



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Table with columns for UNIT TYPE (Lined MSWLF, Closed MSWLF, CDLF, LCID, HHW, Tire T&P/Collection, YW, White goods, Tire Monofill, Transfer, Incin, Industrial Landfill, Compost, T&P, DEMO, SLAS, FIRM, SDTF) and a summary box for COUNTY: WAKE, PERMIT NO.: 4302-CDLF-1998, FILE TYPE: COMPLIANCE.

Date of Site Inspection: June 8, 2016

FACILITY NAME AND ADDRESS:

Dunn-Erwin C&D Landfill
449 Daniels Road,
Dunn, NC 28334

GPS COORDINATES: N: 35.36564 W: 78.64981

FACILITY CONTACT NAME AND PHONE NUMBER:

Randy Smith
910-897-3222

FACILITY CONTACT ADDRESS:

Amanda L. Bader, PE, LEED AP County Engineer
Harnett County Engineering and Facilities Management
P.O. Box 2773, Lillington, NC 27546
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PARTICIPANTS:

Liz Patterson, Environmental Senior Specialist – NCDEQ, Solid Waste Section
Drew Hammonds, Eastern District Supervisor, NCDEQ, Solid Waste Section
Randy Smith, Landfill Operations Specialist – Harnett County

STATUS OF PERMIT:

Approval of Transition Plan – January 22, 1996
Closure of Landfill units Phase I and II – March 19, 1996
Approval of Borrow Location #2 – May 8, 1998
MSWLF Facility Transition Plan Modification #3 – June 30, 1998
MSWLF Facility Transition Plan Modification #4 – March 3, 1999
To be reviewed by February 3, 2003, extension of permit requested August 14, 2003
PTO expired July 1, 2008, extension of permit requested June 26, 2008
PTO and PTC issued May 26, 2015
PTC expires November 28, 2016
PTO expires May 24, 2020

PURPOSE OF SITE VISIT:

Partial audit

STATUS OF PAST NOTED VIOLATIONS:

None

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 6

OBSERVED VIOLATIONS:

Per 15A NCAC 13B .0566(14), states “Leachate shall be properly managed on site through the use of current best management practices.”

Leachate was running out of the yard waste area and from the mulch windrow being stored on top of the LCID to the southern ditch behind the LCID, running to drain pipe and possibly into wetlands. Leachate flow needs to be stopped immediately.



Per 15A NCAC 13B .0542(f)(1), states “(f) Cover material requirements. (1) Except as provided in Subparagraph (3) of this Paragraph, the owners and operators of all C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly. Cover must be placed at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. A notation of the date and time of the cover placement must be recorded in the operating record as specified in Paragraph (n) of this Rule.”

At time of inspection the working face was exceeding one-half acre in size.



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 also 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.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 6

ADDITIONAL COMMENTS

C&DLF

1. The service area for this facility is Harnett County.
2. The hours of operation are 7:30am – 4:30 pm Monday thru Saturday except close at 12:00pm Wednesday.
3. The facility has proper signage.
4. The facility is properly secured with a locked gate. Personnel are onsite during operating hours.
5. Records were not reviewed during this inspection.
6. **C&DLF units must restrict solid waste into the smallest feasible area. Solid waste must be compacted as densely as practical into cells. I recommend that you devise a method to ensure that the working face does not exceed the ½ acre limit.**
7. **Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit. Additional areas of waste outside the working face were exposed and needed additional cover. Areas that become uncovered from other activities or erosion need to be covered as they are noticed.**
8. **Significant areas of erosion were noted on side slopes.**
9. The waste type was reviewed and was construction and demolition waste. No unacceptable waste streams were noted.
10. Per permit condition #90 under Operational Conditions – White Goods and Scrap Metal Handling Area, The permittee must separately store white goods containing Freon from the non-Freon white goods and scrap metals. White goods need to be stored standing up to prevent standing water inside and vectors.
11. Tires are being removed as they are noticed.
12. **Appropriate methods such as fencing and diking must be provided within the area to confine solid waste which is subject to be blown by the wind.** Windblown waste was observed outside the landfill and in the sediment pond. Windblown waste must be collected and returned to the working face prior to close of business daily.
13. **Several leachate seeps were observed along the eastern and southern side slopes draining into the perimeter drainage channel. The flow appeared to terminate before flowing into a drain leading the sediment pond outside the waste footprint. Seeps observed during the operator’s in-house inspections must be repaired as soon as practical when they are observed. Repair every leachate seep draining into the perimeter channel on the south side of the landfill. Areas where persistent seeps are occurring need to be investigated to determine the cause and corrective actions implemented to eliminate the problem.**
14. Vehicle ruts on top of landfill need to be repaired to ensure positive drainage of surface water off the landfill.

LCID Landfill

15. Please review your permit and operations plan as the designated yard waste storage and processing area is only a one-acre area beside the LCID on the site plan.
16. Adequate soil cover shall be applied monthly, or when the active area reaches one acre in size, whichever occurs first.
17. **It is recommended that the facility operator mow and maintain the vegetation within the facility boundaries in order to conduct proper inspections and evaluations of the site or compliance.**
18. **A significant amount of mulch is being stored in the borrow areas and on top of the LCID. Please contact the permitting branch to update the permit and site plan to include additional mulch storage areas or remove and dispose of the mulch properly.**
19. **Per 15A NCAC 13B .0566(10) Surface water shall be diverted from the working face and shall not be impounded over waste.**
20. **Ponding of water observed in yard waste area. Grade yard waste area to ensure positive drainage of surface water off the yard waste area within 30 days.**
21. **Ensure the LCID disposal area is graded accordingly, to include a defined working face and soil cover. Excavation, grading and fill material side slopes shall not exceed three to one (3:1).**
22. **Per 15A NCAC 13B .0566(4), “Adequate soil cover shall be applied monthly, or when the active area reaches one acre in size, whichever occurs first.” Based on observations of the site at the time of this**

FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management

Solid Waste Section

Page 4 of 6

inspection, it appears that uncovered waste was exceeding one acre and had not been covered as required by rule. According to #7 of the approved operations plan, the operator will keep the LCID working face as small as possible with a 1/2 acre maximum size. All areas of waste that are not part of the working face must be covered within 30 days.

- 23. Permanent waste boundary markers need to be installed around the entire landfill within 30 days and maintained around the entire landfill to include active and inactive areas. Waste marker frequency should be placed so that you can see from one to the other. Existing markers should be repaired or maintained and visible for inspections.
- 24. LCID needs to be mowed for proper inspection.

Closed MSWLF

- 25. Closed MSW needs to be mowed for proper inspection.
- 26. Trees growing on the landfill over waste need to be removed from the landfill within 30 days.
- 27. Areas of settling and ponding water were observed and need to be repaired and graded to ensure positive drainage of surface water off the closed landfill.
- 28. The asbestos area needs to be maintained properly. To include proper soil and vegetative cover, grading to allow for positive flow of water away from the disposal area and maintaining slopes in accordance to approved plan.
- 29. Ensure the asbestos disposal area is graded accordingly, to include a defined working face and soil cover.
- 30. Ensure that yard waste stockpiled in the asbestos area is moved to the LCID or yard waste area. Open burning is not allowed.
- 31. Corrective measures are necessary at this facility. Measures to bring the facility into compliance must be completed within 30 days' receipt of this report. The SWS will conduct a follow-up inspection in 30 days to ensure issues noted in this inspection report have been addressed.

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

Phone: 919-707-8286(O) 919-805-6499(C)
elizabeth.patterson@ncdenr.gov

Liz Patterson
Environmental Senior Specialist
Regional Representative

Sent on: 6-16-2016	X	Email		Hand delivery		US Mail		Certified No. []
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- Copies:
- Jason Watkins, Field Operations Branch Head Supervisor - Solid Waste Section
 - Drew Hammonds, Eastern District Supervisor – Solid Waste Section
 - Jessica Montie, Compliance Officer – Solid Waste Section
 - Ed Mussler, Permitting Branch Head
 - Ming Chao, Permitting Branch Engineer
 - Joseph Jeffries, Harnett County Manager

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 5 of 5

Digital pictures taken by Liz Patterson on June 8, 2016



Facility Sign



White goods and scrap metal area



Standing water in white good



Leachate seep on south side of landfill



Area of erosion on southwestern slope



Uncovered waste on western slope of landfill