



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Durham PERMIT NO.: 32-091 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: 8/26/09Date of Last Audit: 3/24/09**FACILITY NAME AND ADDRESS:**

GlaxcoSmithKline, Inc.
 3025 Cornwallis Road
 RTP, Durham County, NC

GPS COORDINATES: N: 35.92026E: -78.86762**FACILITY CONTACT NAME AND PHONE NUMBER:**

Neal Parker 919-483-1696

FACILITY CONTACT ADDRESS:

5 Moore Drive, Nth-P1156
 GlaxcoSmithKline, RTP, NC 27709

AUDIT PARTICIPANTS:

Neal Parker, Manager Environmental, Health, Safety Operations
 Chris Marriott, NC DENR

STATUS OF PERMIT:

Original Issue (PTO): February 8, 1996
 Modification/Renewal (change in ownership/change in service area): May 14, 2002
 Amendment (Permit Renewal): March 22, 2007
 Modification(change in ash/lime sampling procedure): August 19, 2009
 Permit Review Date: March 22, 2012

PURPOSE OF AUDIT:

Partial 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.

STATUS OF PAST NOTED VIOLATIONS:

None

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AREAS OF CONCERN AND COMMENTS:

- 1) The facility is a medical waste incinerator that traditionally operates 4 days a week (Tuesday-Friday), 8-10 hours per day. The incinerator is usually cleaned each Monday.
- 2) The facility accepts waste from GlaxoSmithKline's nationwide facilities. The only non-GSK waste is law enforcement seizure of controlled substances.
- 3) Less than 10% of the waste accepted and incinerated at the facility is infectious waste.
- 4) The facility has a NCDENR Air Quality permit (4612T29), issued on December 3, 2008.
- 5) The new ash sampling procedure was discussed as modified in the Solid Waste Permit. The first sampling event under the new procedure is expected to be completed in October 2009.
- 6) The upcoming employee annual training was discussed, the training is scheduled for September 2009.
- 7) The facility has floor drains to control leachate, spilled liquids, and ash dewatering. The floor drains are connected to the Durham sanitary sewer.
- 8) Lime is used as part of the air quality controls at the facility. Spent lime is kept in a covered water tight container. The spent lime sampling was changed in the recent Solid Waste Permit Modification.
- 9) All incoming waste is kept inside the building or in adjacent Warehouse B prior to incineration. No waste is stored outside.
- 10) Any biological waste stored greater than one day is kept in a refrigerator until loaded into the incinerator. The refrigerator contained one rack of biological waste at the time of inspection. The temperature inside the refrigerator was 36.5 degrees Fahrenheit during the inspection.
- 11) At the time of inspection the lower incinerator chamber was 1539 degrees F. The minimum operating temperature for this chamber is 1350 degrees.
- 12) The upper incinerator chambers were 1842 and 1862 degrees Fahrenheit. The minimum operating temperatures for the upper chambers is 1800 degrees Fahrenheit.
- 13) In July 2009, the facility was averaging 1457 lbs./hour for a total of 152,936 lbs. incinerated.
- 14) For the 2nd quarter of 2009 (April-May-June), the percent of medical infectious waste was 5.85%, which is well below the 10% limit.
- 15) The daily log from August 19, 2009 was examined. The log indicates that the facility operated for 3.5 hours that day and burned 4,544 lbs. of waste for an average of 1298 lbs/hr.
- 16) The material being processed into the incinerator on August 19, 2009 consisted of: pallets, animal bedding, Flovent & other pharmaceuticals.

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



 Chris Marriott
 Environmental Senior Specialist
 Regional Representative

Phone: 336-771-5090

Delivered on : <u>September 8, 2009</u> by		Hand delivery	X	E-Mail		Certified No. []
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cc: Mark Poindexter, Field Operations Branch Supervisor
 Jason Watkins, Central District Supervisor
 Donald Herndon, Compliance Officer