

ROANOKE VALLEY LCID LANDFILL

WELDON, NORTH CAROLINA

RULE .0566 OPERATIONAL REQUIREMENTS

JULY 2007

(Minor Revisions September 9, 2009)

(revisions in red)



RIGHTMYER MACHINE RENTALS, INC.

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Prepared by:

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Rule .0565(4) requires that an Operational Plan be prepared as part of the Permit Application for an LCID Landfill. The Operations Plan must comply with the requirements of Rule .0566 – Operational Requirements for Land Clearing/Inert Debris (LCID) Landfills.

1. Description of Facility

The proposed Roanoke Valley LCID Landfill site is located off U.S. Hwy 301 near the intersection with U.S. Hwy 301 and S.R. 1651. Entrance to the site is along the eastern side of U.S. Hwy 301 and to the southeast of the Town of Weldon, North Carolina. The Division of Waste Management on August 14, 1990 permitted the property for LCID disposal.

A. Location Map

Refer to Figure 1 for a copy of the Site Location Map.

B. Owner Contact Information

John Rightmyer
497 Highway 48
Roanoke Rapids, N.C.

Phone: 252-537-3223

C. Summary: disposal area, operation, phasing and closure

Disposal Area: The disposal area shall include approximately 5.0-acres of property located within the boundaries of the 13.40-acre site. A total of approximately 3.0-acres of disposal area is located over the LICD material placed under the old permit. A total of approximately 1.6-acres of disposal area is located on virgin ground. In addition, approximately 2.3-acres of land around the perimeter of the property is designated for beneficial fill.

Operation: The site will be operated as a private Land Clearing and Inert Debris Landfill receiving materials predominately from Rightmyer Machine Rentals, Inc. As a privately operated site, it will not have specific operating hours, but will receive waste on an as-needed basis. The Operations will conform to all of the requirements of the approved Operations Plan. **The facility is proposed to not exceed an average daily volume of 275 CY of debris, and not to exceed a yearly volume of 70,000 CY of debris.**

Phasing: The disposal area will be filled following three (3) specific phases of operation. The initial Phase will be to place materials against the existing fill slope until the virgin area has been brought to a grade matching to old fill area. The second phase will include additional fill to the final elevations indicated on the grading plan along the northern portion of the disposal area. The final phase will pull the fill area to the north until the available air space has been occupied. The following is an estimate of available air space:

Phase I: 41,600 CY (approximately 2.2-acres of disposal area)

Phase II: 42,900 CY (approximately 1.8-acres of disposal area)

Phase III: 31,800 CY (approximately 1.5-acres of disposal area)

Closure: Within 120 days of the completion of any Phase of disposal operations, the disposal area shall receive a minimum of 1-foot of suitable soil cover. The cover shall be sloped to allow surface water runoff in a controlled manner. Adequate ground cover shall be provided to restrain erosion within either 30 working days, or 120 calendar days of the completion of any phase of disposal.

D. Post-Closure Use

The site will be seeded as required to provide adequate erosion control. No additional use is proposed for the closed Roanoke Valley LCID Landfill.

2. Description of Waste

A. Types of Waste Accepted at Facility

The facility shall accept those waste materials allowed by Section .0560 Land Clearing and Inert Debris (LCID) Landfills of the Solid Waste Management Rules. These materials shall include: land clearing waste, inert debris, untreated wood, and yard trash.

B. General Service Area

The service area can be generally described as a 100-mile radius from the site. The facility will primarily serve as an LCID disposal source for Rightmyer Machine Rentals, Inc. and will therefore parallel the service area of this user. **The following North Carolina and Virginia Counties are located within the service area:**

North Carolina

Halifax
Bertie
Hertford
Northampton
Warren
Vance
Granville
Franklin
Nash
Wilson
Edgecombe
Pitt
Martin
Chowan
Gates

Virginia

Suffolk
Southampton
Greensville
Brunswick
Mecklenburg
Lunenburg
Nottoway
Amelia
Chesterfield
Dinwiddie
Prince George
Sussex
Surry
Ile of Wright

C. Volume Estimates

Phase I: 41,600 CY (approximately 2.2-acres of disposal area)

Phase II: 42,900 CY (approximately 1.8-acres of disposal area)

Phase III: 31,800 CY (approximately 1.5-acres of disposal area)

Total Air Space Volume Estimate: 116,300 CY

3. Working Face

A. General Description

The working face shall at all times be kept to the minimal widths that are practicable. The overall width should not exceed 150-feet unless specific conditions warrant such widths, and to the extent practicable, the working face shall be kept at less than 100-feet in width.

4. Operational Cover Requirements

A. Monthly Cover Requirements

Adequate soil cover shall be placed over the LCID materials at a frequency not less than once per month. In addition, should an active working area exceed 1-acre in size, adequate soil cover shall be placed over the materials.

B. Final Cover Requirements

One foot of cover with suitable soils shall be provided over all areas of disposal to be closed.

5. Sedimentation Control Measures

A. General Description

The site topography generally falls to the north. The key erosion control devices are two sediment traps. One located on the northeastern corner of the disposal area (existing trap), and one located on the northwestern corner of the disposal area. Diversion ditches are to be installed around the perimeter to divert siltateous runoff into the sediment traps. The

Facility must comply with the approved Erosion and Sedimentation Control Plan for the site.

6. Facility Security Measures

A. General Description

The site shall include security fencing and an entrance gate along the access of U.S. Hwy 301. The gate shall remain closed and locked when the facility is not being used. Fencing will not be provided around the perimeter of the site as natural buffers limit accessibility in these areas. A sign will be placed at the entrance gate with the Facility name and the Permit Number for ease of identification.

B. Landfill Attendant

The Roanoke Valley LCID Landfill is a private disposal facility and therefore a landfill attendant will not be provided.

7. Stormwater Management

A. General Description

The Roanoke Valley LCID Landfill will comply under the guidelines of the State's General Permitting for Stormwater Management. A copy of the General Permit is included as part of the Operations Plan as Appendix A.

8. Leachate Management

A. Description of Best Management Practices

The disposal area base grades shall remain a minimum of 4-foot vertically separated from seasonal high groundwater elevations.

The disposal area shall receive both intermediate and final cover as required by Section .0566 of the Solid Waste Management Rules. In addition, the landfill side slopes shall be maintained to both promote runoff from the disposal area and to maintain stability and ground cover. The side slopes shall be no steeper than 3:1.

Buffers from waters of the State and property lines shall be maintained as required by Section .0564(9) of the Solid Waste Management Rules.

9. Prohibited Operations

A. Open Burning

Open burning is prohibited at the Roanoke Valley LCID Landfill.

B. Disposal in Water

Disposal of LCID materials within groundwater or existing streams is prohibited at the Roanoke Valley LCID Landfill.

10. Emergency Contingency Plan

The entrance sign shall include the name of the facility, permit number and a contact number for emergencies.

The Roanoke Valley LCID Landfill is located within the jurisdiction of the Weldon Fire Department. Fire emergencies will be directed to the Weldon Fire Department.