



Registration #:21547

Site Name:Region 2000 Regional Landfill-Livestock Rd Facilit

Address:361 Livestock Rd, Rustburg, VA 24588 - 100

Contacts:Robert Arthur: (434) 455-6078

Clarke Gibson,: (434) 455-6079

Report #:333106

CMS:N/A

Classification:True Minor

AIR INSPECTION REPORT

The purpose of this inspection report is to document DEQ's observations and provide the compliance status for requirements applicable to the facility. Presented below are the following:

- **Inspection Details** describe this inspection report
- **Compliance Summary** lists individual requirements addressed in the report
- **Inspection Summary** provides an overview of the inspector's observations
- **Inspection Checklist** provides additional details and individual observations related to specific requirements

Inspection Details

Inspection Date: Jul 20, 2021
Reason: Complete FCE (Full Compliance Evaluation)
Type: FCE With Site Visit
Inspector: James Puckett
Inspection Results: In Compliance

Program Code	Subpart
MACT	ZZZZ
NSPS	WWW, XXX
SIP	
TITLE V	

Visit Date	Arrival Time	Departure Time	Weather
7/20/2021	11:01 AM	12:04 PM	Overcast 84 Degrees F

Approvals

James D. Puckett, Jr.

Margaret D. Wagner

Inspector: James Puckett
Signed Date: Jul 20, 2021

Supervisor: Margaret Wagner
Approved Date: Jul 22, 2021

Compliance Summary

In Compliance The applicable requirements listed in the table below were confirmed during the inspection to be in compliance.

Permit Effective Date or Regulation	Applicable Requirement
11/5/2018 TITLEV	09, 11, 34, 56

Inspection Summary

Purpose: The purpose of this onsite inspection was to look at all of the facility's applicable visible emission requirements outlined in the facility permit to conduct a Full Compliance Evaluation (FCE) with Region 2000 Regional Landfill - Livestock Rd. Facility, which took place on July 20, 2021. This inspection was conducted per the DEQ Air and Renewable Energy Compliance Inspection Protocol for COVID-19.

Facility and Process Description: Region 2000 Regional Landfill - Livestock Rd. Facility is located at 361 Livestock Rd. in Rustburg, VA. This facility is a municipal solid waste landfill operating with a 2,000 cfm utility flare, with a rated capacity 4,612,188 megagrams (Mg).

Permitting & Regulatory Standards: The facility currently operates under an NSR permit dated November 5, 2018, for a municipal solid waste landfill and a Title V permit dated November 5, 2018. This facility is also subject to NSPS WWW based on the rated capacity and NSPS WWW and NSPS XXX for the landfill gas collection and control system.

Compliance History: This is the first inspection conducted for this facility. There are no enforcement actions associated with this facility at this time.

Inspection Notes: This facility currently has approximately 21 employees and the facility is currently operating 5 days/week regular schedule with 1 shift and open on Saturdays for half a day. A phone inspection interview was conducted with Mr. Robert Arthur, Environmental Compliance/Safety Manager, on June 24, 2021, to go through the facility's current air permits and required records to be maintained, which was approved by the DEQ BRRO Air Compliance Manager, Margaret Wagner. At the time of this inspection, the facility was operating. Mr. Arthur led the inspector around the facility to observe all of the emission points. Also attending this inspection were Matthew Porter, DEQ Air Inspector and Matthew Vogus, DEQ Air Permit Writer. To complete this Full Compliance Evaluation (FCE), the following permit conditions were observed: 9, 11, 34 and 56.

Recommendations: It is recommended that the facility contact DEQ should any changes to the facility require an air permit modification.

Attachments: None

Inspection Checklist

Effective Date: Nov 5, 2018 **Applicable Requirement #:** 09 **Compliance Status:** In Compliance

Applicable Requirement

9. Landfill Requirements – Visible Emission Limitations - Visible emissions from each of the five (5) CF-10 Solar Spark utility flares (PCD-1) shall be designed for and operated with no visible emissions as determined by EPA Method 22, except for periods not to exceed a total of five minutes during any two consecutive hours. This condition applies at all times except during startup, shutdown and malfunction.
(9VAC5-50-80 and 9VAC5-80-110)

Observation

At the time of this inspection 2 of the 4 flares were in operation. The permit specifies 5 flares, however, there are only 4 of these onsite. There were no emissions observed from these units.

Effective Date: Nov 5, 2018 **Applicable Requirement #:** 11 **Compliance Status:** In Compliance

Applicable Requirement

11. Landfill Requirements – Visible Emission Limit- Visible emissions from the PEI utility flare (PCD-2) shall be designed for and operated with no visible emissions as determined by EPA Method 22, except for periods not to exceed a total of five minutes during any two consecutive hours. This condition applies at all times except during startup, shutdown and malfunction.
(9VAC5-80-110 and Condition 12 of the 11/5/2018 Permit)

Observation

At the time of this inspection, the flare was in operation and there were no visible emissions observed.

Effective Date: Nov 5, 2018 **Applicable Requirement #:** 34 **Compliance Status:** In Compliance

Applicable Requirement

General Conditions

34. General Conditions – Maintenance/Operating Procedures – At all times including periods of start-up, shutdown and maintenance, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.
(9VAC 5-80-110 and Condition 26 of the 11/5/2018 Permit)

Observation

It was noted that at all times, including periods of start-up, shutdown and maintenance, the permittee was maintaining and operating the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

Effective Date: Nov 5, 2018 **Applicable Requirement #:** 56 **Compliance Status:** In Compliance

Applicable Requirement

56. General Conditions - Fugitive Dust Emission Standards - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

- a. Dust from grading, cell construction, waste compaction, application of daily cover, wood waste chipping operations, storage piles and traffic areas shall be controlled by wet suppression or equivalent (as approved by the DEQ) control measures.
- b. All material being stockpiled shall be kept moist to control dust during storage and handling, or covered to minimize emissions.
- c. Dust from haul roads shall be controlled by wet suppression and prompt removal of dried sediment resulting from soil erosion and dirt spilled or tracked onto paved surfaces within the landfill.
- d. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

e. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

f. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

g. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and

h. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9VAC5-50-90, 9VAC5-80-110 and Condition 5 of the 11/5/2018 Permit)

Observation

It was noted that a water truck was in use during this site visit to control fugitive dust.