FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

NCDENR
NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

UNIT TYPE:												
Lined MSWLF	X	LCID		YW		Transfer		Compost	X	SLAS		COUNTY: Iredell
Closed MSWLF		HHW		White goods	X	Incin		T&P	X	FIRM		PERMIT NO.: 49-03
CDLF	X	Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF		FILE TYPE: COMPLIANCE

Date of Audit: April 7, 2010 **Date of Last Audit:** June 23, 2009

FACILITY NAME AND ADDRESS:
Iredell County Landfill
354 Twin Oaks Road
Statesville, North Carolina 28625

GPS COORDINATES: N: 35.77114 W: 80.82346

FACILITY CONTACT NAME AND PHONE NUMBER:
David Lambert, Solid Waste Director (704) 878-5430

FACILITY CONTACT ADDRESS:
Same

AUDIT PARTICIPANTS:
Terry Church, Landfill Supervisor
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:
Partial Audit

NOTICE OF VIOLATION(S):
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. For the violation(s) noted here, 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:
None

AREAS OF CONCERN AND COMMENTS:

1. This inspection was a partial audit to observe the operations of the facility.
2. The facility is currently receiving approximately 457 tons of waste per operating day.

Operations inspection of the MSW Landfill Unit

3. Waste is currently being placed into Phase 4.
4. A bag of waste was observed on the south side of Phase 1. This bag had been torn open allowing waste to be deposited onto the ground. Mr. Church explained that this was a bag that was mistakenly left behind from collection of windblown material. Be sure to remove this bag and all associated waste and properly dispose of it at the MSW Landfill Unit.
5. An eroded gully with exposed waste was observed near the access road from Phase 3 on the west slope. This erosion must be properly repaired and covered with a minimum of 6-inches of earthen material. If this area is not to receive waste for 12 months or more, a minimum of 12-inches of earthen material must be provided.
6. A leachate outbreak was observed on the southeast side of Phase 3 near the access road. The leachate appeared to be originating from around two valves associated with the methane extraction system. It also appeared that flow from the outbreak was absorbed into the soil prior to reaching the edge of liner. Steps must be taken immediately to repair this area to prevent leachate from flowing beyond the liner system. An electronic correspondence was received on April 8, 2010 from David Lambert indicating that the area would be temporarily capped with clay. The county will then excavate parallel to the transmission line and install a gravel channel to intersect the French drain located above the liner.
7. No unacceptable waste streams were observed within the working face at the time of inspection.
8. Seven tires were observed near the working face which had been removed from the waste stream by landfill staff. A wooden pallet had also been removed. Continue efforts to remove unacceptable waste streams from the landfill when they are observed.
9. Additional operational cover was needed on inactive areas located on the south side of Phase 4 where waste had been pulled up by landfill equipment during recent wet periods.
10. A significant rut from landfill equipment was observed east of the current working face containing ponded water. Ensure that this area is properly repaired to prevent future ponding.
11. Iredell County is currently permitted to use Posi-Shell as an alternative cover material. A portion of the landfill had Posi-Shell applied over the waste at the time of inspection. Inspection found that many colors could be easily distinguished throughout those areas treated by the alternative cover material. Many pieces of plastic were observed blowing in the wind. Wording on some magazines could easily be read. These are indications that the Posi-Shell is not being applied as required. More material must be used to prevent waste from being easily recognizable. No colors should be able to be identified and material must be thick enough to control those items subject to being displaced by wind.
12. Soil was being placed on the working face at the time of inspection.
13. Windblown waste was well managed at the time of inspection.
14. All access roads were stable and in good operational condition.

Operations Inspection of the White Goods Collection Area:

15. This area was well managed at the time of inspection. Freon had been removed from all white goods located on site at the time of inspection.

Operations Inspection of the Tire Collection Area:

16. 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:

17. This area was well managed at the time of inspection.
18. A Small Type 1 Composting Unit Acknowledgement was approved for Permit #49-03 on September 5, 2008.
19. Two large piles of un-ground leaves were observed on site at the time of inspection. Adequate space must be provided between each pile to allow access by firefighting equipment.

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

Charles T. Gerstell
Environmental Senior Specialist
Regional Representative

Phone: (704) 235-2144 .

Delivered on : 4/15/10 by		Hand delivery	X	Electronic Correspondence		Certified No. [_]

cc: Mark Poindexter, Field Operations Branch Supervisor
Deb Aja, Western District Supervisor