



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

| | | | | | | |
|--------------|-----------------------|---------------|---------------------|---------|---------------|---|
| Lined MSWLF | LCID | YW | Transfer | Compost | SLAS | COUNTY: Washington PERMIT NO.: 94-06TP FILE TYPE: COMPLIANCE |
| Closed MSWLF | HHW | White goods | Incin | T&P | X FIRM | |
| CDFL | Tire T&P / Collection | Tire Monofill | Industrial Landfill | DEMO | SDTF | |

Date of Audit: 27 January 2011

Date of Last Audit: 18 May 2009

FACILITY NAME AND ADDRESS:

American Environmental Group AEG Medical Waste Treatment Facility
 301 Saint David Road (NC S.R. 1158)
 Creswell, NC 27928

GPS COORDINATES: **N:** 35.87215 **E:** 076.38805

FACILITY CONTACT NAME AND PHONE NUMBER:

Todd Shaubauch
 757.494.9399

FACILITY CONTACT ADDRESS:

American Environmental Group
 465 East Indian River Road
 Norfolk, VA 23523

Attn: Operations Manager; NC Autoclave Facility

AUDIT PARTICIPANTS:

Antonio Cahoon; Bay Disposal-Site Supervisor
 Mary Whaley; NCDENR-Solid Waste
 Ben Barnes; NCDENR-Solid Waste
 Andrew Hammonds; NCDENR-Solid Waste
 Wes Hare; NCDENR-Solid Waste
 Ray Williams; NCDENR-Solid Waste

STATUS OF PERMIT:

Active; Permit to Operate issued 22 May 2009, expires 22 May 2014. A complete permit review request including updated facility, operations, and waste screening plans is due on or before 22 December 2013. This application must comply with the rules and regulations in effect at the time of the application.

PURPOSE OF AUDIT:

Comprehensive

NOTICE OF VIOLATION(S):

None; *please see* AREAS OF CONCERN AND COMMENTS section below.

STATUS OF PAST NOTED VIOLATIONS:

None applicable

AREAS OF CONCERN AND COMMENTS:

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- 1) This facility is a Medical Waste Treatment Facility consisting of two autoclave units and associated facility appurtenances for the storage and processing of treated and untreated medical waste.
- 2) This facility is permitted to receive “Medical Waste” as defined by NCGS 130A-290(a)(17a), “Regulated Medical Waste” as defined by 15A NCAC 13B .1201(10), and “Certain garbage” as specified in 7 CFR 330.400 –Subpart Garbage and 9 CFR 94.5- Regulation of certain garbage; generated in Maryland, North Carolina, South Carolina, Virginia, and Washington D.C.
- 3) This facility is permitted to operate 24 hours per day, 365 days per year at a capacity not greater than 84 tons of waste per 24 hour period. However, operation hours are typically Monday through Friday from 7:00 AM until 5:30 PM.
- 4) This facility is secured by means of perimeter fencing with a locked gate at the facility entrance. The building and property are monitored electronically with cameras. The buildings are secured with access-controlled doors, motion sensing equipment, and off-site monitored fire detection equipment.
- 5) Proper signage is posted at the entrance to the facility stating the permit number, contact information, and listing banned/excluded wastes.
- 6) Any pathological medical waste which cannot be treated at this facility is transported to the BMW NC Inc. Solid Waste Incinerator, permit #60-09I, in Matthews, NC.
- 7) Sharps are currently being transported to the Bay Disposal Medical Waste Treatment Facility in Yadkinville, NC for proper management.
- 8) All treated waste is transported to the East Carolina Environmental Regional MSW Landfill, permit #08-03, in Aulander, Bertie County, NC.
- 9) The facility access road is of all weather construction and is being well maintained.
- 10) This facility is currently operating at full capacity.
- 11) This facility is currently transporting +/- 200 tons of waste per month to the East Carolina Regional Landfill.
- 12) This facility maintains two boilers on-site for steam generation; of which, only one unit was in operation during this audit.
- 13) Five fire extinguishers and two hose-bibs are maintained for fire control.
- 14) This facility screens all incoming loads as they are unloaded at the dock.
- 15) The autoclaves are serviced monthly by Johns Brothers HVAC of Norfolk, Virginia.
- 16) The autoclave units are tested through microbial monitoring by the Site Supervisor on a weekly basis using a 3M Attest Biological Indicator Incubator to document and record the adequacy of the steam sterilization process.
- 17) Both autoclave units were in operation during this audit.
- 18) The facility floor is washed down and sanitized daily and the walls are washed down as needed.
- 19) In-coming containers are cleaned and sanitized before re-use as required. All processing and sanitization is performed in a timely manner.
- 20) All containers are stored and processed in an orderly manner, with sanitized units maintained separately from un-sanitized units.
- 21) Waste handling procedures were observed during this audit. Proper safety precautions and efficient processing methods by all facility personnel were noted.
- 22) Waste is removed from the autoclave units promptly upon cycling and placed into the compaction units located at the rear of the facility for compaction and transportation to the landfill.
- 23) The certified operators are as follows:

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|-----------------|---|
| Antonio Cahoon: | Blood Borne Pathogens USDA Foreign Garbage Handling Hazards Communication |
| William Cahoon: | Blood Borne Pathogens USDA Foreign Garbage Handling Hazards Communication |
| Shauon Horton: | Blood Borne Pathogens USDA Foreign Garbage Handling Hazards Communication |

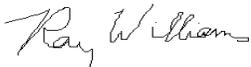
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Clarence Weeks: Blood Borne Pathogens
 USDA Foreign Garbage Handling
 Hazards Communication

- 24) *It is recommended that a single training log be maintained detailing each training session, documenting all facility personnel in attendance, and the date of completion.
- 25) All waste records listing the date, time, number of units, and quantity received and processed were complete, in order, and presented for review during this audit.
- 26) The approved Facility Permit, Operations, and Contingency Plans were complete and presented for review during this audit.
- 27) A complete copy of the facility contingency plan including emergency contact information is maintained in the site supervisor's office. *Please ensure that the facility's emergency contingency plan is prominently posted in an area readily accessible by all facility personnel.
- 28) Department of Labor and Department of Agriculture Certifications were complete and presented for review during this audit.
- 29) Financial assurance documents are not maintained at this facility. *Please ensure that complete up-to-date documentation of financial assurance in the amount of \$55, 400.00 is maintained on-site.
- 30) Refrigerated trailers are maintained on-site for the proper storage of pathological waste until transport to the waste incineration facility.
- 31) An adequate number of trailers are maintained on-site for the transportation of waste processed by the facility.
- 32) Digital photographs were taken during this audit; *please see photographs attached below.*
- 33) ***Corrective actions are needed as a result of this Audit.**

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



Ray Williams; Environmental Senior Specialist Phone: 910.796.7342 E-mail: ray.williams@ncdenr.gov

Regional Representative

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|---|--|---------------------|----------|---------|--|-------------------|
| Delivered on: <u>28 January 2011</u> by | | Electronic delivery | X | US Mail | | Certified No. [] |
|---|--|---------------------|----------|---------|--|-------------------|

cc: Mark Poindexter; Field Operations Branch Head/SWS: mark.poindexter@ncdenr.gov
Dennis E Shackelford; Eastern District Supervisor/SWS: dennis.shackelford@ncdenr.gov
Donald Herndon; Chief Compliance Officer/SWS: donald.herndon@ncdenr.gov
Wendy McNeil; FRO Administrative Services/SWS: wendy.mcneil@ncdenr.gov

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Proper signage at the facility entrance



Boiler units



Autoclave units in process and during removal after process completion



Loading dock: near end used for unloading of waste, far end used as sanitization area. Sanitized containers stored for transport.