



Allied Waste  
Charlotte Motor Speedway Landfill V  
Facility Permit No. 13-04  
Permit to Operate  
Doc Id No. RCO2742  
July 12, 2007  
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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

**MUNICIPAL SOLID WASTE FACILITY  
PERMIT NO. 13-04**

**Allied Waste Charlotte Motor Speedway Landfill V**  
is hereby issued a

**Permit to Operate**

A Municipal Solid Waste Landfill Facility

Cell 2F

located at Morehead Road, Concord, Cabarrus County, North Carolina, in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description found in the approved application.

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

### ATTACHMENT 3

#### Part I General Facility Conditions

Permit Type	Date Issued
Original Issue (PTC)	April 1, 1991
Original Issue (PTO)	August 22, 1992
Amendment 1 (Cell B)	September 16, 1993
Permit Renewal (Facility Plan & 2A-2E)	April 25, 1995
Transition Plan Approval (Cell 1A)	May 23, 1996
Amendment 2 (PTC) Vertical Expansion	December 17, 2001
Amendment 3 (PTO) Vertical Expansion/Cell 2L	August 21, 2002
Amendment 4 (PTC) 2F, 2G, & 2H	July 14, 2006
Amendment 5 (PTO) 2F	July 12, 2007

#### Part II List of Documents for the Approved Facility Plan

Documents 1-10 listed in previous permits.

11. *Permit Modification Application, Facility, Engineering and Erosion Control Drawings, and CQA and Operations Plans for the Charlotte Motor Speedway Landfill V, NCDENR Permit No. 1304 Concord, North Carolina.* Prepared by: ESP Associates and Almes & Associates, Inc. Prepared for: BFI Waste Systems of North America, Inc. May 7, 2004. As amended through December 6, 2005, NCDENR hydro comments and responses by ESP Associates Inc., and NCDENR Engineering comments answered by BFI Waste Systems of North America Inc. and ESP Associates Inc. through March 16, 2006.
  - a. Site Suitability Update for BFI Waste Systems of North America, Inc, CMS Landfill V – Lateral Expansion Phase 2 Expansion (Cells 2F, 2G & 2H) and Phases 3, 4, & 5. Prepared by: ESP Associates, P.A. Prepared for: BFI Waste Systems of North America, Inc. May 6, 2004.
  - b. Revised Plans for NCDENR – Division of Solid Waste Management, Hydrogeologic Comments prepared by Almes & Associates, Inc., and ESP Associates, P.A., December 20, 2005.
  - c. Response to Comments prepared by ESP Associates, P.A., November 2005
  - d. Revised Plan Sheets for Application to Construct. Prepared by: ESP Associates, P.A. December 20, 2005.
12. Certified Copy of Franchise Ordinance from Benne C. Hutson of Helms Mulliss Wicker with attached “An Ordinance Renewing A Nonexclusive Franchise to BFI of North America, Inc.” from the City of Concord dated February 10, 2005.
13. *Final Certification Report, Construction Quality Assurance Services, Volumes I and II, Cell 2F Construction, Charlotte Motor Speedway Landfill V.* Prepared for: Allied Waste. Prepared by: ACC of North Carolina, LLC. May 2007.

**Part III Construction and Demolition Landfill Conditions**  
(NOT APPLICABLE)

**Part IV Land Clearing and Inert Debris Landfill Conditions**  
(NOT APPLICABLE)

**Part V Yard Waste Conditions**  
(NOT APPLICABLE)

**Part VI Miscellaneous Treatment and Processing Facilities Conditions**  
(NOT APPLICABLE)

*- End of Section-*

## **Attachment 4 CONDITIONS OF PERMIT**

### **Part I General Facility Conditions**

1. This permit shall be reviewed on July 12, 2012, pursuant to 15A NCAC 13B .0201(e). No later than March 12, 2012, the owner or operator shall submit to the Solid Waste Section an amendment to the permit prepared in accordance with 15A NCAC 13B .1603(a)(2) or a permit modification prepared in accordance with 15A NCAC 13B .1603(a)(3), as applicable. This permit does not authorize landfill operations in excess of approved capacity.
2. 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.
3. The solid waste management units within this facility shall conform to all operating procedures described in the approved plans, 15A NCAC 13B, and the conditions specified herein.
4. 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.
5. On or before August 1 annually, the permittee shall report the tons of waste received and disposed in the MSW landfill units to the Solid Waste Section and to all counties from which waste was accepted on forms prescribed by the Section. The annual report shall include the following information:
  - 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.
    - vi. For MSW landfills, the volume utilized in the MSW cells shall be determined during the second quarter of the calendar year. The date and the volume used and remaining in cubic yards shall be included in the report.
6. A copy of the completed report shall be forwarded to each county manager for each county from which waste was received at the facility.

7. Groundwater 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.
8. This landfill is permitted to receive solid waste generated within the City of Concord, Cabarrus County, the State of North Carolina, and the following counties in the State of South Carolina: Cherokee, York, Lancaster, Chesterfield and Chester and serve the associated populations except as may be prohibited by North Carolina General Statutes Article 9 of Chapter 130A and rules adopted by the Commission for Health Services.
9. The franchise issued for this facility by the City of Concord provides for an average annual disposal rate of 120,000 tons per month not to exceed a maximum of 140,000 tons per month.

## **Part II Municipal Solid Waste Landfill Conditions**

### **Specific Conditions**

1. The facility is approved for a total gross capacity of approximately 61,531,035 cubic yards including development of new Cell 2F, 2G and 2H; Phases 3, 4 and 5; and the existing permitted landfill in accordance with the Division approved plans.
2. Landfilling operation is approved in accordance with the Solid Waste Management Rules, approved plan and these permit conditions for Cell 2F. This Permit only authorizes the operation Cell 2F for MSW disposal consisting of 14 acres.
  - a. Approximately 3 acres of Cell 2G constructed at the same time as Cell 2F is not approved for disposal operation at this time, but is approved for use as stormwater berm.
  - b. The permittee is required to protect and maintain the liner integrity of the 3 acres associated with Cell 2G and to certify the liner integrity when application is submitted for the Permit to Operate Cell 2G. Such certification may include an intensive visual inspection of the area, or may be as required under the rules or statutes in effect at the time of application.
3. A Permit to Construct remains in effect for Cells 2G and 2H. Operations of Cells 2G and 2H may not commence until application is made for and a Permit to Operate is issued for the specific use of those cells.
4. Franchise approval and Site Suitability approval is in effect for Phases 3, 4 and 5 for approximately 15,386,000 cubic yards of capacity. However, application for a Permit to Construct is required prior to the initiation of construction activities for those phases.
5. The dimensions of Cells 2F, 2G and 2H are as follows:

Cell	Acres	Gross Capacity		Approximate Service Years
		Cubic Yards	Tons*	
2F	14.0	2,028,000	1,622,400	1.2
Remaining for 2G & 2H	27.7	4,422,000	3,537,600	2.5
Totals	41.7	6,450,000	5,160,000	3.7

*\*Based on 0.8 tons per cubic yard as presented on page 5, Section 3.0 of the approved Permit Modification application dated May 2004 with approved amendments.*

- This permit approves operation of Cell 2F consistent with the final contours as shown on Drawing No. FC-7 contained in the "Permit Modification Application" revision date December 2005.

### Monitoring and Reporting

- Groundwater monitoring at this unit must be performed in compliance with the appropriate requirements of 15A NCAC 13B .1630 through .1637 and the monitoring plan contained in approved plan.
- A readily accessible unobstructed path shall be cleared and maintained so that four-wheel drive vehicles may access monitoring well locations at all times.
- A field log book that details all development, sampling, repair, and all other pertinent activities associated with each monitoring well and all sampling activities associated with each surface water and leachate sampling location shall be kept as part of the permanent facility record.
- Records of all groundwater, surface water and leachate analytical data shall be kept as part of the permanent facility record.
- Reports of the analytical data for each water quality sampling event shall be submitted to the Section within 60 days of the respective sampling event. Analytical data shall be submitted in a manner prescribed by the Section.
- The four independent samples that comprise the initial baseline sampling event shall be collected from each groundwater monitoring well and the report shall be submitted to the Section within six months after issuance of the Permit to Operate.
- Untreated leachate shall be sampled and analyzed at least semi-annually concurrently with the ground and surface water sampling. The leachate shall be analyzed for all Appendix I constituents, pH, specific conductance, BOD, COD, sulfates, nitrates, and phosphates. Test results shall be submitted to the Section along with ground and surface water test results. In the event leachate is recirculated, additional leachate sampling may be required.

### **Operational Conditions**

14. The landfill unit shall conform to all operating requirements described in the approved plans, 15A NCAC 13B .1626, and the conditions specified herein.
15. The use of alternative daily cover requires approval, prior to implementation, by the Solid Waste Section. Requests for alternative daily cover approval must include a plan detailing the comprehensive use and a demonstration of the effectiveness of the alternative daily cover. The plan shall be developed according to Section guidelines. Plans that are approved by the Section will be incorporated into and made a part of the permit.
  - a. The use of automobile shedder fluff mixed with soil, petroleum contaminated soil, tarps and foundry sand as alternate daily cover is approved when used as per the approved demonstration project reports.
16. The use of leachate recirculation as a leachate management tool requires written approval by the Solid Waste Section prior to implementation.
  - a. Requests for leachate recirculation approval must include a comprehensive management plan developed according to Section guidelines and be consistent with the approved operation plan.
  - b. Plans, which are approved by the Section, will be incorporated into, and made a part of, the approved documents found in Attachment 3.
  - c. If approved, only leachate originating from the unit shall be recirculated in the unit and the unit must comply with the design requirements contained in Solid Waste Rule 15A NCAC 13B .1624.
17. The landfill facility is permitted to co-dispose of wastewater treatment sludge generated within the facility's approved service area, and subject to the terms and procedures of the approved plan.
18. Closure or partial closure of any MSWLF unit shall be in accordance with the Closure Plans described in the approved plans and 15A NCAC 13B .1629. Final Closure Plans shall be submitted to the Division at least 90 days prior to implementation. Closure and Post-closure plans, including financial instruments shall be updated annually pursuant to 15A NCAC 13 B .1628.
19. Waste boundary posts will be installed marking the edge of the waste footprint.

- End of Section -

**Part III Construction and Demolition Debris Unit**  
(NOT APPLICABLE)

**Part IV Land Clearing and Inert Debris Unit**  
(NOT APPLICABLE)

**Part V Yard Waste Unit**  
(NOT APPLICABLE)

**Part VI Miscellaneous Treatment and Processing Unit**  
(NOT APPLICABLE)

*- End of Section -*