



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

<b>UNIT TYPE:</b>											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	<b>COUNTY:</b> Dare <b>PERMIT NO.:</b> 28-02 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF	<b>X</b>	HHW		White goods		Incin		T&P		FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Audit:** 6 April 2011

**FACILITY NAME AND ADDRESS:**

Dare County Landfill  
 NC Hwy 64 W  
 East Lake, NC

**GPS COORDINATES:** N: 35.87252 E: 75.88014

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Edward L Mann  
 252.475.5880

**FACILITY CONTACT ADDRESS:**

Director  
 Dare County Department of Public Works  
 PO Box 1000  
 Manteo, NC 27954  
 E-mail: [edwardlee@darenc.com](mailto:edwardlee@darenc.com)

**AUDIT PARTICIPANTS:**

Ray Williams; DENR-Solid Waste

**STATUS OF PERMIT:**

Closed MSWLF under subtitle D

**PURPOSE OF AUDIT:**

Comprehensive Audit

**NOTICE OF VIOLATION(S):**

None: *please see* AREAS OF CONCERN AND COMMENTS sections below.

**STATUS OF PAST NOTED VIOLATIONS:**

None applicable

**AREAS OF CONCERN AND COMMENTS:**

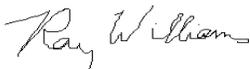
- 1) This facility is a closed MSW Landfill.
- 2) Proper signage is posted at the facility entrance listing the permit number, emergency contact information, and indicating that this is a closed facility.
- 3) This facility is mowed throughout the year as needed.
- 4) The site is secured by a chain-link type fence with locked gates at both facility entrances.
- 5) The facility access road is of all weather construction and is being well maintained at this time.
- 6) Facility monitoring wells were reviewed during this audit. None of the wells were observed to be properly labeled and most were not secured by locks. \*Please ensure that all wells are properly labeled with metal tags permanently affixed to each well and properly secured with locks.

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- 7) Highly visible edge-of-waste markers have been installed and are being maintained throughout the facility.
- 8) Overall, the landfill has a well established and maintained cover crop of native warm season grasses. However, several areas were noted as lacking sufficient cover to prevent erosion of your landfill cap system. \*Within thirty days of receipt of this audit report, please repair these areas by grading, seeding, and mulching to establish a groundcover suitable to prevent erosion of you landfill cap system. All repaired areas should be graded at a slope not greater than 3:1.
- 9) Small areas of erosion were noted at various places throughout the landfill sideslopes. Overall, the erosion was minor however, if left unaddressed, serious erosion could result. Two areas of significant erosion were noted in the eastern sideslope of the northern cell near the dog leg adjacent to the surface water pond. \*Within thirty days or receipt of this audit report, please repair these eroded areas by grading, seeding, and mulching to establish a groundcover suitable to prevent erosion of you landfill cap system. All repaired areas should be graded at a slope not greater than 3:1.
- 10) Trees and other woody vegetation have been allowed to grow on the western sideslope of the upper lift. \*Please remove all trees and woody growth from the landfill. Grade all the cleared areas at a slope not greater than 3:1, seed, and mulch to establish a groundcover suitable to prevent erosion of the landfill cap system.
- 11) Areas of differential settlement were noted throughout the landfill. Many of these areas of settlement are significant enough to cause the impoundment of surface waters on the landfill cap. \*Within thirty days of receipt of this audit, please fill and grade these areas to provide for the positive drainage of surface waters from the landfill cap system. All filled areas should be graded at a slope of not greater than 3:1, seeded, and mulched to establish a groundcover suitable to prevent erosion of your landfill cap system.
- 12) Landfill gases are managed through a passive venting system. The gas vents were reviewed during this audit. The gas vent adjacent to the dogleg on the eastern sideslope has been damaged by maintenance equipment. \*Within thirty days of receipt of this audit report, please repair this vent by replacing the pvc elbow.
- 13) All required environmental monitoring reports are being maintained at the Dare County C&D Landfill office; these reports were presented and in order during this compliance audit. As per the Dare County Assistant Public Works Director; surface water and groundwater sampling was most recently conducted February 2011, by Environment 1 of Greenville, NC; however, the most recent monitoring report available for review was from the Fall 2010 monitoring event conducted on 16 August 2010.
- 14) Digital photographs were taken during this facility audit; *please see photographs attached below.*
- 15) \*Corrective actions are required as a result of this audit.

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



Ray Williams; Environmental Senior Specialist Phone: 910.796.7342 E-mail: [ray.williams@ncdenr.gov](mailto:ray.williams@ncdenr.gov)

***Regional Representative***

<b>Delivered on : <u>11 April 2011</u> by</b>		Electronic delivery		US Mail	X	Certified No. <input type="checkbox"/>
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cc: Dennis E Shackelford; Eastern District Supervisor/SWS: [dennis.shackelford@ncdenr.gov](mailto:dennis.shackelford@ncdenr.gov)  
Donald Herndon; Chief Compliance Officer/SWS: [donald.herndon@ncdenr.gov](mailto:donald.herndon@ncdenr.gov)  
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GW Monitoring well needing installation of lock and label



Brush and woody vegetation on western sideslope needing removal



Area of sparse cover in need of repair



Area of settlement and erosion in need of repair



Surface water impounded on landfill cap



Landfill gas vent in need of repair