



Facility Permit No: 55-04
Lake Norman C&D Landfill Facility
Permit to Operate Cell 2B
Document No. RCO2593
June 28, 2007

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Dexter R. Matthews, Director
Division of Waste Management
Michael F. Easley, Governor
William G. Ross Jr., Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

**SOLID WASTE LANDFILL
FACILITY PERMIT
LAKE NORMAN LANDFILL, INC.**

is hereby issued a

**PERMIT to OPERATE
the
LAKE NORMAN C&D LANDFILL FACILITY
CELL 2B**

Located on Quarry Lane off of NC Highway 16 in Lincoln County, North Carolina, in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated there under and subject to the conditions set forth in this permit.

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Solid Waste Section

ATTACHMENT 1
Permit History

C&DLF FACILITY PERMIT NO: 60-13	ISSUANCE DATE
Original Facility-PTO	March 25, 1999
Facility - PTO Sub Cell 1B, Phase 1B	April 23, 2002
Facility – PTO Modified – 1A and 1B	March 31, 2005
Facility – PTC Modified – Cells 2A – 4B	August 31, 2005
Facility – PTO Modified – Cell 2A	October 12, 2005
<i>Permit to Operate – Cell 2B</i>	June 28, 2007

ATTACHMENT 2
Approved Documents

Documents 1-15 are contained in previous permits.

16. *Application for Permit to Operate a Construction & Demolition (C&D) Landfill, Construction Quality Assurance (CQA) Certification, Lake Norman C&D Landfill Cell 2B, Lincoln County, North Carolina. Prepared for: Lake Norman, Inc., Lincoln County, North Carolina. Prepared by: Atlantic Coast Consulting, Inc., Roswell, Georgia, June 19, 2007.*

ATTACHMENT 3

Conditions of the Permit

GENERAL CONDITIONS

1. This permit shall be reviewed on November 1, 2010, five years from the issuance date of the Permit to Operate Cells 1A, 1B and 2A, dated October 12, 2005. The anticipated operating life of Cells 2A, 2B and 3A is approximately five (5) years; for all cells operating past June 30, 2008, the owner/operator shall comply with the rules in effect at that time.
2. Cells 2A, 2B, and 3A will provide 1,230,800 cubic yards of gross airspace which will provide five years of life at the site. Cell 2B is 2.1 acres in size. The landfill's anticipated disposal rate is approximately 200,000 tons per year and shall be consistent with the franchise.
3. This facility may receive solid waste that is generated within a service area consistent with the franchise, with local government waste management plans(s) and with local government approval.
4. This permit is not transferable.
5. The owner or operator of the landfill facility shall not knowingly dispose of municipal solid waste that is generated within the boundaries of a unit of local government that by ordinance:
 - a. Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.
 - b. Requires generators or collectors of municipal solid waste to recycle that type or form of municipal solid waste.
6. The facility operator shall have completed an approved operator training course in compliance with G.S. 130A-309.25.
 - a. A responsible individual certified in landfill operations shall be on-site at all times during all operating hours of the facility at all times while open for public use to ensure compliance with operational requirements.
 - b. All pertinent landfill-operating personnel shall receive training and supervision necessary to properly operate the landfill units in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.

7. In the event of conflicts between this Permit to Operate and previously issued conditions, the conditions of this Permit to Operate shall supersede previously issued conditions.
8. Additional conditions and revision of the approved documents or changes during the operation of the landfill require approval by the North Carolina Solid Waste Section.
9. On or before August 1 annually, the permittee shall report the tons of waste received and disposed in the landfill units to the Solid Waste Section and to all counties from which waste was accepted on forms prescribed by the Section. The following is information regarding the annual reports:
 - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual report shall list the amount of waste received and landfilled in tons and be compiled:
 - i. On a monthly basis.
 - ii. By county, city or transfer station of origin.
 - iii. By specific waste type.
 - iv. By disposal location within the facility.
 - v. By diversion to alternative management facilities.
 - c. A copy of the completed report shall be forwarded to each county manager for each county from which waste was received at the facility.
 - d. A copy of the report and documentation that a copy of the report has been forwarded to all counties from which waste was accepted must be sent to the regional Waste Management Specialist by the date due on the prescribed annual report form.
 - e. A measurement of volume utilized in the CDLF landfill cells shall be performed during the second quarter of the calendar year. The date and volume, in cubic yards, shall be included in the report.
10. Ground water quality at this facility is subject to the "Classifications and Water Quality Standards Applicable to the Groundwater of North Carolina", 15A NCAC 2L. This includes, but is not limited to, provisions for detection monitoring, assessment, and corrective action.

OPERATIONAL CONDITIONS

11. The C&DLF unit is permitted to receive construction or demolition debris and land clearing and inert debris as follows:
 - a. “Construction or demolition debris” as defined in G.S. 130A-290(a)(4) means solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.
 - b. A land clearing and inert debris landfill as defined in Rule .0101(54) means a facility for the land disposal of land-clearing waste, concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood and yard trash.
 - c. Land Clearing Waste as defined in Rule .0101(53) means solid waste which is generated solely from land clearing activities, limited to stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.
 - d. Asphalt in accordance with G.S. §130A-294(m).
12. The C&DLF unit shall not receive the following waste types:
 - a. “Yard trash” as defined in G.S. 130A-290(a) (45) shall not be disposed in the landfill area. However, yard trash along with land-clearing debris may be accepted for processing as mulch or disposal in a LCID landfill.
 - b. Municipal solid wastes, hazardous wastes, or liquid wastes are not permitted for acceptance or disposal in the C&DLF unit.
13. Operation of the C&DLF unit shall be in accordance with 15A NCAC 13B, Rule.0505, the approved Operations Plan, and the following specific conditions.
14. Waste shall be covered with six inches of suitable cover at least once per week, or when the active working area reaches one-half acre in size, or more often as necessitated by the nature of the waste, so as to prevent the site from becoming a visual nuisance and to prevent fire, windblown materials, vectors, or water infiltration. Areas that have not received additional waste for twelve months or more, but where final elevations have not been reached, shall be covered with one-foot of soil cover.

15. The permittee shall actively employ a screening program for the C&DLF unit that detects and prevents the disposal of MSW, hazardous, liquid or non-permitted wastes. At a minimum, the program shall include:
- a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of any inspections.
 - c. Training of personnel to recognize hazardous and liquid wastes.
 - d. Development of a contingency plan to properly manage any identified hazardous, liquid or MSW wastes.
 - e. The plan must address identification, removal, storage, and final disposition of waste.
16. Closure Requirements. The C&DLF unit shall be closed in accordance with the approved plans and the requirements of the Division of Waste Management at the time of closure. A closure and post-closure plan must be submitted for approval at least 90 days prior to closure or partial closure of any landfill unit. The plan must include all steps and measures necessary to close and maintain the C&DLF unit in accordance with all rules in effect at that time. At a minimum, the plan shall address the following:
- a. Design of a final cover system as required by the solid waste management rules in effect at the time of closure;
 - b. Construction and maintenance/operation of the final cover system and erosion control structures;
 - c. Surface water, ground water, and explosive gas monitoring.

MONITORING AND REPORTING CONDITIONS

17. Ground-water monitoring wells and monitoring requirements for the C&DLF Unit shall be in accordance with the monitoring system approved for the facility and these additional conditions:
- a. The permittee shall sample the monitoring wells on a semi-annual basis, or as directed by the SWS Hydrogeologist.
 - b. Sampling methods and equipment shall conform to specifications in, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities". Sampling parameters shall conform to those found in, "Sampling and Analysis Requirements".

- c. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each sampling event shall be submitted to the Division in a timely manner.
 - d. A readily accessible unobstructed path shall be maintained so that four-wheel drive vehicles may access the monitoring wells at all times.
18. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to the Section in a timely manner.
19. Explosive gas monitoring shall be performed as needed to ensure compliance with the standards in Rule .0503 (2) (a).

FACILITY PRE-OPERATIVE CONDITIONS

20. Prior to receiving waste at any unit of this facility, a Permit to Operate must be obtained from the Solid Waste Section in accordance with 15A NCAC 13B .0201(b).
21. The following requirements must be met prior to waste disposal for any unit of this facility:
- a. Site preparation must be in accordance with the approved plans and the conditions specified herein.
 - b. The permittee must arrange for a site inspection of the facility by a representative of the Solid Waste Section. The purpose of the inspection will be for the operator to demonstrate that the facility construction is consistent with approved plans and specifications.
 - c. Prior to waste disposal in any new unit or cell, the permittee must contact the appropriate regional Solid Waste Management Specialist to determine whether the Solid Waste Section chooses to hold a pre-operative meeting with key landfill personnel and representatives of the Solid Waste Section.