municipal solid waste, construction/demolition debris (CDD) and approved residual waste streams. Copper Ridge receives approximately 50,000 tons of waste per month. Waste is brought to the landfill by railcar and truck. The bails from the railcars is loaded onto trucks for transport to the active cell. The waste is spread and compacted. Soil is placed over the active area each day for cover.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Regulated Pollutants	Potential Emissions*	2012 Actual Emissions
Carbon Monoxide (CO)	38.3	0.0437
Nitrogen Oxides (NO _x)	0.53	0
Particulate Matter (PM _{2.5})	-	-
Particulate Matter (PM ₁₀)	65.68	Not reported
Total Particulate Matter (TSP)	259.22	26.62
Sulfur Dioxide (SO ₂)	0.28	0
Volatile Organic Compounds (VOC)	134	0.46

PM₁₀ is a component of TSP.

Hazardous Air Pollutants	Potential Emissions*	2012 Actual Emissions
Toluene	26.0	0.039
Total	76.1	0.013

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

*Note: PTE is for both active and future phases of operation

This facility does not have the potential to emit equal to or greater than 100,000 tons per year of carbon dioxide equivalent (CO₂e) and 100 tons per year of greenhouse gases (GHGs) on a mass basis.

Non-Methane organic compounds (NMOC) – The projected closure year is 2045 with a projected maximum potential NMOC emission rate of 2286 Mg/yr in year 2046. The projected NMOC emission rate of 50 Mg/yr, triggering the requirements for the construction of a collection and control system, was previously estimated to occur in 2012, but in 2011 the emission rate was only 0.74 Mg/yr (because the landfill only processed a small fraction of the waste it's permitted to take). The NMOC emissions were estimated by USEPA Landfill Gas Emissions Model (LANDGEM) software using the model default values.

CO, VOC, and HAP emissions were also estimated by using LANDGEM software.

Title V Program Applicability Basis

This facility has the potential to emit over 100 tons per year of criteria pollutants (134 TPY of VOC), over 10 tons per year of a single hazardous air pollutant (HAP) (26.0 TPY of Toluene), and over 25 tons per year of aggregated HAP (76.1 TPY). Due to this facility's potential to emit over 100 tons per year of criteria pollutant, over 10 tons per year of a single HAP, and over 25 tons per year of aggregate HAPs, Capels Landfill, LLC is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

This facility has a design capacity over 2.5 million megagrams and over 2.5 million cubic meters. Due to this facility's design capacity, the Capels Landfill, LLC 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	To Prevent And Control Air Pollution From Combustion Of Refuse.
45CSR11	Standby plans for emergency episodes.
45CSR16	Standards Of Performance For New Stationary Sources Pursuant To 40 CFR Part 60
45CSR23	To Prevent And Control Emissions From Municipal Solid Waste Landfills
45CSR30	Operating permit requirement.
45CSR34	Emission Standards For Hazardous Air Pollutants
WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
40 C.F.R. Part 60, Subpart WWW	Standards of Performance for Municipal Solid Waste Landfills
40 C.F.R. Part 61, Section 61.154	Asbestos inspection and removal - Standards for active waste disposal sites
40C.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 (<i>if any</i>)
None		

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 B" which may be downloaded from DAQ's website.

Determinations and Justifications

The following changes were made to the permit during this permit renewal process:

1. Clay Screening and Rock Crushing operations (underlying permit R13-2698 is inactive since February 27, 2013) are not part of the facility's operations any longer, therefore "Crushing and Screening" section of the Emission Units Table (Section 1.1) and Section 4.0 "Clay Screening Plant (CS-1)" requirements were removed from the permit. Also, the permit R13-2698 was removed from the "Active R13, R14, and R19 Permits" Table (Section 1.2).
2. Section 5.0 was re-numbered to Section 4.0.
3. All references to "45CSR15" in the citations for condition 4.1.9 have been replaced with references to "45CSR34".

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 Subpart Kb	The Leachate Tanks' VOL vapor pressures are less than 3.5 kPa
40 C.F.R. 60 Subpart IIII	The engine for the "Trackmobile" locomotive is not "stationary" internal combustion engine as defined in 40 CFR §60.4219 of this subpart.
40 C.F.R. 63 Subpart ZZZZ	The engine for the "Trackmobile" locomotive is not "stationary" internal combustion engine as defined in 40 CFR §63.6675 of Subpart ZZZZ.
40 CFR 64 Compliance Assurance Monitoring (CAM)	The facility does not have a pollutant specific emissions unit with a control device to meet an applicable standard or limit. Therefore, the facility is not subject to the Compliance Assurance Monitoring (CAM) rule.
40 CFR §60.757(a)(3), Subpart WWW	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.

There are no Greenhouse Gas Clean Air Act requirements for this facility because the facility has not made any changes that triggered a PSD permit modification.

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: March 29, 2013
Ending Date: April 29, 2013

Point of Contact

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

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Division of Air Quality
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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.