



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

**UNIT TYPE:**

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Guilford PERMIT NO.: 41-17 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P	<input checked="" type="checkbox"/>	FIRM		
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** 10/26/11

**Date of Last Inspection:** 03/17/11

**FACILITY NAME AND ADDRESS:**

A-1 Sandrock, Inc.  
 2901 Bishop Road  
 Greensboro, North Carolina, 27406

**GPS COORDINATES:** N: 35.99210 E: 79.84738

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Ronnie E. Petty III  
 Office: 336-855-8195  
 Cell: 336-736-2104  
 Mike McFeeley  
 Cell: 336-301-8411  
 e-mails:  
 ronniepetty@a1sandrockinc.com  
 mike@a1sandrockinc.com

**FACILITY CONTACT ADDRESS:**

A-1 Sandrock, Inc.  
 2901 Bishop Road  
 Greensboro, North Carolina, 27406

**PARTICIPANTS:**

Ronnie Petty, A-1 Sandrock  
 Jimmy Petty, A-1 Sandrock  
 Lee Hill, Guilford County  
 Hugh Jernigan, North Carolina Solid Waste Section

**STATUS OF PERMIT:**

Original Permit to Construct, Phase 1 Issued: February 7, 2004  
 Permit to Construct Modification Issued: June 1, 2006  
 Permit to Operate Phase 1, Cell A Issued: April 17, 2009  
 Permit to Operate Phase 1, Cells A&B: February 28, 2011  
**Permit Expires: November 6, 2013**

**PURPOSE OF SITE VISIT:**

Comprehensive Inspection

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**STATUS OF PAST NOTED VIOLATIONS:**

None

**OBSERVED VIOLATIONS**

None

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be 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 Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties 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.

**ADDITIONAL COMMENTS**

1. The facility is a Construction and Demolition Landfill and Treatment and Processing facility.
2. The facility received a Permit to Construct, dated June 1, 2006, for the construction of the Phase 1 Construction and Demolition Landfill (8.18 acres) and for the Treatment and Processing operations.
3. A Permit to Operate was issued on April 17, 2009 for Phase 1, Cell A (2.54 acres) of the Construction and Demolition Landfill.
4. The facility began receiving waste on April 20, 2009.
5. The Construction and Demolition Landfill is regulated by 15A NCAC 13B, .0531-.0547 for all current operations and future landfill cell construction.
6. A Permit to Operate was issued February 28, 2011 for Phase 1, Cells A & B (total of 5.72 acres of disposal area, and Permit to Construct Cell C (2.46 acres)
7. Conducted a review of the conditions of the Permit to Operate, Franchise Agreement, Facility Operational Records, and Facility Operations Plan.
8. The facility has an active franchise agreement with Guilford County, initially issued November 6, 2003 and amended January 8, 2009.
9. The facility is approved to accept up to 300 tons per day or 84,000 tons per year based on 5.5 day working week and 52 weeks per year.
10. A recycling process to reclaim at least ten percent (10%) of the waste received must be implemented by the facility in accordance with the approved franchise agreement (dated November 6, 2003 and amended March 17, 2009) with Guilford County.
11. The initial Permit to Operate included conditions for approval of a Treatment and Processing operation for a six (6) month demonstration period (until October 20, 2009), and required the permittee to submit a report to the Solid Waste Section on the operation of the demonstration within 20 days of the completion of the 6 month demonstration, including suggested or necessary changes for the Solid Waste Section to review the report, extend the demonstration, approve the operation, or terminate approval.
12. The report of the demonstration period was submitted in December 2009 to the Solid Waste Permitting Section, and continued operations were approved in the February 28, 2011 permit issuance.
13. The facility is permitted to receive waste generated in counties within a fifty (50) mile radius of the site as approved in the franchise agreement with Guilford County, including Alamance, Cabarrus, Caswell, Chatham, Davidson, Davie, Durham, Forsyth, Guilford, Lee, Montgomery, Moore, Orange, Person, Randolph, Rockingham, Rowan, Stanly, Stokes, Surry, and Yadkin counties.
14. The Permit has been recorded with the Guilford County Register of Deeds and submitted to the Solid Waste Section, as required under Attachment 1, Part IV, General Permit Conditions, Item #3 of the Permit to Operate.
15. Financial Assurance documentation has been submitted and approved by the Solid Waste Section.

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16. All facility records are to be maintained and available for review at the site.
17. Reviewed operator training records for the facility. The following have approved SWANA certifications: Mike McFeeley, Certified Landfill Manager, expiration date-February 22, 2014; Ronald Petty, Certified Landfill Manager, expiration date-June 10, 2014; James Swaney, Certified Landfill Operations Specialist, expiration date -October 8, 2013, and George Sudderth, Certified Landfill Operations Specialist, expiration date- February 13, 2012 .
18. The facility has an approved NPDES Storm Water permit, reissued on December 29, 2009.
19. The facility has an active mining permit (North Carolina Mining Permit 41-22) issued by Land Quality.
20. Reviewed the Surface Water/Ground Water/Landfill Gas monitoring program (5 ground water monitoring wells, 4 surface water monitoring locations and 7 landfill gas probes).
21. Reviewed the semiannual ground water/surface water monitoring report for the sampling event conducted on May 24-25, 2011.
22. Landfill gas monitoring is conducted quarterly by Golder Associates utilizing a GEM 2000 Plus monitor. Reviewed the August 11, 2011 and May 25, 2011 landfill gas monitoring reports. No methane was detected at landfill monitoring locations or facility structures.
23. Reviewed random inspection/waste screening program. The approved operations plan requires a minimum of three random inspections of incoming waste to be conducted weekly. Review of random inspection records verified compliance with the inspection frequency. For the period 10/3/11-10/26/11, 14 random inspections have been completed.
24. As per the approved Operations Plan, the facility is to maintain and document activities on an Operation and Maintenance (O&M) Checklist. Documentation of daily, weekly, monthly, and semi-annual action items as listed in the approved Operational Plan are to be included on the O&M Checklist.
25. Observed Construction and Demolition Landfill operations and Treatment and Processing operations.
26. The facility is currently accepting an average of approximately 150-200 tons per day of Construction and Demolition waste.
27. Based on tonnage records, the facility received 4,140.84 tons during the month of September 2011. Outgoing materials from processing operations during the same period totaled approximately 71 tons of mulch/boiler fuels, 17 tons of processed concrete and aggregate, 15 tons of cardboard, and 198 tons of metals.
28. The working face of the C&D Landfill was small and well compacted.
29. Active sorting of recyclables was being conducted on the C&D Landfill, and the picking line was in operation at the time of the inspection.
30. Materials current being separated and processed include wood products for boiler fuels and mulch, earthen inert materials (rock, stone, concrete..for processing into aggregate), metals, and cardboard.
31. Incoming construction and demolition waste was being directly processed by the picking line during the inspection. A minimal amount of incoming materials waiting for processing is being maintained at the site.
32. The area around the picking line was free of accumulated debris. Fines from the initial sorting process are taken to the landfill working face periodically during the day.
33. Processing (tipping, sorting, loading of recyclables) from incoming C&D waste is conducted within the footprint of the C&D Landfill at a minimum of 50 feet from the working face.
34. The Treatment and Processing of C&D waste and collected recyclable materials are being stored in containers or stockpiled as per the approved Operations Plan.
35. Grinding of concrete for aggregate was being conducted during the inspection, as approved in the facility Operations Plan.
36. Proper signage for the facility was observed.
37. Windblown materials are effectively controlled and collected. A litter control fence has been constructed around the periphery of the active landfill area.

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- 38. Adequate all weather roads have been constructed for ingress and egress at the facility. The facility has purchased a water truck for dust control.
- 39. Edge of waste boundary markers are in place for the Phase 1, Cell A & B landfill area. Edge of waste boundary markers are to be maintained at all times for all landfill areas permitted to receive waste.
- 40. Sedimentation basins in place, and maintained with adequate retention space. No on-site or off-site erosion observed.
- 41. Seeding of the landfill side slopes has been conducted and vegetative cover has been established.
- 42. Observed facility monitoring wells. Note: All monitoring well are to be locked at all times, excepting scheduled sampling events.
- 43. The Treatment and Processing operations are separated into C&D and LCID components.
- 44. LCID materials are not to be combined with other materials prior to being processed. C&D and similar LCID materials may be combined for final processing (such as wood waste to be ground for boiler fuels and inert debris to be crushed for aggregate).
- 45. The LCID Treatment and Processing was being conducted as per the approved Operations Plan. There was a small amount of LCID materials on site at the time of the visit.

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



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 Environmental Senior Specialist  
*Regional Representative*

Phone: 336-771-5093

Sent on: 10/27/11	X	Email		Hand delivery		US Mail	Certified No. [ ]
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Copies: Jason Watkins, Western District Supervisor  
 Shawn McKee, Compliance Officer