



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE: (check all that apply to this audit with same Permit number)											
Lined MSWLF	<input checked="" type="checkbox"/>	LCID		YW		Transfer		Compost		SLAS	COUNTY: Iredell PERMIT NO.: 49-03 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		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 Audit: August 18, 2008.

Date of Last Audit: August 2, 2007

FACILITY NAME AND ADDRESS:

Iredell County Landfill
 354 Twin Oaks Road
 Statesville, North Carolina 28625

GPS COORDINATES: (Decimal Degrees) N: 35.77114 W: 80.82346

FACILITY CONTACT NAME AND PHONE NUMBER:

David Lambert, Solid Waste Director (704) 878-5430

FACILITY CONTACT ADDRESS (IF DIFFERENT):

Same

AUDIT PARTICIPANTS:

David Lambert, Solid Waste Director
 Charles Gerstell, NCDENR-Solid Waste Section

STATUS OF PERMIT:

The Permit to Operate a Municipal Solid Waste Landfill Unit Phase 4 was issued on July 30, 2008 and shall expire on July 30, 2013.

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S) (citation and explanation):

None

You are hereby 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 Statute or Regulations. If the violation(s) noted here continue, you 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.

STATUS OF PAST NOTED VIOLATIONS (List all noted last audit):

None

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AREAS OF CONCERN AND COMMENTS:

1. The permit and operations plan were reviewed. These documents were current and available for review.
2. The facility is currently accepting approximately 600 tons of waste per day.
3. Leachate sampling is being conducted semi-annually as required.
4. Water quality records were reviewed and were being performed semi-annually.
5. Methane monitoring records were reviewed and were being conducted quarterly.
6. Waste screening forms were reviewed. The documents appeared to be complete.
7. Tire certification forms were reviewed and found to be properly completed and signed.
8. Certified Landfill Managers: David Lambert (expires 5/7/10)
Susan Cornell (expires 5/7/10)
Terry Church (expires 5/7/10)
9. Certified Landfill Operations Specialists: Jeffery A. Freeze (expires 3/12/10)
Wesley Feimster (expires 3/12/10)
Randy Bass (expires 3/12/10)

Operations Inspection of the MSW Landfill Unit:

10. Waste is currently being accepted into Phases 3 and 4.
11. A methane extraction system including the installation of multiple methane wells has been installed on phases 1, 2, and 3 for the purpose of generating electricity. As a result of this installation, some waste has been exposed on the surface of phases 1, 2, and 3. All exposed waste must be covered immediately with 6-inches of soil as required in the approved operations plan and by 15A NCAC 13B .1626(2)(a). If no additional waste is to be placed in these areas within 12 months or more, a minimum of 1-foot of intermediate cover must be provided.
12. During the inspection, some construction debris consisting of wood framing with fasteners was observed on the floor of the new Phase 4. Material that could be a threat to the integrity of the liner system should be kept out of the initial lift for this phase. A 10-foot deep fluff layer of waste should be placed in the Phase prior to filling as noted on the letter issued by Larry Frost, Regional Engineer, on July 22, 2008 and titled "Site Inspection and Pre-Operative Meeting".
13. The Operational Requirement #11b of the approved Operations Plan states that a spotter should be placed in the landfill to assure that the equipment does not drive any long, sharp objects through the protective cover into the liner system during the initial placement of waste into the Phase. No spotter was observed within the landfill at the time of inspection. It is recommended that a spotter be provided.
14. It appeared that geotextile fabric covering the gravel columns located on the floor of Phase 4 was being removed prior to waste being installed over the columns.
15. A significant amount of waste was exposed at the transition between Phase 3 and Phase 4 of the MSWLF. David Lambert explained that the waste at the bottom of the slope was exposed while trying to locate the edge of the liner for Phase 3. He also explained that the exposed waste at the top of the slope was not covered sufficiently due to the steep angle of slope preventing equipment from fully covering the waste. All exposed waste must be immediately covered with a minimum of 6-inches of soil. The angle of the slope on the west side of Phase 3 may need to be regraded to allow for proper soil cover.
16. A slope drain has been installed on the south side of Phase 1 of the MSWLF. The earthen berm leading to the device has been breached on each side of the headwall allowing water to flow over the slope. As a result, some erosion of the slope was observed. All eroded areas must be repaired and stabilized with a groundcover sufficient to restrain erosion. The slope drain must also be repaired to function properly.
17. Windblown waste was well managed at the time of inspection.
18. No unacceptable waste streams were observed.
19. Edge of liner stakes were being maintained.
20. All access roads were stable and in good operational condition.

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Operations Inspection of the C&D Landfill Unit:

- 21. Iredell County has ceased operation of the C&D Landfill and has started closure procedures.
- 22. No waste has been placed in the C&D Landfill unit since June 26, 2008.
- 23. Inspection found the unit covered with soil. However multiple gullies were observed within the soil exposing some waste. All eroded areas must be properly repaired.
- 24. Per 15A NCAC 13B .0505(3)(c), after final termination of disposal operations at the site or major part thereof, the area must be covered with at least two feet of suitable compacted earth. Looking at some of the gullies during the inspection, it does not appear that the entire landfill has been covered with two feet of soil.
- 25. Be sure to follow all conditions for closure within the Permit to Operate and 15A NCAC 13B .0510.
- 26. A schedule for the landfill closure should be submitted the Division as requested in the letter issued by the Division on June 19, 2008 from Ming-Tai Chao, Environmental Engineer II

Operations Inspection of the White Goods Collection Area:

- 27. Several white goods observed in a roll-off container were not maintained in an upright position prior to Freon extraction. Be sure all white goods containing Freon are maintained in an upright position until Freon has been properly removed.
- 28. Once Freon has been removed, all white goods are placed in roll-off containers located on the east site of the collection area for shipment to a local scrap metal dealer.

Operations Inspection of the Tire Collection Area:

- 29. This area was well managed at the time of inspection. All tires were being collected into covered trailers and were being stored properly.

Operations Inspection of the Treatment and Processing:

- 30. This area was well managed at the time of inspection.
- 31. A Type 1 Small composting Unit Request for Acknowledgement Letter (RAL) has been received by the Division and is currently under review.

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

Charles T. Gerstell
 Charles T. Gerstell
 Regional Representative

Phone: (704) 663-1699

Delivered on : <u>8/29/08</u> by		hand delivery	<input checked="" type="checkbox"/>	US Mail		Certified No. <input type="checkbox"/>
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Cc: Mark Poindexter, Field Operations Branch Head
 Deborah Aja, Western Area Supervisor