



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:										
Lined MSWLF		LCID	X	YW		Transfer		Compost	SLAS	COUNTY: Durham PERMIT NO.: 32-I FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P	FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO	SDTF	

Date of Site Inspection: September 10, 2013 (Site Meeting) **Date of Last Inspection:** June 27, 2013

FACILITY NAME AND ADDRESS:

Currin Brothers, Inc. LCID Landfill No. 2
 1810 Coley Road
 Durham, NC 27703

GPS COORDINATES: N: 35.96947 E: -78.74060

FACILITY CONTACT NAME AND PHONE NUMBER:

Allen Currin, Owner
 c. 919-614-2374
 Office (Donna Parrish - Secretary): 919-876-1138

FACILITY CONTACT ADDRESS:

Currin Brothers, Inc.
 PO Box 547
 Fuquay-Varina, NC 27526

PARTICIPANTS

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS)
 Allen Currin, Owner - Currin Brothers, Inc. LCID Landfill No. 2
 Stacey Smith, President - Smith Gardner, Inc.

STATUS OF PERMIT:

Permit To Operate (PTO) issued October 21, 2010
 Permit To Construct (PTC) issued in conjunction with PTO
 PTO/PTC expiration date October 21, 2015

PURPOSE OF SITE VISIT:

Comprehensive Inspection/Site Meeting

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 September 10, 2013, John Patrone met with Allen Currin and Stacey Smith to conduct a comprehensive inspection/site meeting of the Currin Brothers, Inc. LCID Landfill No. 2 on Coley Road in Durham, Durham County.

1. The permit to operate (PTO) is for a land clearing and inert debris (LCID) landfill.
2. The facility permit, operations plan, and site plan were discussed.
3. The permit to construct (PTC) approves an additional 4.5 acres. Prior to receiving waste in the new phase/area the facility must meet the requirements of permit Attachment 2: Conditions of Permit to Construct, Part 1: Facility Specific Conditions, No. 3 - a through d.
4. Mr. Currin stated that construction of the new area has not commenced to date.
5. The LCID landfill (Phases 1 – 12) is permitted for a total gross capacity of 5,200,000 yd³. Phases 1 & 3 are permitted for a total gross capacity of 1,250,000 yd³.
6. In addition to the permit, the facility must conform to the operational requirements of the North Carolina Solid Waste Management Rules, 15A North Carolina Administrative Code (NCAC) 13B .0566, and to the facility operational plan.
7. The facility is permitted to receive solid waste generated within Durham County.
8. The facility is permitted to receive land clearing waste, yard trash, untreated and unpainted wood, uncontaminated soil, inert debris, and used asphalt.
9. The facility primarily receives land clearing debris (LCD).
10. At time of inspection the open area/uncovered LCD was approximately 435' long and 54' high totaling 23,490 ft² or > ½ acre.
11. Material received is placed in benches. When a new bench is created LCD is placed atop soil covering the previous bench. Material is compacted into ~ 10 foot lifts, expanding laterally towards the side slope of the previous bench. The LCD constituting a bench is routinely compacted and covered with soil. As it expands, the side slope/working face is covered with additional material.
12. Bench-building expands horizontally for up to several hundred feet. As the working face moves the side slope of the previous area worked (intermediate side slope) is left uncovered.
13. The LCD on the intermediate side slope is compacted such that soil (naturally occurring in LCD, overs from atop the landfill, and transferred onto the side slope during rainfall) fills the voids between the material. After which, only the top layer of LCD is uncovered. As the height of the intermediate side slope expands, LCD left uncovered at the base is buried somewhat flush within the soil/at grade.
14. Uncovered LCD at the base of the intermediate side slope has been in place for ~ 1 year. As each bench is constructed the depth of LCD uncovered increases, from bottom to top/active area.
15. Mr. Currin stated that after the side slope is left/no longer worked, and the voids begin to fill and material decomposes, native vegetation will take root. And that having the upper most layer of LCD exposed at the side slope lets heat escape, dries the material faster, and reduces soil runoff.
16. The intermediate side slope appeared compacted although the upper layer of LCD was uncovered.
17. The facility and its consultant are in discussion with SWS-Permitting Branch regarding an alternative method of managing LCD at this location. If the facility does not obtain approval for an alternative method of operation, the LCID landfill rules must be adhered to within 30 days of notification by the permitting branch.
18. Excavation, grading, and fill material side slopes must not exceed a ratio of three horizontal feet to one vertical feet (3:1).

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19. Soil is mined on site to sell and use as cover material.
20. The 2012 – 2013 facility annual report (FAR) was received by the SWS, dated July 31, 2013. The facility estimates that 405 tons of material is received weekly.
21. The facility has an all-weather access road.
22. The facility is secured by a locked gate.
23. The facility has proper signage.
24. The PTO/PTC expiration date is October 21, 2015.
25. The permit renewal application shall be submitted to the SWS by April 21, 2015.

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>September 18, 2013</u>		Email		Hand delivery	X	US Mail		Certified No.
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Copies: Jason Watkins, Western District Supervisor
 Sarah Rice, Compliance Officer
 Ed Mussler, Permitting Branch Head
 Pat Backus, Environmental Engineer
 Christine Ritter, Permitting Hydrogeologist
 Stacey Smith, Smith Gardner, Inc. (stacey@smithgardnerinc.com)

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Digital pictures taken September 10, 2013
by John Patrone, DWM-SWS

Intermediate uncovered side slope (~23,490 ft²)



Intermediate side slope, bottom - top



Intermediate side slope, top – bottom



Intermediate side slope, ~ 54 feet high (~ 10 foot lifts)

