



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

| UNIT TYPE: | | | | | | | | | | | |
|-------------------|-------------------------------------|-----------------------|-------------------------------------|---------------|-------------------------------------|---------------------|--|---------|-------------------------------------|------|---|
| Lined MSWLF | <input checked="" type="checkbox"/> | LCID | <input checked="" type="checkbox"/> | YW | <input checked="" type="checkbox"/> | Transfer | | Compost | | SLAS | COUNTY: BUNCOMBE PERMIT NO.: 1107-MSWLF-1996; 1107-CDLF-1998; 1107-HHW FILE TYPE: COMPLIANCE |
| Closed MSWLF | | HHW | <input checked="" type="checkbox"/> | White goods | <input checked="" type="checkbox"/> | Incineration | | T&P | <input checked="" type="checkbox"/> | FIRM | |
| CDLF | <input checked="" type="checkbox"/> | Tire T&P / Collection | <input checked="" type="checkbox"/> | Tire Monofill | | Industrial Landfill | | DEMO | | SDTF | |

Date of Site Inspection: 11/13/2013, 12/3/2013

Date of Last Inspection Report: 4/26/13

FACILITY NAME AND ADDRESS:

Buncombe County Solid Waste Management Facility
 85 Panther Branch Road
 Alexander, NC 28701

GPS COORDINATES: N: 35.72600 E: -82.63655

FACILITY CONTACT NAME AND PHONE NUMBER:

Jerry Mears, Landfill Manager
 Kristy Smith, Bioreactor Manager
 Telephone: 828-250-5462

PARTICIPANTS:

Andrea Keller, NCDENR– Solid Waste Section (SWS)
 Ellen Lorscheider, NCDENR – SWS (11/13/13)
 Shawn McKee, NCDENR – SWS (11/13/13)
 Kristin Hicklin, NCDENR – Land Quality Section (12/3/13)
 Jerry Mears, Buncombe County
 Kristy Smith, Buncombe County

STATUS OF PERMIT:

Most recent permit activity: Modification dated February 27, 2013 for operation of C&D landfill Unit Phase 5
 Permit to Operate expires: June 15, 2016
 Units in operation: 1107-MSWLF-1996 (cell 6 active);
 1107-CDLF-1998 (Phase 5 in current PTO); and
 HHW Collection Facility & LFGTE System

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 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.

2090 US Highway 70, Swannanoa, North Carolina 28778
 Phone: 828-296-4500 \ FAX: 828-299-7043 \ Internet: <http://portal.ncdenr.org/web/wm/sw>

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ADDITIONAL COMMENTS

1. On site November 13, 2013 for partial site inspection. NCDENR participants included Ellen Lorscheider and Shawn McKee. Visually inspected the convenience drop-off area, tire collection site, HHW collection building, and MSW working face. It was noted to Mr. Mears that certain areas of the working face appeared to have inadequate cover (around rim of working face, at juncture to soil berms) and required attention.
2. On site December 3, 2013, for comprehensive audit of MSW/C&DLF/HHW facility in conjunction with NCDENR Land Quality (Erosion and Sediment Control Plans). Current permit and Operations Plans were available at the facility.
3. Reviewed quarterly records for landfill gas (LFG): 3/19/13, 6/6/13, and 9/4/13. Well No. M-2 indicated methane at 28% LEL during the 6/6/13 event, but no landfill gas exceedances were documented and no well issues were noted. Methane data is collected at nine structures and four on-site wells. Wellheads observed during the inspection (no issues noted): M-1, M-2, M-3, and M-4.
4. Reviewed leachate management logs (amounts generated and recirculated). Weekly records were available for review along with monthly condensate records (field log) for the gas extraction wells. The facility monitors condensate in headers systems and pumps out (to leachate collection pond) on an as-needed basis. The leachate collection pond had been drained and inspected in 2013.
5. Groundwater monitoring records were available (electronic format) on site and the most recent report was under review with the Section hydrogeologist. Wellheads and sample locations observed during the inspection (no issues noted, access was well-maintained): SW-2, SW-5, MW-13, MW-13D, MW-10, MW-10D, MW-4, MW-4D, MW-5D, MW-5, SW-3, MW-6, MW-7, MW-8, MW-8D, MW-11, MW-11D
6. Scrap tire records were available for review (Sept-Dec records reviewed) and the scrap tire area was managed with all tires stored under cover. The "Tire Amnesty" event was discussed – approximately 850 tires were collected during the event. Asbestos intake/management records for 2013 reviewed along with waste shipment records for friable asbestos intake. Asbestos is managed at the CDLF Unit separate from the CDLF active working face. Waste tonnage records were reviewed for 2013 activities, no issues were noted.
7. Waste screening records were available for review. The facility inspects >1% of incoming loads and conducts weekly waste determination inspections to establish waste types and amounts received at the landfill. It was recommended that the waste screening form be utilized during inspections to capture types and amounts of incoming wastes that were not allowed (banned) from disposal. This information can serve to verify that waste screening is capturing improper waste disposal activities.
8. Training records were available for review (no issues noted):

| Operator | Training Cert. | Expiration Date |
|----------------|----------------------|---------------------|
| Jerry Mears | MOLO | 5/25/16 |
| Kristy Smith | MOLO/Bioreactor Mngr | 2/9/14 and 10/22/14 |
| Stephen Hunter | MOLO | 5/16/14 |
| Nancy Litz | LF Operator | 5/16/15 |
| Danny Biddix | LF Operator | 5/16/15 |
| Charles Angel | LF Operator | 4/19/17 |
| Junior Crane | LF Operator | 4/27/16 |
| Jerry Baily | LF Operator | 8/21/15 |
| Nick Edmonds | LF Operator | 8/21/15 |
| Don Golden | LF Operator | 8/21/15 |
| James Danner | LF Operator | 5/16/15 |

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| S. Kathy Lunsford | LF Operator | 4/19/17 |
| James Yount | LF Operator | 4/19/17 |
| Dean Payne | LF Operator | 2/13/15 |

9. The convenience center/drop-off area was well maintained with minimal windblown. Batteries and used oils were kept under cover. No issues were noted.
10. The HHW/electronics/paint area was well maintained. Florescent lights were protected and containerized, electronics were maintained on pallets, and paints were consolidated prior to removal from the facility. The white goods area was controlled and maintained. Propane tanks are collected in a separate roll-off container.
11. Erosion control features appeared to be maintained. Sediment basins were inspected as part of the Land Resources site inspection: SDP-4, SDP-3, SDP-10 (recommended that baffles be replaced and that the check dam in ditch-line be stabilized), SDP-12, SDP-13, and SDP-7. Intermediate vegetation was established and maintained with a few areas around the leachate lines and gas headers in need of attention.
12. The mulch/T&P grinding area was established in a way to separate clean wood wastes from yard waste and the mulch generated from yard waste and the City of Asheville street sweepings were being utilized as ACM in accordance with the facility Operations Plan. It was noted that the street sweepings maintained in this area were primarily leaves/soils/vegetative materials. However, the pile had been pushed to the back slope side of the designated site, and material was being lost over the bank. This material needs to be captured and utilized in accordance with the facility Operations Plan and the area requires some attention.
13. The working face of the CDLF was inspected:
 - a. The active working face of the CDLF was maintained separate from the designated asbestos disposal area. Signs for controlling/designating the area for asbestos disposal were in place.
 - b. Weekly soil cover appeared adequate.
 - c. Minimal windblown materials were noted surrounding the active working face of the CDLF.
 - d. Active working area was restricted, approximately, to less than a ½ acre.
 - e. No unacceptable wastes were noted at the landfill.

During the SDP-12 sediment basin inspection, below the working face, it was noted that a drainage channel was being maintained along the left side (looking from basin toward working face, see photo below). It was recommended that the facility review the PTO plans for this CDLF Unit to determine if surfacewater flow segregation and management was outlined (fill sequence, berm management, etc.) within the approved Plan.



12/3/13

It was understood that surface water in contact with the visible waste would be viewed as leachate and should be managed as such. The facility will work to exclude all wastes from this drainage channel, to

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control surface waters away from the exposed waste area, and to actively manage the CDLF unit with the understanding that this design requires regular inspection and maintenance in order to operate as designed.

14. The working face of the MSWLF was inspected:

- a. Minimal windblown was noted at the facility.
- b. The approved Posi-shell ACM had been recently applied (see photo below). Alternate Cover Material (ACM) records were reviewed (being managed and maintained by S. Hunter) for 2013 at the office. The area (near edge of active face) discussed during the November 13, 2013 inspection had been recovered and was improved since the last visit. The posi-shell coverage was discussed (with J. Mears) – photo below – and the need for full coverage and/or reapplication of posi-shell was outlined.



Visible color can indicate a lack of full coverage.

- c. Unacceptable wastes are pulled from the disposal area and taken to the appropriate facility location (example: tires, white goods).
- d. The active working area unit was restricted in size. Access was controlled through use of operators on site and the large free-standing windblown fencing. Soil cover was good.

15. Access roads were well maintained at the facility. Signs were in place to direct waste haulers/general public to appropriate disposal locations. Disposal units were identified with physical markers. In general the landfill was well-managed and maintained.

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

Andrea Keller
Environmental Senior Specialist
Regional Representative

Phone: 828-296-4700

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| Sent on: 1/13/14 | US Mail: Jerry Mears, Landfill Manager Buncombe County Solid Waste Management Facility 85 Panther Branch Road Alexander, NC 28701 | | |
|------------------|--|--|--|

ec: Jason Watkins, Western District Supervisor – Solid Waste Section
Sarah Rice, Compliance Officer – Solid Waste Section
Kristin Hicklin, NCDENR Land Quality Section