



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Durham PERMIT NO.: 32-05 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P	<input checked="" type="checkbox"/>	FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: December 6, 2011 **Date of Last Inspection:** December 16, 2009

FACILITY NAME AND ADDRESS:

B&B Top Soil Mine, Inc. Treatment and Processing Facility
 1800 Hamlin Road
 Durham, NC 27704

GPS COORDINATES: N: 36.05558 E: 78.85264

FACILITY CONTACT NAME AND PHONE NUMBER:

Billy Andrews, Vice President
 B&B Top Soil Mine, Inc.
 w. 919-477-6328
 c. 919-998-8832
 f. 919-471-4857
 www.bandbtopsoilmine.com
bandbtopsoil@aol.com

FACILITY CONTACT ADDRESS:

Billy Andrews, Vice President
 B&B Top Soil Mine, Inc. Treatment and Processing Facility
 1800 Hamlin Road
 Durham, NC 27704

PARTICIPANTS

John Patrone, NCDENR – Solid Waste Section (SWS)
 Billy Andrews, Vice President
 George Andrews, Office Manager
 William (Brenn) Andrews, Assistant Office Manager

STATUS OF PERMIT:

Permit To Operate (PTO) issued November 4, 2009
 PTO expiration date November 4, 2014

PURPOSE OF SITE VISIT:

Comprehensive Audit

STATUS OF PAST NOTED VIOLATIONS:

None

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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

On December 6, 2011, John Patrone met with Billy Andrews, George Andrews, and William Andrews to conduct a comprehensive audit of the B&B Top Soil Mine, Inc. Treatment and Processing Facility on Hamlin Road in Durham, Durham County.

1. The facility is a treatment and processing facility. High carbon:nitrogen material is managed via Dry Method active processing utilizing aerobic conditions and limited moisture.
2. Material is formed into long piles resembling windrows, covered with a layer of soil allowing vegetation to grow atop, and left for 2 to 5 years to decay. The decayed material/soil is then screened and, if required, material added for specific soil blends, then sold to the public, landscapers, and builders. Wood chunks screened-out from the soil, needing more time to break-down, are staged to return to the Dry Method active process.
3. The facility site plan and operations plan were discussed.
4. The facility receives material from Durham, Orange, Person, and Granville Counties. The facility is permitted to receive high carbon:nitrogen yard waste, sawdust, wood fibers, mill residue from pressboard and chipboard, land clearing debris, and untreated, unpainted, and unglued wood wastes. And small amounts of leaves that enter the facility with high carbon:nitrogen yard waste, placed in a separate designated area. Grass clippings shall not be received.
5. Mulched leaves are the only material currently, and if necessary, incorporated into soil.
6. The facility does not store material for incorporation into soil, other than leaves.
7. The facility offers long needle pine straw, various mulch types, and fine-screened soil for sale, brought on site and stored in a designated area adjacent to the office.
8. The facility annual report (FAR) for July 2010 through 2011 was received by SWS on July 15, 2011. The facility received 2,031 tons of high carbon:nitrogen material and 170 tons of leaves. An estimated 8,000 tons of high carbon:nitrogen material was stored on site. George Andrews stated that the facility only received material from Durham County.
9. It is estimated that the facility currently has ~ 400 yd³ of leaves on site. And that all of it will be used/incorporated into soil or sold within a year.
10. The facility routinely "works" the leaf pile as leaves are removed. Ensure that all of the leaves are turned/handled/moved at a routine interval.
11. The facility maintains records of the amount of material inbound and outbound. Records for January through December 6, 2011 were reviewed. The amount of material inbound and outbound is 9,906.5 yd³. The facility records material in yd³ (per the number of trucks and the hauling capacity of each truck) and divides by 5 in order to obtain tonnage.
12. The facility has calculated that 1 yd³ high carbon:nitrogen material generates 0.5 yd³ soil.
13. The facility design capacity is 20,000 TPY.
14. Truck capacity, inbound and outbound for all materials, ranges from a pick-up truck = ~ 2 yd³ to a ≥ 31' trailer = ~ 40 yd³. The most common types of trucks are the tandem-axle = 12 yd³ and tri-axel = 16 – 18 yd³.
15. The facility appeared to maintain a 50 foot buffer from property lines.
16. All Dry Method active process piles appeared to be < 50 feet wide and 30 feet high.
17. The facility does not have a method of dust control other than to limit activity to prevent dust from becoming a nuisance or safety hazard.

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18. The Redwood Volunteer Fire Department will be contacted to respond to an emergency.
19. The Division of Water Quality (DWQ) issued the facility a certificate of coverage to discharge (No. NCG210383), General Permit (No. NCG210000), letter dated July 16, 2007.
20. Ensure that water does not pond at the base of Dry Method active process piles and around amendment storage areas. The Dry Method active process pile to the north-west of the screener (left side of lot) contained an area of pooled water that did not appear to follow its prescribed channel. Billy Andrews stated that he has moved soil to the area and will grade/repair accordingly such that water does not pond.
21. There was no indication of erosion or runoff.
22. The facility maintains fire lanes between active process piles and stored material. Ensure that all fire lanes are ≥ 20 feet wide.
23. The facility contains proper signage. Ensure the sign is updated to exclude weeds and grasses as acceptable items.
24. The permit expiration date is November 4, 2014.
25. The permit renewal application should be submitted to the SWS ~ July 4, 2014.

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



Phone: 336-771-5095 Fax: 336-771-4631

John Patrone
Environmental Senior Specialist
Regional Representative

Sent on: <u>December 13, 2011</u>	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. []
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Copies: Dennis Shackelford, Eastern District Supervisor
 Shawn McKee, Environmental Senior Specialist
 Liz Patterson, Composting and Land Application Branch

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Digital photographs taken December 6, 2011
by John Patrone, DWM – SWS

Facility entrance



Facility sign (to be updated accordingly)



Leaves stored on site



Soil screener



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Area of ponded water, N-W of screener (to be repaired)



Dry Method active process piles (right side of lot)



Process piles being worked/soil removed



Dry Method active process pile soil, prior to screening

