



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Alamance PERMIT NO.: 01-02 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin	X	T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: 01/06/10**Date of Last Audit:** 6/04/09**FACILITY NAME AND ADDRESS:**

Stericycle, Inc.
 1168 Porter Avenue
 Haw River, North Carolina 27258

GPS COORDINATES: N: 36.06564 E: 79.34915**FACILITY CONTACT NAME AND PHONE NUMBER:**

Alan Skrzypczak, Facility Manager
 336-578-8900 ext.24
 email address: askrzpczak@stericycle.com

FACILITY CONTACT ADDRESS:

SAME

AUDIT PARTICIPANTS:

Alan Skrzypczak, Stericycle, Inc.
 Chris Marriott, NCDENR-SWS

STATUS OF PERMIT:

Original Permit Issued: January 31, 1991
 Permit Modification Issued: January 9, 1998
 Permit Renewal (Name change & Revised Operation Plan): September 15, 2003
Permit Review Date: September 15, 2008

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.

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STATUS OF PAST NOTED VIOLATIONS:

None

AREAS OF CONCERN AND COMMENTS:

- 1) The facility is a medical waste treatment operation consisting of two incinerators.
- 2) The site typically operates 24 hours per day in 2-12 hour shifts, 7 days per week. Exceptions to this schedule are for scheduled maintenance and repair down time.
- 3) The facility accepts non-hazardous waste consisting of regulated medical waste, unregulated medical waste, controlled substances seized by law enforcement, chemotherapeutic waste, health care industry documents, USDA-APHIS international waste, and pharmaceuticals.
- 4) There is no defined service area for the facility in the Solid Waste Permit. The facility typically receives waste from all 100 North Carolina counties and approximately 15-20 additional states.
- 5) Permit review date was September 15, 2008. A request for review was made by Stericycle, Inc. on October 27, 2008.
- 6) The Title V air permit has expired. A renewal application was submitted on August 31, 2006 as required with the Division of Air Quality schedule for permit renewals.
- 7) Viewed employee training records for recent training on blood-borne pathogens.
- 8) Continuous monitoring and recording of chamber temperatures is completed by a circular chart recorder.
- 9) The facility operating records were checked. A detailed review of daily operating records for December 8-9 was completed. The chart recorders indicated that temperatures exceeded the minimum of 1200 degrees F. for the primary chamber, and 1800 degrees F. in the secondary chamber during operations of both incinerator units. On December 8, 2009, load rates for unit #1 ranged from 0 (no hourly load) to 1909.9 lbs/hour, with an average load rate of 1786.9 lbs/hr. On the same day, the unit #2 load rates ranged from 1136.3 to 1909.9 lbs/hr, with a daily average of 1835 lbs/hr. These load rates are below the permit maximum of 1911 lbs/hr.
- 10) At the time of inspection both incinerator #1 and incinerator #2 were in operation.
- 11) There is no long term storage of medical waste inside the building. All waste is staged and processed directly from incoming refrigerated trailers. Accepted waste is typically charged into the incinerator within 12 hours of unloading from a trailer.
- 12) A check of the readouts during the visit indicated temperatures of 1945 degrees F in the upper and 1895 degrees F in the lower chamber of unit #1. Unit 2 readout indicated temperatures of 1980 degrees F and 1797 degrees F in the upper and lower chambers, respectively. All of these temperatures are above the minimum operating temperatures for each chamber.
- 13) Ash generated by the incinerator is processed through a water squelch, then transferred to a 20 yard container, dewatered, and hauled by Republic Waste to Upper Piedmont Landfill in Rougemont, NC. The facility generally fills 2 of the 20 yard containers each operating day.
- 14) Drain water from the ash is collected via floor drains and either piped back to the pre treatment/water reuse system for the squelch or diverted to the City of Graham WWTP.
- 15) The facility samples the ash for pH, free liquids, and TCLP constituents (excluding herbicides and pesticides) listed in US EPA manual SW-846 twice a year.
- 16) Ash was sampled for the complete parameter list on June 17, 2009 and November 30, 2009. The samples were sent to a NC certified laboratory and the results indicated that all TCLP concentrations were below hazardous levels.
- 17) Due to prior results indicating levels of lead that may be hazardous, the facility takes additional ash samples analyzed only for lead twice a year. The most recent lead only sampling occurred on August 17, 2009. The TCLP result was 0.18 mg/L. This result is below the hazardous regulatory

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limit of 5.0 mg/L, allowing for continued disposal of the ash in a NC Subtitle D landfill.

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



Phone: 336-771-5090.

Chris Marriott
Environmental Senior Specialist
Regional Representative

Delivered on : <u>January 19, 2010</u> by		Hand delivery	<input checked="" type="checkbox"/>	email		Certified No. []
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cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, Central District Supervisor
Donald Herndon, Compliance Officer