



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

Table with 10 columns for unit types (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 3 rows of data. Includes a summary box for COUNTY: CABARRUS, PERMIT NO.: 13-04, FILE TYPE: COMPLIANCE.

Date of Site Inspection: 12/10/15 & 12/14/15

Date of Last Inspection: 12/16/14

FACILITY NAME AND ADDRESS:

BFI-Charlotte Motor Speedway Landfill V
5105 Morehead Road
Concord, North Carolina 28027

GPS COORDINATES: N: 35.35196 W: 80.66805

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Bart Keller, General Manager-Republic Services, Inc.
Telephone: (704) 262-6002
Email address: tkeller@republicservices.com

FACILITY CONTACT ADDRESS:

Same as above

PARTICIPANTS:

Bart Keller, General Manager – Republic Services, Inc. (12/10/15 & 12/14/15)
Mike Gurley, Environmental Manager – Republic Services, Inc. (12/14/15)
Teresa Bradford, DEQ – Solid Waste Section (12/10/15 & 12/14/15)
Jason Watkins, DEQ – Solid Waste Section (12/14/15)
Ervin Lane, DEQ – Solid Waste Section (12/14/15)

STATUS OF PERMIT:

Amendment 12 for the Permit to Construct and Operate Phase 3-Cell 2I & Phase 1-Vertical was issued on February 8, 2013. The Permit shall expire on February 8, 2018.

PURPOSE OF SITE VISIT:

Comprehensive 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**

1. The facility consists of a MSWLF and a drop-off convenience area for residential waste.
2. The facility is permitted to receive solid waste generated from within the City of Concord, Cabarrus County, the State of North Carolina and the following counties in the State of South Carolina: Cherokee, York, Lancaster, Chesterfield and Chester.
3. Proper signage was observed at the entrance of the facility.
4. The facility currently receives approximately 3900 tons per day.

**Operations Inspection of the MSWLF:**

5. Waste was being placed in Phase 1-vertical expansion.
6. The working face was well controlled.
7. No unacceptable waste was observed.
8. Automobile shredder fluff mixed with soil, petroleum contaminated soil, tarps and foundry sand are approved as alternative cover material when used as per the approved demonstration project reports
9. The facility is in the process of partial closure construction of 15.2 acres located over a portion of the eastern side slope of Cells 2E, 2F, 2G and 2H.
10. Edge of waste markers were being maintained.
11. Access roads were well maintained.
12. The leachate storage lagoon had adequate freeboard space. Additional treatment is available in the leachate pre-treatment facility located adjacent to the leachate lagoon.
13. On December 10, 2015, several leachate seeps were observed on the southwest facing slope of Cell 2B. A visual inspection could not confirm if leachate entered a pipe at the base of the slope which outlets into a ditch line that leads to Sediment Basin 10. According to Mr. Keller, facility personnel had removed sediment that had clogged the pipe the previous day. On December 11, 2015, two surface water samples were collected in Sediment Basin 10. On December 14, 2015, a soil sample was collected in the vicinity of the pipe at the base of the landfill slope and also at the outlet of the pipe in the ditch line leading to Sediment Basin 10. Based upon the initial sampling results conducted on December 11, 2015 and December 14, 2015, **within 10 days**, please submit a plan in electronic format for Solid Waste Section approval to Jackie Drummond, Compliance Hydrogeologist (jaclynne.drummond@ncdenr.gov). The plan should address the exceedance of the Preliminary Soil Remediation Goal (PSRG) within the Wet-Sediment Basin Ditch sample. The plan should include corrective actions to address the potential environmental impacts and follow up confirmatory soil and water quality sampling.
14. A follow up inspection was conducted on December 14, 2015. The leachate seeps observed on December 10, 2015, had been repaired and the area had been regraded.
15. Adequate ground cover sufficient to restrain erosion needs to be provided on the southwest facing slope of 2L/2B.
16. Accumulated sediment needs to be removed from the culvert located under the access road leading to the landfill and within the ditch line leading to Sediment Basin 10.

**Records Review:**

17. Reviewed the permit, operations plan, monthly facility inspections, training records, waste determination records, random inspection records (3 regular waste inspections and 1 special waste inspection per day), quarterly methane monitoring records and the alternative cover material monthly sampling events.
18. Semi-annual groundwater, surface water and leachate monitoring were conducted in May 2015 and November 2015.
19. 870,910 gallons of leachate was discharged to the Rocky River Waste Water Treatment Plant in November 2015.
20. Certified Manager of Landfill Operations Certifications:
  - George Spy Sr. (expires 7/28/18)
  - Bart Keller (expires 6/7/16)
  - Anthony Reiss (expires 3/9/16)
  - Mike Gurley (expires 2/11/16)

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21. Certified Landfill Operations Specialist Certifications:

- James Drye (expires 10/19/18)
- James Jacobs (expires 10/19/18)
- Kevin Dennis (expires 5/16/18)
- George Spry, Jr. (expires 5/16/18)
- Jeanette Ramos (expires 2/10/18)
- Charles Sparks (expires 4/19/17)
- Michael Earnhardt (expires 4/19/17)
- Dale Shepherd (expires 4/15/17)
- James Talley (expires 11/18/16)
- Marvin Dry (expires 4/26/16)
- Terry Thomas (expires 12/6/15)
- Ralph Earnhardt (expires 12/16/15)

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

Phone: (704) 235-2160.

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Teresa N. Bradford  
Environmental Senior Specialist  
***Regional Representative***

Sent on: <u>1/14/16</u>	X	Email		Hand delivery		US Mail		Certified No. [ ]
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ec: Deb Aja, Western District Supervisor – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section  
Jason Watkins, Field Operations Branch Head – Solid Waste Section  
Jackie Drummond, Compliance Hydrogeologist – Solid Waste Section  
Mike Gurley, Environmental Manager – Republic Services, Inc.