



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		
CDLF		Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: May 25, 2011

Date of Last Audit: May 26, 2010

FACILITY NAME AND ADDRESS:

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

GPS COORDINATES: **N:** 36.21092 **E:** 80.98776

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)
w. 336-696-3867 (scale house)
f. 336-696-3791 (scale house)
kbrandon@wilkescounty.net

FACILITY CONTACT ADDRESS:

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

AUDIT PARTICIPANTS:

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

STATUS OF PERMIT:

Permit To Operate (PTO) - Modification - issued June 3, 2009
PTO expiration date June 30, 2011
Permit Amendment under review by SWS

PURPOSE OF AUDIT:

Comprehensive Audit

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NOTICE OF VIOLATION:

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 VIOLATION(S):

None

AREAS OF CONCERN AND COMMENTS:

On May 25, 2011, John Patrone met with Kent Brandon, Phil Greene, Melissa White, and Linda Souther to conduct a comprehensive audit of the Wilkes County Municipal Solid Waste Landfill Facility on Elkin Hwy (Hwy 268) in Roaring River, Wilkes County.

1. The facility permit amendment for Phase 4 was received by SWS on January 31, 2011. The permit amendment is currently under review by SWS.
2. The facility permit amendment is for vertical expansion (Phase 4) atop Phases 1, 2, and 3. Mr. Greene stated that Phase 3 will be filled to an elevation of 1,088 feet, which will take ~ 2.5 years. Phase 4 will be filled to an elevation of 1,170 feet.
3. Solid waste is being accepted in Phase 3. Phases 1 and 2 are no longer in operation and contain intermediate cover.
4. The facility permit, site plan, and operations plan were discussed.
5. The facility is permitted to receive municipal solid waste (MSW) from Wilkes County.
6. The facility, at a minimum, must not accept for disposal hazardous waste, yard trash, liquid wastes, regulated medical waste, sharps not properly packaged, Polychlorinated Biphenyl (PCB) waste, and wastes banned from disposal in North Carolina.
7. The facility maintains daily, monthly, and annual records of the amount of solid waste received. The amount of MSW received for June 2010 through May 23, 2011 is 46,479.40 tons. The facility received an average of 4,225 TPM. The facility annual report was received July 26, 2010. Facility throughput for July 2009 through June 2010 is 49,571.30 tons (average of 4,131 TPM).
8. The facility capacity is approved for 58,200 tons per year.
9. The following are facility certified personnel:
 - a. Kent Brandon, Certified Landfill Inspector, No. 93498, exp. 06/26/12 (SWANA email dated 04/15/11 states that Mr. Brandon's certification has been upgraded to manager level).
 - b. Phil Greene, Certified Landfill Manager (MOLO), No. 79680, exp. 05/06/14 and Certified Landfill Operations Specialist, No. LF-200980, exp. 08/21/12
 - 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
10. The facility maintains waste screening reports. Waste screening reports for January 3, 2011 through May 24, 2011 were verified. The facility conducts an average of ~ 5 waste screenings a week. Waste screenings are conducted for 1 percent of tons MSW received.
11. The facility maintains scrap tire certifications. Scrap tire certifications for June 2010 through May 2, 2011 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.

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12. 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 June 2010 through May 25, 2011 were verified. The facility extracts CFCs from ~ 10 - 12 units a month, collecting ~ 2.5 lbs of CFCs. The facility hauls CFC collection tanks to ACR Supply Company, Inc. in Winston-Salem, NC.
13. 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. Scrap metal is then placed in a roll-off container and hauled to a scrap metal recycler.
14. The facility submitted its Local Government Financial Assurance Test dated 12/22/10 for fiscal year ending 06/30/11, totaling \$5,490,850. The facility may be required to update the Local Government Financial Assurance Test prior the (amended) permit issuance.
15. The facility maintains semiannual groundwater monitoring and leachate test records. Records of groundwater monitoring and leachate tests, conducted on June 22, 2010 and September 13th and 14th and November 2, 2010 were verified. The reports contain a statement of no exceedance. Joyce Engineering, Inc. conducts facility groundwater monitoring and leachate tests.
16. 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 August 2010 and March 2011, totaling 6,225.58 tons.
17. The facility maintains quarterly methane monitoring records. Records for methane monitoring conducted 1st quarter through 4th quarter 2010 (03/23/10, 06/04/10, 09/14/10, and 12/22/10) and 1st and 2nd quarter 2011 (01/31/11 and 04/12/11) were verified. Methane monitoring reports do not indicate exceedance of applicable standards. Joyce Engineering, Inc. conducts facility methane monitoring. Ensure that the public restroom is monitored for methane and/or that the structure is listed on the monitoring report.
18. The facility is approved for the co-disposal of wastewater treatment sludge (WWTS). Mr. Brandon stated that the facility receives WWTS from the Town of Wilkesboro WWTP several times a week. Wastewater treatment sludge is required to be analyzed and declared a non-hazardous waste per (all parameters of) 40 CFR 261.24, "Toxicity Characteristic" and a non-liquid waste per 40 CFR 264.314 and 265.314, "Paint Filter Liquids Test." The facility maintains a copy of a toxicity characteristic leaching procedure (TCLP), paint filter test, and percents solids. The tests were conducted by Meritech, Inc. Environmental Laboratories on 02/09/11 (sample Id No.: 02091156).
19. The facility is approved for the use of tarps as alternative daily cover (ADC). The facility routinely uses two tarps and has purchased two more to be swapped-out. Tarps are used for five days/as needed (Monday through Friday).
20. The facility is approved for the use of leachate recirculation in Phase 1. The facility does not currently recirculate leachate in Phase 1.
21. The edge of liner at Phases 1, 2, and 3 is denoted by white stakes along the perimeter. The facility maintains a site map stating that edge of waste markers are ~ 20 feet from MSW.
22. Erosion and sedimentation controls appeared in good order.
23. Water monitoring wells were observed. The wells were locked and labeled.
24. No wind blown material was observed.
25. The landfill cap (all phases) is mowed twice a year.
26. The facility has a convenience center that accepts mixed paper, plastic and glass bottles, cardboard, steel, aluminum, batteries, used oil, motor vehicle oil filters, and antifreeze.
27. The facility has a glass crusher which is used to crush glass bottles collected at the convenience center. The crushed glass is used on site for maintenance and beautification.
28. The facility collects computer equipment and televisions at its convenience center. Computer equipment and televisions are hauled to North Iredell Grinding, Inc.
29. The facility will begin collecting fluorescent lights from County buildings and the general public beginning July 1, 2011. Florescent lights are picked up by Heritage-Crystal Clean LLC in Charlotte, NC.
30. The facility will begin collecting thermostats from County buildings and the general public beginning July 1, 2011. Thermostats are shipped-out in a small tote container to the Thermostat Recycling Corporation (TRC) in Arlington, VA.

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31. The facility is permitted for a Treatment & Processing (T&P) operation. Land clearing debris (LCD) and wooden pallets are stockpiled to be ground into mulch. Currently, there is no mulch on site. The facility grinds material annually during the summer months and uses the mulch for site maintenance and beautification. Material was last ground in September 2010: Pallets = 22.41 tons and LCD = 18.23 tons.
32. The facility is permitted for a Type 1 Composting Unit. The facility does not currently operate the 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.
33. A conditionally approved temporary disaster debris staging site (TDDSS, No. DS-97002) for vegetative and demolition debris is located at the facility, adjacent to the active landfill phase. The proposed area was observed. No material is stored on the site.
34. The facility has proper signage.
35. Access roads are of all weather construction.
36. The facility is secured by a locked gate. Facility personnel are on site during operating hours.

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 31, 2011</u> by		Hand delivery/email	X	US Mail		Certified No. <u> </u>
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- cc: Jason Watkins, Central Regional Supervisor
 Donald Herndon, Compliance Officer
 Allen Gaither, Environmental Engineer
 Phil Greene, Landfill Supervisor
 Melissa White, Office Manager
 Linda Souther, Recycling Supervisor