



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE
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March 28, 2023

David Kaasa
Waste Management
10376 Bullocks Drive
King George, Virginia 22485
dkaasa@wm.com

Sent Via Electronic Mail

NO DEFICIENCY LETTER

**Re: Lorton CDD Landfill - 10001 Furnace Road, Lorton
Solid Waste Permit (SWP) 331**

Dear Mr. Kaasa:

On March 1, 2023, the Virginia Department of Environmental Quality Northern Regional Office staff conducted a compliance inspection of the solid waste management facility operating under SWP331. During this inspection, the facility was evaluated for compliance with the Virginia Waste Management Act, Va. Code § 10.1-1400 et seq. ("Act"), the Virginia Solid Waste Management Regulations, 9 VAC 20-81-10 et seq. ("Regulations"), and SWP331.

During the inspection, no apparent violations of the Act, Regulations, or SWP331 were observed. A copy of the inspection checklist is enclosed.

If you have any questions, please contact me at (571) 866-6454 or Jeffrey.modliszewski@deq.virginia.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey Modliszewski".

Jeffrey Modliszewski
NRO Solid Waste Compliance Inspector

cc: ECM SWP 331
Brandy Mueller, Fairfax County



Compliance Inspection Report

Inspection Summary

Facility: Lorton Construction Landfill

Inspector: Jeffrey Modliszewski

Permit: SWP331

Inspection Date: 3/1/2023

Region: Northern

Approximate Arrival Time: 9:30 a.m.

Inspection Type: Compliance Evaluation Inspection

Inspection Method: Unannounced

Facility Staff: David Kaasa, District Manager

Exit Interview: Yes

Weather Conditions: Sunny 48° Fahrenheit

Comments: Julia Sisler, Solid Waste Permit Writer and Groundwater Reviewer also attended the inspection.

Construction / Demolition / Debris (CDD) Landfill (Post-Closure)

Reference	Description	SL	Result
Compliance Area: Operator Information			
10.1-1408.1	Disclosure Statement	I	✓
Compliance Area: Recordkeeping, Reporting & Permit			
20-81-100.B	Compliance with the facility's permit	II	✓
20-81-530	Permittee recordkeeping and reporting	II	✓
Compliance Area: Design, Construction & Operation			
20-81-140.A.6	Pollutant discharge	III	✓
Compliance Area: Closure & Post-Closure Care			
20-81-160	Closure requirements	II	✓
20-81-170	Post-closure care requirements	II	✓
Compliance Area: Decomposition Gas Control			
20-81-200	Decomposition gas control	II	✓
Compliance Area: Leachate Control			
20-81-210	Leachate control	II	✓
Compliance Area: Groundwater Monitoring			
20-81-250	Groundwater monitoring program	II	✓
20-81-260	Corrective action program	II	N/A
Compliance Area: Landfill Mining			
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
10.1-1408.1	Disclosure Statement - The disclosure statement was reviewed; no compliance issues were noted.
20-81-530	Permittee recordkeeping and reporting - The facility provided the 24 hour notifications and the five day written submissions for the gas exceedances between August and November 8, 2022.
20-81-140.A.6	Pollutant discharge - The landfill was inspected; no leachate seeps were observed.
20-81-160	Closure requirements - The facility's entrance was gated to prohibit access to the facility and sign was posted that indicated the facility was closed and no longer accepting waste.
20-81-170	Post-closure care requirements - The facility's quarterly post closure care inspections were reviewed; no compliance issues were noted. The facility's cover was inspected, vegetation appeared to be established in most areas. Ponding was observed on the top of the landfill where the facility had recently done some grading and planting of additional seed. The facility was working on procuring a grading contract to repair the cover throughout the landfill.

20-81-200	Decomposition gas control - In June 2019, the facility was issued a Warning Letter for a compliance level exceedance in the gas boundary wells on the western boundary of the property. The facility did not detect methane in the boundary wells between January 11 and April 13, 2022. On April 13, 2022, the facility detected methane above the compliance level in GP-17, GP-18, and GP-19. GP-17, GP-18 and GP-19 are located on the eastern boundary of the facility. The facility reconnected the blower to the vents located near GP-17, GP-18, and GP-19 on April 13th. The facility connected the blower to additional vents on November 16, 2022. The facility last detected gas in the boundary wells on November 8, 2022. The facility is now performing quarterly gas monitoring. The blower and flares were inspected no compliance issues were noted. The facility needs to submit as-builts and update the Landfill Gas Management to include all the Landfill Gas Management enhancements that were performed at the site since June 2019. The facility is currently planning on installing a more permanent remediation system to replace the system currently remediating the area near the entrance to the facility.
20-81-210	Leachate control - The facility disposes of leachate at the Waste Management treatment facility in Sussex County. The leachate disposal records from August 2000 through February 2023 reviewed; no compliance issues were noted. The above ground storage tanks (ASTs) where the leachate is stored were inspected; no compliance issues were noted.
20-81-250	Groundwater monitoring program - The groundwater wells were inspected; the wells were locked, labeled, and landscaped.

Disclosure Statement Details

Key Personnel	Title
David Kaasa	District Manager
David Moreira	Area Director
EnviroSolutions Holdings Inc	
Envirosolutions Real Property Holdings Inc	
Furnace Associates Inc	
Michael J. Magee	Director of Finance for Market Area
Ronald S. Ward	President
Waste Management Holdings Inc	

Disclosure Statement Last Updated: 6/30/2021

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.