



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Jackson PERMIT NO.: 50-02 FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW		White goods		Incineration		T&P		FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Audit: 3/26/10

Date of Last Audit: 11/19/08

FACILITY NAME AND ADDRESS:

Jackson County Municipal Solid Waste Facility
 Green Energy Park Road
 Dillsboro, NC 28725

GPS COORDINATES: N: 35.37197 E: -83.26136

FACILITY CONTACT NAME AND PHONE NUMBER:

Chad Parker, Director
 Jackson County Solid Waste Department
 828-586-7577

FACILITY CONTACT ADDRESS:

Jackson County Solid Waste Department
 c/o Jackson County Justice Center
 401 Grindstaff Cove Road
 Sylvia, NC 28779

AUDIT PARTICIPANTS:

Troy Harrison, NC DENR DWM-Solid Waste Section
 Chad Parker, Jackson County

STATUS OF PERMIT:

Original Permit issued 9/18/80.
 Permit Amendment issued 2/17/92 approving construction and vertical expansion.
 Permit Modification/Transition Plan issued to closed MSW unit and construction & operation of a C&D unit on 4/14/98.
 C & D Unit required to cease receiving waste on September 30, 2002 via. letter from Jim Coffey, Regional Engineer.
 Approval of landfill gas extraction plan (gas-to-energy) via. letter from Jim Coffey.
 Permit for Closure issued on April 11, 2006.

PURPOSE OF AUDIT:

Comprehensive Audit of Closed MSW and C&D landfill

NOTICE OF VIOLATION(S):

N/A

STATUS OF PAST NOTED VIOLATIONS:

N/A

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

AREAS OF CONCERN AND COMMENTS:

1. A Green Energy Park utilizing landfill gas and a Staffed Recycling Center (SRC) is located on property next to the landfill. A review of the property records using the Jackson County Geographical Information System (GIS) indicates that the landfill property is separate from the other activities operated by Jackson County. Edge of Waste markers had been placed in the landfill.

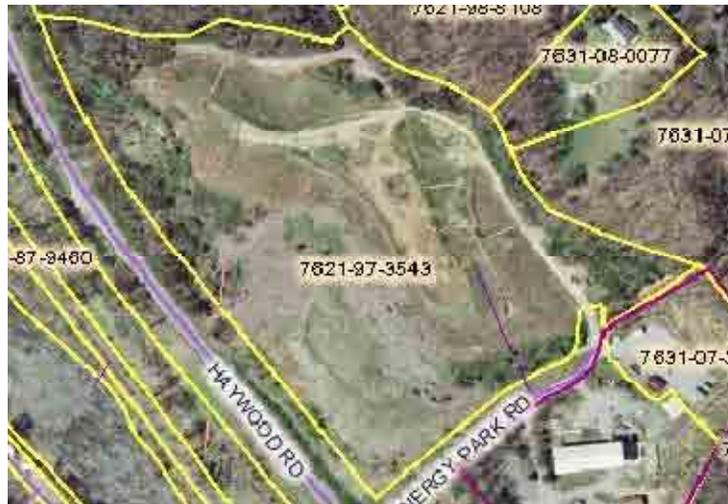


Photo from Jackson Co. GIS 1

2. The cap of the landfill was mowed and well maintained with the exception of a portion of the southern slope. This area is steep and covered with kudzu and a few woody shrubs were observed in this area. **The woody shrubs must be removed to maintain the integrity of the cap.** General Condition 2 of Permit 50-02, issued 4/12/06, requires Jackson County to maintain the integrity and effectiveness of any cap system, including making any repairs to the cover as necessary to correct the effects of settlement, subsidence, erosion, or other elements, and preventing run-on and run-off from eroding or otherwise damaging the cap. The presence of kudzu on the cap is a barrier to effective regular maintenance. **It is requested that the kudzu be removed and the area maintained by sowing with grass.**



Photo of portion of cap taken by Troy Harrison on 3/26/10.

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 3



Photo of portion of cap taken by Troy Harrison on 3/26/10.

3. Several groundhog holes and a groundhog were observed in the cap, these would not be visible during the growing season. **These must be removed to maintain the integrity of the cap.**



Photo of groundhog in center.



Photo of groundhog hole and trail on right.

4. There were several small areas of ponded water around berms. **These will need to be repaired so that water drains off of the cap.**
5. There was a wet area in the slope of the cap that appeared to be a seep but not flowing off of the footprint of the waste. **This will need to be repaired.**



Photo of seep taken by Troy Harrison.

6. General Condition 3 of the Permit for Closure requires Jackson County to maintain and operate the leachate collection system; however, this is an unlined landfill and has never had a leachate collection system.

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 4 of 4

7. Groundwater monitoring wells were located. All of the wells were locked with easy access with the exception of MW-04. MW-04 is behind a gate with a new lock and a key was not available at the time of the audit. Groundwater reports are required to be submitted semi-annually. The reports were received by the Solid Waste Section Hydrogeologist in June and December 2009. Jackson County is required to submit landfill gas monitoring reports quarterly. Jackson County records indicate the reports were sent by Altamont Environmental on 2/09, 5/09, 8/09, 11/09 and 3/10.



Photo of GW monitoring well.



Photo of methane monitoring well.

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

Troy Harrison

828-296-4701

Phone: _____.

 Troy Harrison
 Environmental Senior Specialist
Regional Representative

Delivered on : <u>3/6/2010</u> by		Hand delivery	<input checked="" type="checkbox"/>	E-Mail		Certified No. []
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cc: Mark Poindexter, Field Operations Branch Supervisor
 Deb Aja, Western District Supervisor
 Donald Herndon, Compliance Officer