



FACILITY COMPLIANCE AUDIT 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.: 11-07 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW	<input checked="" type="checkbox"/>	White goods	<input checked="" type="checkbox"/>	Incin		T&P	<input checked="" type="checkbox"/>	FIRM	
CDFL	<input checked="" type="checkbox"/>	Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Audit: 11/10/10

Date of Last Audit: 06/24/10

FACILITY NAME AND ADDRESS:

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

GPS COORDINATES: N: 35.72600 W: -82.63655

FACILITY CONTACT NAME AND PHONE NUMBER:

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

AUDIT PARTICIPANTS:

Andrea Keller, NCDENR– Solid Waste Section (SWS)
 Jerry Mears, Buncombe County
 Kristy Smith, Buncombe County
 Stephen Hunter, Buncombe County

STATUS OF PERMIT:

Issued September 12, 2006
 Expires September 12, 2011
 Current Permit dated May 1, 2009
 Current Operations Plan dated August, 2009

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S):

None

AREAS OF CONCERN AND COMMENTS:

1. On site for comprehensive audit of the MSW/C&DLF facility. Current weather conditions were clear and dry.
2. The Permit and Operations Plan were available for review. Operations Plan (current) was available on-line (through CDM site). It is recommended that the current approved Operations Plan be available as a hard copy as it contains emergency/contingency requirements. The Contingency Plan is Appendix A of the Operations Plan.
3. The Landfill Gas (LFG) Plan was available for review (found within the current Operations Plan). LFG quarterly data was reviewed (12/7/09, 3/29/10, 6/10/10, 9/13/10). The equipment calibration for the 9/13/10 event was

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reviewed. Twelve locations are monitored quarterly: M-1, M-2, M-3, M-4, trailer, block building, HHW waste building, garage, scale house, convenience center, well house, and the office. No exceedences were noted. The facility uses a LandGEM 2000. Factory calibration was conducted on 4/30/10. Calibration gas for quarterly events was located on site. It was noted during the field inspection that the EOC/Radio Monitoring building on site is technically a site structure and should be added to the LFG monitoring schedule.

4. Groundwater monitoring records were reviewed. The first annual sampling event was conducted around April 2, 2010 and submitted in a report dated 6/29/10. The second annual sampling event was conducted in October, 2010 – the report was not available at the time of the inspection. Samples were collected for: MW-1, 1D, 2, 2D, 3, 4, 4D, 5, 5D, 6, 7, 8, 8D, 10, 10D, 11, 11D, 12, 12D, 13, 13D, 14, 14D, and Surface water samples SW-1, 2, 3, 4, and 5. The current Groundwater Monitoring Plan was assumed to be in the Permit to Construct Application for Cell 6 – it is recommended that the facility locate the approved plan and verify that sampling is being conducted in accordance with the plan.
5. The leachate recirculation records were reviewed for the months of June and July, 2010. Injection/recirculation activities were halted during installation of the vertical gas wells for the extraction system. Hydraulic head is monitored on a monthly basis through pump checks (K. Smith).
6. Training certifications/records were reviewed:

Operator	Certification/Expiration Date
Kristy Smith	Landfill Manager, 2/9/11
Kristy Smith	Bioreactor Manager 10/22/11
Roger Chastain	Landfill Operator, 8/21/12
Dean Payne	Landfill Operator, 2/13/12
Nancy Litz	Landfill Operator, 2/13/12
Charles Biddix	Landfill Operator, 2/13/12
Don Golden	Landfill Operator, 8/21/12
Nick Edmonds	Landfill Operator, 8/21/12
Jerry Bailey	Landfill Operator, 8/21/12
Kenny Burchfield	Landfill Operator, 4/27/13
Junior Crane	Landfill Operator, 4/27/13
Roger Chastain	Landfill Manager, 6/12/12
Jimmy Danner	Landfill Operator, 2/12/12
Jerry Mears	Landfill Manager, 5/25/13

7. Tonnage reports were reviewed for January 1, 2010 through September 30, 2010. Financial Assurance was reviewed (the facility sent records to the Section Compliance Officer, D. Herndon).
8. Asbestos waste acceptance records were reviewed. Tire records were reviewed (for September and October of 2010). Waste screening records for 12/8/09 through 11/4/10 were reviewed (minimum 1% inspected, per Ops Plan). Daily logs of waste screening were reviewed for the July through November time frame. It was verified that vehicles from the Buncombe County transfer station are being screened at the landfill. The County citations for recent ordinance violations were reviewed (example: transporter/generator of loads of segregated cardboard had been cited).
9. Household Hazardous Waste (HHW) records are kept at the facility (in tonnages). HHW is shipped on an as-needed basis. HHW drop-off collection occurs on Fridays.
10. The White Goods/scrap metal area was maintained – materials had recently been hauled. The tire area was neat and well maintained (all tires were under cover).

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11. The region of the newly installed gas extraction wells had been filled/seeded and straw was in place. The new flare was active and a generator had been ordered (due summer of 2011). It was stated (K. Smith) that the gas extraction system was pulling approximately 430 cfm.
12. The MSWLF active fill area (Cell 6) was kept to a manageable size, unacceptable materials were being pulled (tires) from the disposal area, several different Alternative Cover Materials (ACM) are approved for the MSWLF region and posi-shell had been utilized recently. Stephen Hunter had been managing the ACM application and logs. It was recommended to Mr. Hunter to create a log sheet that tracks all daily cover usage, not just the posi-shell application. The facility is not currently using tarps as an ACM (replacement tarps are on order). Windblown was minimal.
13. The working face of the CDLF was inspected:
 - a. The active working face of the CDLF has been moved to the designated asbestos disposal area (due to decrease in C&DLF activity). Signs for controlling/designating the area for asbestos disposal were in place.
 - b. Weekly soil cover was adequate.
 - c. Some 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.
 - f. Some of the side slopes of the inactive portions of the CDLF exhibited tree growth.
14. Several monitoring wells were inspected. MW-14D was in need of repair (pad was loose/eroded and the casing cap was damaged). The other wells inspected were in good external condition (MW-11, MW-14, MW-9, MW-9D, and M-2).



MW-14D, 11/10/10

15. The T&P area of the facility was still producing large quantities of mulch on site, but the County was not regularly utilizing the mulch as part of their ACM (soil/mulch mixture). It was stated (J. Mears) that the facility wanted to start generating mulch for public distribution in accordance with their approved Permit and Ops Plan. The following was discussed/stated with regards to the management of Yard Waste/Trash:
 - a. If the County segregates incoming yard trash (leaves, grass clippings, materials generated from yard maintenance activities), this material can be ground, placed in windrows, and regulated for temperature (three consecutive days at 131 degrees F) prior to distribution;
 - b. If the County has ground mulch generated solely from Land Clearing materials, this mulch does not need to meet temperature requirements prior to public use;
 - c. If the County wishes to distribute the co-mingled Land Clearing and Yard Trash (which is the definition of Yard Waste), the temperature requirements stated in (a) must be met prior to distribution; and
 - d. The County should keep all temperature records available for Section review as part of the facility operating log.

In general, this type of segregated operation can work with minimal oversight if the public can be instructed on how to manage their yard waste upon reaching the T&P area. Alternatively, the County can co-mingle all materials

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and then windrow/temperature-check all materials – to avoid having to segregate yard trash out of incoming waste streams. No unapproved materials were noted in the T&P area/grinding operation.

16. Access roads were well maintained at the facility. Signs were in place to direct waste haulers/general public to appropriate disposal locations.
17. During previous inspections it was stated that, with respect to the activation of the final portion of Cell 6, controls existed to separate storm water from waste/leachate and that documentation/certification of any construction changes at the facility must be placed in the facility operating record. Mr. Mears certified that he conducted the oversight of the activation of leachate controls for the final portion of Cell 6 and that the activities occurred on 10/19/09 (based on his calendar). It was recommended (A. Keller) that a physical facility operating record be maintained in, accordance with Permit conditions #23 and #24, in order to allow for verification of historical activities.

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



_____ (signature) Phone: (828) 296-4700

Andrea Keller
Environmental Senior Specialist
Regional Representative

Mailed on : <u>12/15/10</u> by		hand delivery		US Mail		Certified No.
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ec: Mark Poindexter, Field Operations Branch Supervisor
Deb Aja, Western District Supervisor
Donald Herndon, Compliance Officer