



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF	<input checked="" type="checkbox"/>	LCID		YW		Transfer		Compost	<input checked="" type="checkbox"/>	SLAS		COUNTY: Wilkes PERMIT NO.: 97-04 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods	<input checked="" type="checkbox"/>	Incin		T&P	<input checked="" type="checkbox"/>	FIRM		
CDFL		Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: May 26, 2010**Date of Last Audit:** November 24, 2009**FACILITY NAME AND ADDRESS:**

Wilkes County Municipal Solid Waste Landfill Facility
 9219 Elkin Hwy
 Roaring River, NC 28669

GPS COORDINATES: N: 36.20761 E: -80.98981**FACILITY CONTACT NAME AND PHONE NUMBER:**

Kent Brandon, Solid Waste Director
 w. 336-696-5806
 c. 336-927-3339
 f. 336-696-2923 (office/garage)
 f. 336-696-3791 (scale house)
 kbrandon@wilkescounty.net

FACILITY CONTACT ADDRESS:

Wilkes County Department of Solid Waste
 PO Box 389
 Roaring River, NC 28669

AUDIT PARTICIPANTS:

John Patrone, NCDENR – Solid Waste Section (SWS)
 Kent Brandon, Solid Waste Director
 Phil Greene, Landfill Supervisor
 Melissa White, Office Manager
 Linda Souther, Recycling Supervisor

STATUS OF PERMIT:

Permit To Operate (PTO) - Modification - issued June 3, 2009
 PTO expires on June 30, 2011

PURPOSE OF AUDIT:

Comprehensive 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.

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 4

STATUS OF PAST NOTED VIOLATION(S):

None

AREAS OF CONCERN AND COMMENTS:

On May 26, 2010, John Patrone met with Kent Brandon, Phil Greene, Melissa White, and Linda Souther to conduct a compliance audit of the Wilkes County Municipal Solid Waste Landfill Facility in Roaring River, Wilkes County.

1. The facility permit will expire on June 30, 2011. The permit renewal application must be submitted to the SWS by January 1, 2011.
2. The facility is permitted to receive municipal solid waste (MSW) from Wilkes County.
3. Solid waste is being accepted in Phase 3. Phases 1 and 2 are no longer in operation and contain intermediate cover. Termination of disposal operations has not occurred.
4. The facility site plan and operations plan were verified.
5. The facility maintains daily, monthly, and annual records of the amount of solid waste received. Records for December 2009 through May 25, 2010 were reviewed. The amount of MSW received from May 1st through 25th is 3,445.38 tons. The facility receives ~ 150 to 200 TPD or ~ 3,500 to 4,500 TPM. Facility throughput for July 2008 through June 2009 is 57,483.58 tons.
6. The following are facility certified personnel:
 - a. Kent Brandon, Certified Landfill Operations Specialist, No. LF-2008802, exp. 08/26/11.
 - b. Phil Greene, Certified Landfill Manager (MOLO), No. 79680, exp. 05/06/11 and Certified Landfill Operations Specialist, No. LF-2004021, exp. 08/31/10 (Mr. Greene stated that the landfill operations specialist certification was renewed spring 2010).
 - c. Olen Nester, Certified Landfill Operations Specialist, No. LF-2005083, exp. 02/13/12.
 - d. Rodney Caudill, Certified Landfill Operations Specialist, exp. 04/14/12.
 - e. Mike Miller, Certified Landfill Operations Specialist, No. LF-2009426, exp. 04/14/12
 - f. Linda Souther, Certified Landfill Operations Specialist, No. LF-2009809, exp. 08/21/12
 - g. Steve Shumate, Certified Landfill Operations Specialist, No. LF-2009810, exp. 08/21/12
7. The facility maintains waste screening reports. Waste screening reports for January 13 through May 25, 2010 were verified. The facility conducts an average of ~ 5 waste screenings a week. As per the facility's operations plan, waste screening must be conducted a minimum of one percent by weight of the previous weeks waste stream.
8. The facility maintains scrap tire certifications. Scrap tire certifications for January 2 through May 22, 2010 were verified. Scrap tires are hauled from the facility by A T Nichols Trucking Company, Inc. (NCT 00694) to US Tire Recycling, LP in Concord, NC. Scrap tires are hauled from the facility six to ten times a month at ~ 10 tons per trailer load.
9. The facility stores white goods containing chlorofluorocarbons (CFCs) adjacent to the recycling collection area. After CFCs are extracted the white goods are brought to the scrap metal area. The facility extracts its own CFCs and maintains records of the amount of CFCs removed. Records for January through April 2010 were verified. Currently, the facility extracts CFCs from ~ five units a month. The facility hauls the collection tanks of CFCs to ACR Supply Company, Inc. in Winston-Salem, NC.
10. The facility manages scrap metal in a container adjacent to the recycling collection area. The container is emptied onto a small cement pad adjacent to the office/garage until it is hauled to scrap metal recyclers.
11. The facility's Local Government Financial Assurance Test for fiscal year 2010 (07/01/09 through 06/30/10), totaling \$5,425,741.00, was approved by the SWS via letter dated February 8, 2010.
12. The facility maintains semiannual groundwater monitoring and leachate test records. Records of groundwater monitoring and leachate tests, conducted on December 16, 2009 were verified. The report contains a statement of no exceedance. The next semi-annual groundwater monitoring and leachate test will be conducted in June 2010.
13. The facility has a 1.5 million gallon leachate pond. During the inspection, the leachate pond had a freeboard of ~ 25 percent. Leachate is pumped-out by Precision Land Applications, Inc. (PLA) and hauled to the Town of Wilkesboro Wastewater Treatment Plant (WWTP). Leachate was pumped-out in December 2009, totaling 625,067 gallons at 104 loads and on March 5, 2010, totaling 53,666 gallons at 9 loads.

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

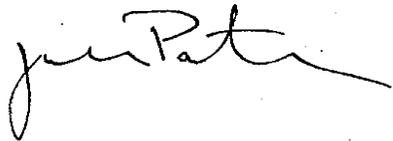
Page 3 of 4

14. The facility had all leachate lines (Nos. 1 through 5) flushed July 16, 2008. On August 21, 2008 the leachate lines were video recorded and on August 26, 2008 they were high-pressure flushed to remove areas of scaling.
15. The facility maintains quarterly methane monitoring records. Records for methane monitoring conducted 4th quarter 2009 on December 11th and 1st quarter 2010 on March 23rd were verified. Records state that the lower explosive limit (LEL) for methane was not exceeded.
16. The facility is approved for the co-disposal of wastewater treatment sludge. The facility is reminded that it must ensure that the wastewater treatment sludge received is analyzed and declared a non-hazardous waste as per (all parameters of) 40 CFR 261.24, "Toxicity Characteristic" and a non-liquid waste as per 40 CFR 264.314 and 265.314, "Paint Filter Liquids Test."
17. The facility is approved for the use of tarps as alternative daily cover (ADC)/alternative cover material (ACM). The facility currently uses tarps. Mr. Brandon and Mr. Greene were told to repair tears in the tarps or have the tarps replaced. They were reminded that soil must be placed over the tears until the tarps are repaired/replaced.
18. The facility is approved for the use of leachate recirculation in Phase 1. The facility does not currently recirculate leachate in Phase 1.
19. The edge of liner in Phase 3 is denoted by white stakes along its perimeter. The facility shall ensure that edge of waste markers are installed and/or delineated in Phases 1 and 2. Mr. Brandon was asked to obtain or develop a statement or illustration that documents the distance of markers from the edge of the liner/waste.
20. Erosion and sedimentation controls appeared to be in good order. Slope and ground cover appeared adequate. The stormwater basin adjacent to the operations area is in the process of being cleaned-out.
21. Water monitoring wells were observed. The wells were locked and labeled.
22. No wind blown material was observed.
23. The facility shall ensure that daily cover is adequate to eliminate spotting of MSW throughout the entire operations area. Mr. Brandon was told to ensure that wet-bank side slopes are covered with soil.
24. The facility is reminded to ensure that side slopes are routinely mowed.
25. The facility is operating an additional soil borrow area. When the permit is modified or renewed the site plan should include all soil borrow areas.
26. The used tires placed along the access road to the working face should not contain standing water. It is suggested that the tires be filled with soil or other similar fill material.
27. The facility has a convenience center that accepts mixed paper, plastic (Nos. 1 through 7), cardboard, glass, metal, aluminum, batteries, used oil, motor vehicle oil filters, and antifreeze.
28. The facility has installed a glass crusher which is used to crush glass bottles collected at the convenience center. The crushed glass is used as maintenance material on-site/for roadways. Approval of the glass crusher was granted by the SWS via letter dated June 8, 2009.
29. The facility is permitted for a Treatment & Processing (T&P) operation. The facility stockpiles land clearing debris (LCD) and wooden pallets in two separate piles to be ground into mulch. Mr. Brandon stated that material has been ground into mulch one time since the permit modification, June 3, 2009. The facility plans to grind material two or three times a year and use the mulch for site maintenance.
30. The facility is permitted for a Type 1 Compost Unit. The facility does not currently operate a compost unit. The facility is reminded that if yard trash (solid waste resulting from yard maintenance) is accepted it is required to operate the Type 1 Compost Unit.
31. Wastes received and product stored appeared to be maintained in reasonably sized piles with adequate fire breaks and lanes.
32. A conditionally approved temporary disaster debris staging site (TDDSS, No. DS-97002) is located at the facility. The proposed area was observed: no material is stored on the site and the area has been sown with grass seed.
33. When the permit is modified or renewed an operational condition for white goods should be added.
34. The facility has proper signage.
35. The facility is secured by a locked gate.

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 4 of 4

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



John Patrone
Environmental Senior Specialist
Regional Representative

Phone: 336-771-5095 Fax: 336-771-4631

Delivered on : <u>May 28, 2010</u> by		Hand delivery/email	X	US Mail		Certified No. []
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- cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, Central Regional Supervisor
Donald Herndon, Compliance Officer
Allen Gaither, Environmental Engineer
Phil Greene, Landfill Supervisor
Melissa White, (landfill) Office Manager