



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF	<input checked="" type="checkbox"/>	LCID		YW	<input checked="" type="checkbox"/>	Transfer		Compost		SLAS		COUNTY: Bertie PERMIT NO.: 08-03 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods	<input checked="" type="checkbox"/>	Incin		T&P		FIRM		
CDLF		Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: May 5, 2011**Date of Last Audit:** August 27, 2009**FACILITY NAME AND ADDRESS:**

East Carolina Environmental
 1922 Republican Road
 Aulander, North Carolina 27805

GPS COORDINATES: **N:** 36.07205 **E:** 077.040508**FACILITY CONTACT NAME AND PHONE NUMBER:**

Mitch Hoggard office: 252 348 3322 cell: 252 325 1517 fax 252 848 3395
 email: mitch.hoggard@republicservices.com

FACILITY CONTACT ADDRESS:

Republic Services of North Carolina, LLC
 1922 Republican Road
 Aulander, North Carolina 27805

AUDIT PARTICIPANTS:

Ben Barnes, NCDENR Solid Waste Section
 Mitch Hoggard, Operations Supervisor

STATUS OF PERMIT:

Original PTO issued August 8, 1993, PTO for Phase 4 Cell 12 issued June 18, 2008 expires June 15, 2011.
 Application for permit renewal submitted to the Division on January 21, 2011

PURPOSE OF AUDIT:

Comprehensive Audit of lined MSWLF

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.

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STATUS OF PAST NOTED VIOLATIONS:

NONE

COMMENTS:

- 1) The permit, operations plan and drawings were available for review.
- 2) Charles Forth is no longer with the facility Mike Hoggard is currently managing the landfill.
- 3) The operating hours are MF 7:00AM - 5:00PM and Saturday 7:00AM - 2:00PM.
- 4) The service area is North Carolina.
- 5) The signs at the entrance are consistent with permit requirements.
- 6) East Carolina Environmental is currently receiving 1800 TPD and is accepting waste in Phase 4 cell 12. The total approved gross volume that can be accepted is 24,200,000 cubic yards.
- 7) The facility is permitted to receive 1600 TPD based on 365 days per year.
- 8) The Edge of waste markers are placed and marked.
- 9) Freon containing white goods are being placed in a separate area from the other white goods for Freon removal. Stateline is collecting the white goods, handling Freon removal and providing records to Eastern Carolina.
- 10) Asbestos waste is deposited in the toe of a slope. The location and elevation are measured by GPS and this information is logged. The asbestos is covered immediately.
- 11) Leachate is no longer being re-circulated by injection into the waste. Leachate is now being sprayed on the working face and on the haul road.
- 12) Excess leachate is hauled to the Elizabeth City WWTP. There are two leachate storage tanks, one is 250,000 gallons capacity the other one is 162,000 gallons. During this audit one of the leachate storage tanks was empty the other had around 5 feet of liquid. The leachate containment structures are being inspected daily. Tank level and remaining capacity, re-circulated gallons, treated gallons, rain and temp data are recorded and leaks are monitored. Testing is being conducted as required.
- 13) Waste screenings are being conducted as required in the permit and records are being kept of the screenings.
- 14) The facility is permitted to receive sludge which is being comingled with the MSW. Hoggard said the facility is not receiving much sludge at this time so the solidification unit was not being operated.
- 15) Hoggard indicated that one of their compactors has a GPS which monitors the passes and alerts the operator when ideal compaction has been achieved. Hoggard said they are getting compaction rates of 1800 T/cu yd.
- 16) Hoggard indicated that a waste setback of 15 feet is being maintained from the permanent edge of the liner and 10 feet is being maintained for internal berms as required in the permit.
- 17) Methane monitoring is being conducted as required on wells #1 through #11, weather data is being logged as required. Quarterly surface emissions monitoring as part of the methane extraction is also being conducted. Monitoring is being conducted by SWS Engineers.
- 18) A monthly cover log is being kept.
- 19) Tires are being stored in covered trailers and records are OK.
- 20) Asbestos records are kept in customer files rather than in one file, but can be cross reference for location if needed.
- 21) Methods of Alternative Daily Cover being used include Posi Shell, canvas tarps, and Petroleum Contaminated Soil. Posi Shell is being used daily. The others occasionally.

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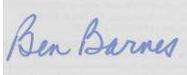
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- 22) Employees are required to take periodic safety and hazardous waste training.
- 23) The certificate of plan approval was posted and NPDES records are being kept.
- 24) Ground water monitoring records were reviewed and are in order. The wells being monitored are GW 2,7,8,9,10,11,13,14,15,16R and 17. Monitoring is being conducted by Golder Associates North Carolina, Inc.
- 25) There is a convenience site at the facility for citizens to dump waste rather than on the working face.
- 26) The sedimentation basins appear to be functioning properly. No off site sedimentation was observed.
- 27) The latest update for the financial assurance mechanism was submitted on March 24, 2011 with a cost estimate of \$8,078,459.
- 28) Facility shut down was observed during the audit and placement of the Posi Shell was viewed. This operation appears to be conducted according to permit requirements.
- 29) The certified personnel are as follows: **Todd Frazer** expires 3/12/10, **Reginald Bazemore** expires 2/3/10, **Edward Baggett** expires 3/26/10, **Mitch Hoggard** expires 6/15/13,

AREAS OF CONCERN AND

- 1) The contingency plan needs to be in a convenient and easy to find place.
- 2) There was not much windblown waste. Extensive use of wind screens was noted.
- 3) There is only one certified operator on the site at this time the other certifications need to be updated.
- 4) The Posi Shell appears to be being managed and applied properly.
- 5) Remember that the requirements for a ground cover sufficient to restrain erosion are not met until the provisions for ground cover have been installed such as seeding or mulching.

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



Phone: 252 459 4502 email: ben.barnes@ncdenr.gov

Environmental Senior Specialist
Regional Representative

Delivered on : May 12, 2011by		Hand delivery	X	Email		Certified No. []
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cc: Dennis Shackelford, Eastern District Supervisor
Donald Herndon, Compliance Officer
Wendy McNeil, Solid Waste Section Secretary

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Leachate storage tanks



Two of the GW monitoring wells



Working face

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Trench being dug in waste for methane collection system



Posi Shell being applied



Working face after Posi Shell applied