



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:										
Lined MSWLF		LCID		YW		Transfer		Compost	SLAS	COUNTY: CLEVELAND PERMIT NO.: 23-02 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P	FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Closed Industrial Landfill	<input checked="" type="checkbox"/>	DEMO	SDTF	

Date of Site Inspection: 12/30/13

Date of Last Inspection: 10/10/08

FACILITY NAME AND ADDRESS:

JMN / Cleveland Container Industrial Landfill
 345 Roseborough Rd. (SR-2212)
 Grover, NC 28073

GPS COORDINATES: N: 35.19452° E:- 81.503553°

FACILITY CONTACT NAME AND PHONE NUMBER:

Mike Gurley, South Carolina Area Environmental Manager
 704-262-6019 (O) 704-400-6557 (Cell)
 mgurley@republicservices.com
 704-782-2177 (Fax)

FACILITY CONTACT ADDRESS:

5105 Morehead Rd.
 Concord, NC 28057

PARTICIPANTS:

Bill Wagner, Environmental Senior Specialist – Solid Waste Section.
 Tim Allen, Division Manager – Republic Services
 Mike Gurley, South Carolina Area Environmental Manager – Republic Services

STATUS OF PERMIT:

Site closed 9/26/2005 in accordance with 15A NCAC 13B .0500 rules.
 Document ID Number (DIN) 5947

PURPOSE OF SITE VISIT:

Partial inspection of closed landfill.

STATUS OF PAST NOTED VIOLATIONS:

N/A

OBSERVED VIOLATIONS

None.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

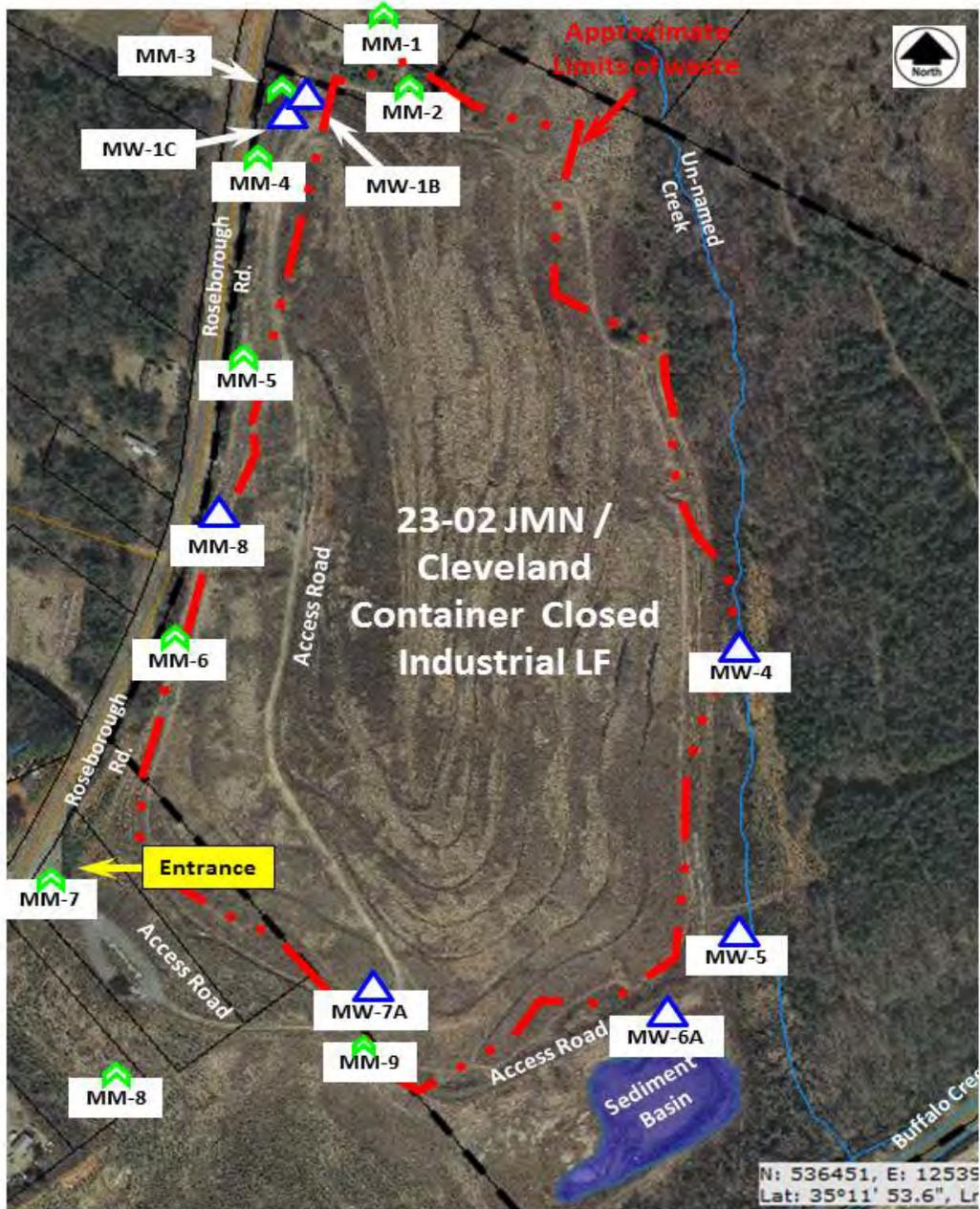


Figure1: Site Map JMN Closed Industrial Landfill 23-03

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 4

ADDITIONAL COMMENTS

1. Site Access

- a) Access is on the SW corner of the landfill, off of Roseborough Road. This access is controlled by a locked gate. (Photo #1)
- b) Proper landfill signage is displayed at the Roseborough Road access gate.
- c) The perimeter access road around the landfill was passable but in need of grading in several places at the time of the inspection. Please ensure that all access roads are maintained and are passable at all times.



1. Looking (SE) from Roseborough Rd. at the entrance gate to the landfill.



2. Looking (N) down the top of the landfill.

2. Post Closure Maintenance:

- a) The cap of the landfill has a well-established vegetative cover and is free of trees and woody vegetation. (Photos #2 & #3)
- b) No seeps of leachate from the landfill, or excessive erosion of the cap or were observed.
- c) Edge-of-waste markers are in place. (Photo #3)



3. Looking at the southern slopes of the landfill. (Note the white edge-of-waste marker.)



4. Groundwater monitoring well (believed to be MW-8). Note the 'well tag' placed on the top of the casing that should be re-attached to the well casing.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 4 of 4

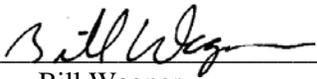
3. Water Quality

- a) There are seven groundwater monitoring wells (MW-1B, 1C, 4, 5, 6A, 7A and 8) at this landfill. A random inspection of five wells found all wells to properly secured with locks.
- b) While all of the inspected wells were and labeled with IDs, the ‘well tag’ one well (believed to be MW-8) had fallen off. (Photo #4). **Please ensure that all wells are properly secured and label in accordance with the requirements in 15A NCAC 2C .0108(o).**
- c) Please ensure that site maps show the correct locations and IDs of each groundwater monitoring well.
- d) Water quality monitoring of seven groundwater monitoring and two surface water locations (“upstream” and “downstream”) is conducted semi-annually. Wells MW-1B and MW-1C are up-gradient background wells.
- e) Two surface water locations from were sampled: “SW-3”, the upstream sampling point of the un-named creek to the east of the landfill and “SW-4”, the downstream” sampling point of the un-named creek to the east of the landfill .
- f) Samples from all seven groundwater and the two surface water sampling points were collected on January 30 – 31, 2013 by *Herst Environmental Services, LLC*.

4. Landfill Gas Monitoring:

- a) On September 29, 2008 Republic Services of North Carolina (REPUBLIC) reported exceedances of the concentration of methane gas above the lower explosive limit (LEL) in *Gas Probes* (GP) #3 (20.4% methane) and #4 (7.5% methane).
- b) In response to these landfill gas (LFG) exceedances REPUBLIC increased LFG monitoring of GP #3 and GP #4 from quarterly to monthly.
- c) In October 2008 - REPUBLIC installed an *interceptor trench* in the area of GP-4 (300 ft. long X 3-5 ft. wide X 15-20 ft. deep) for the installation of a perforated pipe connected to 2-3 passive gas vents.
- d) In June 2009 - REPUBLIC extended the *interceptor trench* north all the way to GP-3.
- e) Eight “landfill gas probe” (GPs) on the site are monitored quarterly for the presence of methane.
- f) The most recent monitoring event was conducted by *SCS Field Services* on October 1, 2013.
- g) Each GP was checked with a *GEM-2000 Infrared Gas Analyzer*.
- h) A methane level of 1.3% (by volume) was detected in GP-05.
- i) No methane was detected in the remaining seven gas probes (GPs-1, 2, 3, 4, 6, 7 and 8).
- j) Please ensure that site maps show the correct locations and IDs of each “landfill gas probe”

Please contact me if you have any questions or concerns regarding this inspection report.



Bill Wagner

Environmental Senior Specialist

Regional Representative

Phone: 828-296-4705

Sent on:		Email		Hand delivery	<input checked="" type="checkbox"/> US Mail		Certified No. <input type="checkbox"/>
----------	--	-------	--	---------------	----------------------------------------------------	--	----------------------------------------

cc: Drew Isenhour, Area President – Republic Services, PO Box 2943, Hickory, NC 28603

ec: Jason Watkins, District Supervisor – Solid Waste Section
 Sarah Rice, Compliance Officer – Solid Waste Section
 Tim Allen, Division Manager – Republic Services (tallen@republicservices.com)