



## Compliance Inspection Report

### Inspection Summary

**Facility:** Region 2000 Regional Landfill - Livestock Rd Fac  
**Permit:** SWP610  
**Region:** Blue Ridge  
**Inspection Type:** Compliance Evaluation Inspection  
**Facility Staff:** Mr. Robert Arthur, Environmental Compliance Coordinator

**Inspector:** Nicole Tilley  
**Inspection Date:** 3/7/2019  
**Approximate Arrival Time:** 9:50 a.m.  
**Inspection Method:** Announced  
**Exit Interview:** Yes  
**Weather Conditions:** The weather was overcast with temperatures averaging 35 degrees F. Ground conditions were muddy.

**Comments:** On March 7, 2019, Nicole Tilley and Jenny Poland conducted an announced compliance inspection of Region 2000 Landfill - Livestock Road Facility. The inspection consisted of a tour of the facility, a records review, and exit interview. Mr. Arthur assisted in the site tour and exit interview. At the conclusion of the inspection, Mr. Robert Arthur and DEQ went to the home of Mr. Bill Carwile (921 Calohan Road) to update him on the progress the facility is making towards closure of the western cell of Phase III and to introduce Nicole Tilley as the new DEQ compliance inspector. Mr. Carwile had recently submitted an odor complaint to DEQ and the facility. DEQ departed at approximately 11:45 a.m.

The facility has begun construction for the partial closure of Phase III. The facility had begun ditch line work along the base of Phase III and facility equipment operators were grading the western side slopes. Contractors were beginning to install pipe for the gas collection system for Phase IV.

### Sanitary Landfill (Active)

Reference	Description	SL	Result
<b>Compliance Area: Operator Information</b>			
10.1-1408.1	Disclosure Statement	I	✓
10.1-1408.2	Operator Certification	II	✓
<b>Compliance Area: Recordkeeping, Reporting &amp; Permit</b>			
20-81-80	Waste Assessment Program	II	✓
20-81-100.B	Compliance with the facility's permit	II	✓
20-81-100.E	Unauthorized waste program and inspection	II	✓
20-81-140.A.16	Facility self inspections	I	✓
20-81-140.A.17	Record maintained of waste received and processed	I	✓
20-81-485	Operations Manual	II	✓
20-81-530	Permittee recordkeeping and reporting	II	✓
<b>Compliance Area: Design, Construction &amp; Operation</b>			
20-81-130	Facility design / construction	I	✓
20-81-140.A.1,4	Safety and fire control	II	✓
20-81-140.A.6	Pollutant discharge	III	✓
20-81-140.A.7	Stormwater control system maintenance	II	✓
20-81-140.A.8,14-15	Facility operation, maintenance, and training	II	✓
20-81-140.A.9-13	Hazard and nuisance control	I	✓
20-81-140.B	Compaction, cover & working face	I	✓
20-81-610-660	Special Waste	II	✓
<b>Compliance Area: Closure &amp; Post-Closure Care</b>			
20-81-160	Closure requirements	II	N/A
20-81-170	Post-closure care requirements	II	N/A
<b>Compliance Area: Decomposition Gas Control</b>			
20-81-200.A,B,E	Decomposition gas concentrations, monitoring & recordkeeping	II	✓
20-81-200.C	Decomposition gas-remediation	III	✓
20-81-200.D	Decomposition gas-odor management	I	✓

<b>Compliance Area: Leachate Control</b>			
20-81-210	Leachate control	II	✓
<b>Compliance Area: Groundwater Monitoring</b>			
20-81-250	Groundwater monitoring program	II	
20-81-260	Corrective action program	II	
<b>Compliance Area: Landfill Mining</b>			
20-81-385 & 395	Landfill Mining	II	N/A

SL = Severity Level      ✓ = In Compliance      X = Alleged Violation      N/A = Not Applicable      Blank = Not Inspected

### General Comments

Reference	Comments
20-81-100.B	<p>Compliance with the facility's permit - - The facility has a daily disposal limit of 2,580 tons per day. Monthly totals for January and February are provided below.</p> <p>Period: Daily Average: Total Tonnage January: 676.59 tons: 16,237.95 February: 643.39 tons: 14,154.7 tons</p>
20-81-100.E	<p>Unauthorized waste program and inspection - - The facility has an unauthorized waste plan in place, consisting of signs, employee training, and random load inspections. Random load inspections were conducted with the following frequency:</p> <p>January: 45 inspections for 3,417 loads February: 41 inspections for 2,995 loads</p> <p>No unauthorized waste was reported since the previous inspection.</p>
20-81-140.A.16	<p>Facility self inspections - - The facility conducted monthly self-inspections on December 17, 2018, January 30, 2019, and February 27, 2019. No major issues were noted in self-inspection and records were complete.</p>
20-81-140.A.17	<p>Record maintained of waste received and processed - - The facility maintains a record of all waste received and processed.</p>
20-81-485	<p>Operations Manual - - The facility's Operations Manual was reviewed and re-certified on December 14, 2018 by Clarke Gibson, Director of Solid Waste.</p>
20-81-530	<p>Permittee recordkeeping and reporting - - B. All required records were made available to DEQ upon request.</p> <p>C. No events requiring 24-hour or 5-day notification to DEQ occurred since the previous inspection.</p>
20-81-140.A.1,4	<p>Safety and fire control - - A.1. The facility conducts weekly safety trainings.</p> <p>A.4. No evidence of open burning on or near the waste cells was observed.</p>
20-81-140.A.6	<p>Pollutant discharge - - No leachate or solid waste was observed entering surface waters or wetlands.</p>
20-81-140.A.7	<p>Stormwater control system maintenance - - Ponding water was observed on the top of the Phase III waste cells. Heavy equipment made ruts on the top of the lifts. Mr. Arthur stated the facility would evenly grade the area when the ground dried out.</p>
20-81-140.A.8,14-15	<p>Facility operation, maintenance, and training - - Campbell County and Lynchburg City residents unload waste at the residential convenience area. Commercial clients that have mechanical unloading tip directly at the working face.</p> <p>Adequate numbers and types of properly maintained equipment were available for operations. During the inspection, the facility had a loader and two compactor tractors operating at the working face.</p>
20-81-140.A.9-13	<p>Hazard and nuisance control - - A.9. The portable litter fencing was in place near the working face. Some blown litter was observed on the northwest side slopes and stormwater ditches of the landfill. The facility picks up blown litter on a weekly basis and stated they would have the area cleaned up by the end of the week.</p> <p>A.10. The following ongoing odor control mechanisms and procedures were observed:</p>

	<p>- Active gas extraction system (Initiated August 2, 2016) - The high capacity blower/flare was in operation. Landfill gases are being drawn from gas extraction probes on Phase III and incinerated.</p> <p>- Posi-Shell/Interim Odor Control/ Daily Cover (Initial application June 16, 2016). The facility had sufficient daily cover.</p> <p>- Odor Boss Canon (Portable roll-off mounted misting unit - Initiated March 25, 2016). The vapor cannon has been winterized and is not currently in use. The facility plans to bring the unit back in operation during the warmer months.</p> <p>- Byers Vapor System (Primary perimeter system - Initiated March 16, 2016). Both the original primary system and the portable system were in operation. The primary system was operational along the western (Poplar Ridge) and southern (facing Rt. 24 - Colonial Highway) cell slopes. The portable system (Initiated March 2018) is a self-contained system mounted on a utility trailer. This extension covers approximately 800 feet of the southern boundary of Phase IV. The trailer carries the power generator, Byers tank, mixing chamber, and blower unit, and vapor distribution pipeline.</p> <p>-Leachate Cleanout Landfill Gas System/Flare (Initiated June 15, 2015). The system, which draws LF gases from the leachate collection system and burns them off through the facility's updated blower/flare system, was in operation. Piping and connections to the leachate collection system were intact.</p> <p>A.11. No issues regarding salvaging were observed.</p> <p>A.12. No issues regarding dust or mud on road ways were observed.</p> <p>A.13. Internal roads were well maintained and allowed access to all areas of the facility.</p>
20-81-140.B	<p>Compaction, cover &amp; working face - -</p> <p>At the time of the inspection, the facility was operating a working faces at the northwestern area of Phase IV. The working face was observed to be confined to an area appropriate for the amount of incoming waste. Adequate cover soil was being applied and soil is stockpiled near the working face. Intermediate cover appeared to be in good condition.</p>
20-81-610-660	<p>Special Waste - -</p> <p>Waste tires are being stored in roll-off containers before being sent to Emanuel Tire for disposal. The first off-site shipment for 2019 contained 4.99 tons.</p> <p>The facility receives white goods, which are processed with other scrap metals, and are stored in roll-offs. The first off-site shipment for 2019 contained 2.37 tons.</p>
20-81-200.A,B,E	<p>Decomposition gas concentrations, monitoring &amp; recordkeeping - -</p> <p>A. Gas Concentrations - The first quarter 2019 landfill gas monitoring event was conducted on February 5, 2019. No exceedances of the 100% compliance level for methane or the 80% action level for methane were reported at the gas boundary probes. No exceedances of the 25% compliance levels for methane were reported at the building monitoring locations.</p> <p>B. Gas Monitoring - Facility conducts quarterly landfill gas monitoring.</p> <p>E. Record keeping - The first quarter 2019 monitoring event report was provided for review. All required information was recorded.</p>
20-81-200.D	<p>Decomposition gas-odor management - -</p> <p>D.1. The facility follows the updated Odor Management and Control Plan dated June 17, 2016. Odor control strategies are given in Section 3.0 through 3.9 – Strategies for Controlling Odors.</p> <p>D.2. Section 5.0 of the updated plan states that documentation of odor complaints will be maintained and will be available for authorized officials. During the inspection. DEQ staff reviewed the facility's odor complaint log.</p> <p>The facility continues to follow up on odor complaints.</p>
20-81-210	<p>Leachate control - -</p> <p>Leachate is hard piped through a pumping station from the leachate holding tank to the Campbell County Utility Service Authority sewer system to the City of Lynchburg Regional WWTP.</p> <p>No leachate seeps were observed on the side slopes of the active cells or cells under intermediate cover.</p>

### Disclosure Statement Details

Key Personnel	Title
Clarke W. Gibson	Director of Solid Waste

Elliott L. Inge	Environmental Technician
Felicia D. West	Region 2000
Gary Christie	Region 2000
Kenneth Jarman	Working Field Supervisor
Larry P. Hall	Operations Manager
Robert Arthur	Environmental Compliance and Safety Manager

Disclosure Statement Last Updated: 1/12/2018

### Waste Management Facility Operators

Licensed Operator	License #	Expiration Date
Clarke Gibson	4605003027	11/30/2019
Elliott Inge	4605002580	7/31/2019
Kenneth Jarman	4605002635	11/30/2019
Larry P. Hall	4605002033	12/31/2020
Robert Arthur	4605002613	3/31/2020

PLEASE advise the Regional Office within 10 calendar days if any information noted in this report is incorrect, if you have taken appropriate action to meet compliance, or if there is other information that the department should consider regarding any alleged violations.

PLEASE be advised that this report is not an agency proceeding or determination which may be considered a case decision under the Administrative Process Act (VA Code 2.2-4000 et seq). If informal discussions do not lead to a satisfactory conclusion on the contents of this report, you may request in writing that DEQ take all necessary steps to issue a final decision or fact finding under the APA on whether or not a violation has occurred.