NCDENR
NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID	X	YW	X	Transfer		Compost		SLAS	
Closed MSWLF	X	HHW		White goods	X	Incin		T&P		FIRM	
CDLF		Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF	

COUNTY: Chatham
PERMIT NO.: 19-01
FILE TYPE: Compliance

Date of Audit: January 27, 2010 Date of Last Audit: May 5, 2009

FACILITY NAME AND ADDRESS:
Chatham County Sanitary Landfill
720 County Landfill Road
Pittsboro, North Carolina 27312

G.P.S. COORDINATES: N: 35.743064° W: -79. 264147°

FACILITY CONTACT NAME AND PHONE NUMBER:
Robert Holden, Solid Waste Director, Chatham County Waste Management
(919) 542-5516
Robert.holden@chathamnc.org

FACILITY CONTACT ADDRESS:
P.O. Box 905
Pittsboro, North Carolina 27312

AUDIT PARTICIPANTS:
Robert Hearn, NCDENR Solid Waste Section
Jason Watkins, NCDENR Solid Waste Section
Robert Holden, Chatham County
Sonya Gilliland, Chatham County

STATUS OF PERMIT:
Inactive – Sanitary Landfill closure letter issued December 20, 1996

PURPOSE OF AUDIT:
Comprehensive audit

NOTICE OF VIOLATION:
(none)

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to $5,000 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:
(none)

AREAS OF CONCERN AND COMMENTS:

1. This facility consists of a closed sanitary landfill, a white goods and scrap metal collection unit, a tire collection unit, and a yard waste unit. A separately-permitted household hazardous waste collection facility (Permit #19-04) and a notified LCID facility (N0069) also exist at this location. Conducted inspection of the facility, accompanied by Mr. Holden and Mr. Watkins; also met with Ms. Gilliland to review facility records.

2. Observed that the facility is secured when closed by locks in place on the facility gates. Appropriate signage is in place to identify facility permit numbers, hours of operation, and emergency contacts and to direct traffic. The facility service roads were observed to be in good condition.

3. Following recent approval by the Solid Waste Section, an electrical power line has been installed at this facility to provide power to the Chatham County Sheriff's Department firing range that exists on this property. This power line was installed outside the waste boundary of the closed landfill disposal area.

4. Observed that edge-of-waste markers (pin flags) have been installed along the boundary of the disposal area of the closed landfill, as required, as well as the LCID landfill and the yard waste unit. Mr. Holden has placed an order for high-visibility, permanent markers that will be installed to replace the pin flags.

5. No significant erosion was observed on the top or slopes of the landfill. Slope drains are utilized on some slopes to help minimize erosion. County staff should regularly scout permanent landfill slopes and surfaces for erosion. Repair any such areas promptly using adequate soil cover, and establish vegetation sufficient to control erosion.

6. Observed that a good stand of vegetation exists over most of the landfill cap. Saw that some spots recently have been repaired by application of clean soil; seed these areas to establish vegetation if not done already. Continue to scout the landfill surface for depressions where ponding of surface runoff may occur, and repair any such areas by filling with clean soil and grading to achieve desired runoff patterns. Re-seed as needed to establish and/or maintain adequate vegetative cover. The grass cover is mowed a few times each year, and hay is harvested for use on a private farm.

7. Observed that the north slope of the landfill disposal area has been mowed to remove young trees, as directed, for long-term maintenance of the landfill cap. Reseed any bare areas resulting from this maintenance operation, and mow the slope regularly to inhibit growth of trees or bushy plants.

8. A methane monitoring plan was approved by the Section on June 25, 2009. Chatham County is currently reviewing bids submitted for installation of the monitoring system; Mr. Holden expects installation of the system to be completed this summer.

9. Reviewed facility records at the on-site office. Groundwater monitoring reports for the May and November, 2009 sampling events performed by Engineering & Environmental Science Co., Inc. were available on site, as required. The recently-approved methane monitoring plan was also available for review. Scrap tire collection records were reviewed; scrap tire forms should be fully completed for all tires accepted at this facility, including source and number of any tires submitted by persons without a hauler or other merchant I.D. (e.g., residents and businesses). Freon extraction records were available on site to document proper handling of the white goods during collection by the scrap metal processor.

10. A minimal amount of yard waste was observed at the time of inspection, following recent grinding of accumulated material. Maintain adequate space between composting windrows to allow for access by emergency response equipment should it become necessary. Temperature monitoring of the windrows is conducted by county staff, as required, to ensure that pathogen reduction requirements are met, and the windrows are turned periodically to ensure aeration and thorough composting of the material. The mulch/compost product is sold to county residents and businesses. Mr. Holden explained that permanent markers soon will be installed to delineate the yard waste area.

11. White goods and scrap metals are stored within a separate fenced and gated recycling area at this facility. Other common recyclables are collected and stored within this area also. Observed that Freon-containing appliances have been segregated from other appliances/metals and stored so as to protect them from damage until Freon is extracted during processing, as required. Chatham County Waste Management currently contracts with State Line Scrap Metal, Inc. to remove Freon and haul away appliances and other scrap metals for recycling. White goods and metals are currently stored and staged on bare ground in the white goods unit; consider installing a concrete pad for these operations.

12. The service area of this facility is Chatham County. The facility is open Monday through Friday from 7:00 a.m. until 3:30 p.m. Mulch sales are conducted on Saturdays from mid-March through June from 7:30 a.m. until 12:00 p.m. from. The Household Hazardous Waste facility is open the third Saturday of each month (March through November) from 9:00 a.m. until 3:00 p.m.

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

Robert Hearn

Robert Hearn
Solid Waste Section
Regional Representative

Phone: (919) 508-8525

cc: Mark Poindexter, Field Operations Branch Head
Jason Watkins, Central District Supervisor
Shawn McKee, Compliance Officer

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