

FACILITY COMPLIANCE INSPECTION REPORT
Department of Environmental Quality
Division of Waste Management - Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost	X	SLAS	COUNTY: Chatham PERMIT NO.: 19-01 Closed FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW		White goods		Incin		T&P		FIRM	
CDLF		Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: October 8, 2015

Date of Last Inspection: June 13, 2012

FACILITY NAME AND ADDRESS:

Chatham County Closed MSW Landfill
 28 County Services Road
 Pittsboro, NC 27312

GPS COORDINATES: N: 35.74430 E: -79.26266

FACILITY CONTACT NAME AND PHONE NUMBER:

Dan J. LaMontagne, Director – Chatham County Public Works Department
 w. 919-545-8531
 c. 919-548-9043
 f. 919-542-0058
dan.lamontagne@chathamnc.org

FACILITY CONTACT ADDRESS:

Chatham County Public Works Department
 Dan J. LaMontagne, Director
 964 East Street
 PO Box 910
 Pittsboro, NC 27312

PARTICIPANTS

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS)
 Dan J. LaMontagne, Director – Chatham County Public Works Department
 Sonya Gilliland, Operations Manager – Solid Waste & Recycling Division, Chatham County Public Works Dept.

STATUS OF PERMIT:

Closed

PURPOSE OF SITE VISIT:

Post Closure Inspection

STATUS OF PAST NOTED VIOLATIONS

None

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 also 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.

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ADDITIONAL COMMENTS

On October 8, 2015, John Patrone met with Dan LaMontagne and Sonya Gilliland to conduct a post closure inspection of the Chatham County Closed MSW Landfill on County Services Road in Pittsboro, Chatham County.

1. The facility is a closed municipal solid waste landfill (MSW) owned by Chatham County.
2. The facility ceased operation in 1993.
3. The closed MSW landfill is ~ 80 acres.
4. The Solid Waste & Recycling Division office is open Monday through Friday 7:00 am to 4:00 pm.
5. Ongoing solid waste management activities associated with the closed MSW landfill post closure conditions dated December 20, 1996 are as follows: scrap tire collection (trailers located adjacent to the old vehicle scale), recyclables collection area (glass, plastic, and alkaline batteries), and the yard waste compost operation (high carbon nitrogen ratio material collected for grinding). The Chatham County Sheriff's Office operates a shooting range adjacent to the landfill on the property.
6. Scrap metal and white goods are no longer received at the facility. Scrap metal and white goods collected at Chatham County convenience sites are direct hauled to Bish Scrap Metal.
7. The facility maintains semiannual groundwater and surface water monitoring records. Monitoring is conducted by Smith Gardner, Inc. Records were verified for May 16, 2013 (conducted by Engineering & Environmental Science Co.), November 12, 2013, October 14, 2014, and May 5, 2015. An exceedance is noted for each monitoring event.
8. The facility uses five groundwater monitoring wells: MW-1, MW-2, MW-3, MW-4, and MW-5 and two surface water locations: SW-1 and SW-2. Monitoring well MW-2/MW-2N was observed.
9. The facility maintains quarterly methane monitoring records. Monitoring is conducted by Smith Gardner, Inc. Records were verified for 11/28/12, 8/23/12, 3/1/13, 5/9/13, 8/22/13, 11/12/13, 2/24/14, 5/8/14, 8/11/14, 10/30/14, 2/9/15, 5/5/15, and 8/21/15. No exceedance is noted for each monitoring event.
10. The facility uses fourteen landfill gas monitoring wells: MP-1, MP-2, MP-3, MP-4, MP-5, MP-6, MP-7, MP-8, MP-10, MP-11, MP-12, MP-15, MP-18, and MP-19. Landfill gas wells MP-8, MP-10, MP-11, and MP-19 were observed. The landfill gas wells observed had a locking cap and barbed connector stopcock valves. Ensure landfill gas wells have identification plates.
11. The facility maintains records of the scrap tires received.
12. Edge of waste is delineated by red PVC pipe installed at the waste boundary.
13. The landfill cap is covered with native grasses. Hay is harvested on top and the side slopes mowed annually.
14. Mr. LaMontagne stated that soil will be added to low areas and bare areas will be sown with grass seed.
15. There was no indication of erosion or runoff.
16. Mr. LaMontagne stated that the county may plan to construct a recycling station/building in the area currently used to store recyclables (glass and plastic). Ensure this issue is discussed with the SWS prior to construction.
17. The yard waste compost operation is located adjacent to the Solid Waste & Recycling Division office. The area allotted for the yard waste compost operation is ~ 2 acres. High carbon nitrogen ratio material is ground annually or when ~ 1,000 tons of material is received. Material was ground October 1-7, 2015. All material received is expected to be ground by October 9, 2015, totaling ~ 1,005 tons. Mr. LaMontagne stated that mulch is sold to the public and a portion provided to a local compost facility.
18. The area allotted for the yard waste compost operation is also a Temporary Disaster Debris Staging Site (TDDSS, DS19-003). The yard waste compost operation site should be operated such that as much area as possible is maintained to collect/store disaster debris.
19. A second TDDSS is located on the property, adjacent to the yard waste compost operation site, (DS19-004). The TDDSS has six acres allotted to it but only ~ two acres has been cleared of trees. It is suggested that the two acres available is maintained for immediate use and that the remaining four acres is cleared of trees when practical.
20. The facility is located on property containing the Solid Waste & Recycling Division office, the Chatham County Permanent Household Hazardous Waste Collection Facility (19-04), and the notified land clearing and inert debris (LCID) landfill (N0069). The property also includes an additional TDDSS located within the LCID landfill footprint (DS19-002).

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- 21. The Pittsboro Fire Department can be contacted to respond to an emergency at the facility.
- 22. Access roads are of all-weather construction.
- 23. The closed MSW landfill is secured by a locked gate at the property entrance.
- 24. Proper signage is located on the property.

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

Phone: 336-776-9673

John Patrone, Environmental Senior Specialist
 Division of Waste Management, NCDEQ

Sent on: <u>October 13, 2015</u>	X	Email		Hand delivery		US Mail		Certified No. []
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Electronic Copies: Deb Aja, Western District Supervisor - SWS
 Jessica Montie, Compliance Officer - SWS
 Sonya Gilliland, Operations Manager – Solid Waste & Recycling Division, Chatham County
 Public Works Department (sonya.gilliland@chathamnc.org) w. 919-542-5516

Digital pictures taken October 8, 2015
 by John Patrone, DWM – SWS

Closed MSW landfill cap – representative



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Closed MSW landfill cap – representative



Closed MSW landfill – east side slope area



Closed MSW landfill – northeast side slope area



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Groundwater monitoring well MW-2/MW-2N



Landfill gas monitoring well MP-8



TDDSS DS19-004, includes treed area on left



Yard waste compost area and TDDSS DS19-003

