



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		Incineration		T&P	<input checked="" type="checkbox"/>	FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: December 13, 2012 **Date of Last Inspection:** December 6, 2011

FACILITY NAME AND ADDRESS:

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

GPS COORDINATES: N: 36.05694 E: -78.85342

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, Environmental Senior Specialist - Solid Waste Section (SWS)
 Billy Andrews, Vice President - B&B Top Soil Mine, Inc.
 Brandon Andrews, Operator - B&B Top Soil Mine, Inc.
 George Andrews, Office Manager - B&B Top Soil Mine, Inc.
 William (Brenn) Andrews, Assistant Office Manager - B&B Top Soil Mine, Inc.

STATUS OF PERMIT:

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

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

None

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 4

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 13, 2012, John Patrone met with Billy Andrews, Brandon Andrews, George Andrews, and Brenn Andrews to conduct a comprehensive inspection 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 (TP) facility. High carbon:nitrogen ratio land clearing debris is managed via Dry Method active processing utilizing aerobic conditions and limited moisture.
2. The facility permit, site plan, and operations plan were discussed.
3. The facility is in operation Monday through Friday 7:30 am to 5:00 pm and Saturday 7:30 am to 12:00 pm.
4. Material is formed into long piles resembling windrows. The windrows are left in-place, allowing vegetation to grow atop. Material decays in 2 to 5 years. The decayed material/soil is then screened and leaf mulch added. If required, additional material is added for specific soil blends. The soil is sold to the public, landscapers, and builders. Woody material screened-out from the soil, needing more time to break-down, are staged to return to the Dry Method active process.
5. The facility receives material from Durham, Orange, Person, and Granville Counties. The facility is permitted to receive high carbon:nitrogen ratio yard waste, sawdust, wood fibers, mill residue from pressboard and chipboard, land clearing debris, and untreated, unpainted, and unglued wood wastes. Small amounts of leaves that enter the facility with high carbon:nitrogen ratio yard waste are to be placed in the designated area. Grass clippings shall not be received.
6. Leaves are the only material routinely incorporated into soil.
7. During the fall mulched leaves are purchased and primarily resold to farmers. Mr. Andrews stated that there is ~ 800 yd³ of mulched leaves on site, turned monthly. It is expected that the mulched leaves will be sold by June 2013.
8. Leaves associated with land clearing debris (LCD) or brought on site as a segregated load are stored until needed in the soil mix process. Mr. Andrews stated that there is ~ 2,000 yd³ of leaves on site, turned ~ 3 times a year. Ensure the leaves are turned routinely and used in the soil mix process prior to generating excessive heat and/or breaking-down into compost. Vegetative material should not be permitted to take-root atop the leaf pile.
9. 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.
10. A small amount of firewood, cut on site from logs, is stored in a designated area adjacent to the office.
11. The facility design capacity is 20,000 tons per year (TPY).
12. The facility annual report (FAR) for July 2011 through June 2012 was received by SWS, dated July 30, 2012. The facility received 2,901 tons of high carbon:nitrogen ratio material and 122.2 tons of leaves. An estimated 8,000 tons of high carbon:nitrogen ratio material was on site prior to the fiscal year. During that time, the facility sold 4,375.08 tons of soil. An estimated 6,648.12 tons of material was on site at the end of the fiscal year.
13. The facility has calculated that 1 yd³ high carbon:nitrogen ratio material generates 0.5 yd³ soil.
14. The facility maintains records of material received and sold. Records were verified for November and December 2012. 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.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 4

15. 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.
16. The facility appeared to maintain a 50 foot buffer from property lines.
17. The Dry Method active process piles appeared to be < 50 feet wide and 30 feet high.
18. During dry conditions, the facility limits activity to prevent dust from becoming a nuisance or safety hazard.
19. The Redwood Volunteer Fire Department will respond to an emergency at the facility.
20. 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.
21. Ensure that water does not pond at the base of storage and process piles.
22. There was no indication of erosion or runoff.
23. The facility maintains fire lanes between active process piles and stored material. Ensure that all fire lanes are ≥ 20 feet wide.
24. The facility has proper signage. .
25. The permit expiration date is November 4, 2014.
26. 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 21, 2012</u>	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	Certified No. []
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Copies: Jason Watkins, Western District Supervisor
 Jessica Montie, Compliance Officer
 Tony Gallagher, Environmental Supervisor
 Liz Patterson, Composting and Land Application Branch

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 4 of 4

Digital photographs taken December 13, 2012
by John Patrone, DWM – SWS

Fire lane maintained (representative example)



High carbon:nitrogen ratio piled material



Leaf pile: purchased mulched leaves and small amounts of leaves brought on site



Piled material in process of being mined/removed



Maintained buffer area, rear area of lot



Piled material, right rear of lot

