



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Table with columns for Unit Type (Lined MSWLF, Closed MSWLF, CDLF, LCID, HHW, Tire T&P/Collection, YW, White goods, Tire Monofill, Transfer, Incin, Industrial Landfill, Compost, T&P, DEMO, SLAS, FIRM, SDTF) and a summary box for County (WAKE), Permit No. (9231-CDLF-2012), and File Type (COMPLIANCE).

Date of Site Inspection: July 12, 2016 Date of Last Inspection: April 22, 2014

FACILITY NAME AND ADDRESS:

Material Recovery C&D Landfill
2600 Brownfield Road
Raleigh, NC 27610

GPS COORDINATES: N: 35.71038 E: -78.49949

FACILITY CONTACT NAME AND PHONE NUMBER:

Donald Plessinger, General Manager
Waste Industries, Inc.
w. 919-557-9583, c. 919-201-1434, f. 919-557-9523
Donald.plessinger@wasteindustries.com

FACILITY CONTACT ADDRESS:

Wake Reclamation, LLC
(Subsidiary of Waste Industries USA, Inc)
2600 Brownfield Road
Raleigh, NC 27610

PARTICIPANTS:

Liz Patterson - NCDEQ – Solid Waste Section (SWS)
Donald Plessinger - Waste Industries, Inc.
Richard Call, Jr. – Waste Industries, Inc.
Carter Shore – Smith + Gardner
Madeline German – Smith + Gardner

STATUS OF PERMIT:

Permit To Operate (PTO) issued January 28, 2011
Permit To Construct (PTC) issued in conjunction with PTO
PTO expiration date January 28, 2016
Application for PTC Phase 2B and PTO renewal received October 27, 2016 and currently under review

PURPOSE OF SITE VISIT:

Pre-Operations Visit for Phase 2, Stage 2 and Comprehensive Audit

STATUS OF PAST NOTED VIOLATIONS:

None

OBSERVED VIOLATIONS:

None

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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.

ADDITIONAL COMMENTS

1. The facility is a construction and demolition (C&D) debris landfill. The facility PTO expiration date is January 28, 2016. The facility Permit to Construct Phase 2B and permit renewal of the PTO application was received on October 27, 2015 and is currently under review.
2. The facility is permitted to receive C&D debris, inert debris, land clearing debris (LCD), and (used) asphalt from Alamance, Caswell, Chatham, Durham, Franklin, Granville, Harnett, Johnston, Lee, Nash, Orange, Person, Vance, Wake, Warren, and Wilson and the municipalities contained within those counties. The facility does not currently accept LCD. Concrete block is stockpiled and crushed for facility maintenance/alternative use.
3. The facility is in operation Monday through Friday, 7:00 am – 4:00 pm.
4. The facility is secured by locked gate. The facility has proper signage. Facility personnel are on site during operating hours.
5. The facility is prohibited from receiving for disposal (but not limited to) hazardous waste, municipal solid waste (MSW), liquid waste, industrial waste, and yard trash.
6. The current permit approves operation of Phase 1, Cells A, B, and C and Phase 2A, Cells 1 and 2 and construction of Phase 2, Stage 2. At the time of the inspection, construction of Phase 2, Stage 2 had been completed. No concerns with the construction were noted.



Looking North across Phase 2, Stage 2



Looking South across Phase 2, Stage 2

7. The facility is approved to accept approximately 1,100 tons per day, per the facility franchise agreement granted by Wake County. The facility maintains records of the amount of solid waste received by county and origin. The facility currently receives between 300 to 550 tons per day.
8. The waste type is construction and demolition waste. No unacceptable waste streams were noted.

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9. The facility conducts waste screenings of 1 percent of truck loads received. Waste screening records were verified for January 1, 2016 through June 30, 2016.
10. Cover log showing the time, date, and placement of cover material is being well maintained and was reviewed.
11. The following are facility certified personnel:
 - a. Donald Plessinger, Certified Landfill Manager, No. 93857, expires 6/10/19
 - b. Richard Call, Jr., Certified Landfill Manager, No. 904554, expires 6/10/19
 - c. Terry J. Wilson, Certified Landfill Operations Specialist, No. LF-2013066 expires 10/18/16
 - d. Daniel R. Jarboe, Certified Landfill Operations Specialist, expires 11/8/17
12. The facility maintains semiannual groundwater and surface water monitoring records. Records for sampling events conducted on December 2, 2015 were verified. 2L groundwater standards exceedance is consistent with previous reports.
13. The facility conducts quarterly methane monitoring. Methane monitoring records were verified for 9/2/2015, 12/3/2015, 2/26/2016, and 6/7/2016. No exceedances noted.
14. The landfill cap is covered with native grasses and is mowed as needed. The cover was in good condition at the time of the inspection.
15. No unacceptable waste streams were noted in the working face. Six inches of earthen material should be properly applied once weekly or when the working face reaches ½ acre.



Working face of landfill

16. Edge of waste is marked by temporary wooden stakes adjacent to the active cell and green metal stakes in the inactive areas. These are well maintained.
17. Windblown litter is well managed and no windblown litter was observed outside of the active working area during this inspection.
18. The facility has a water truck to control dust as needed. It is not used during times in which temperatures are below freezing.

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

Phone: 919-707-8286(O) 919-805-6499 (C)
Elizabeth.Patterson@ncdenr.gov

Liz Patterson
Environmental Senior Specialist
Regional Representative

Sent on: 7-27-2016	X	Email		Hand delivery		US Mail		Certified No. []
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Copies: Drew Hammonds, Eastern District Supervisor – Solid Waste Section
 Jessica Montie, Compliance Officer – Solid Waste Section
 Ed Mussler, Permitting Branch Head – Solid Waste Section
 Pat Backus, Environmental Engineer – Solid Waste Section