Permit No.	Date	DIN
29-06	August 20, 2013	19570

RALEIGH CENTRAL FILE COPY
29-06

North Carolina
Department of Environment and Natural Resources

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Dexter R. Matthews, Director

FACILITY PERMIT NO: 29-06
Part 2 - Permit to Operate
Date of Original Issue - Area 3: September 28, 1994
Area 3: January 17, 1995
Permit Renewal - Area 1: August 21, 1995
Area 1: March 13, 1996
Area 2: May 30, 2000
HHW: June 22, 2001
C&D: November 20, 2001
Mobile Home Recycling: May 15, 2002
Alternate Daily Cover: May 15, 2002
Area 2: June 24, 2003

MUNICIPAL SOLID WASTE LANDFILL

FACILITY PERMIT

DAVIDSON COUNTY
is hereby issued a PERMIT to OPERATE a
MUNICIPAL SOLID WASTE LANDFILL FACILITY

located on Roy Lopp Road, North Carolina State Road 2014, Davidson 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.

James C Coffey

James C. Coffey, Chief
Solid Waste Section

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-733-0692 \ FAX: 919-733-4810 \ Internet: www.enr.state.nc.us
AN EQUAL OPPORTUNITY \ AFFIRMATIVE ACTION EMPLOYER – 50% RECYCLED / 10% POST CONSUMER PAPER

ATTACHMENT 3

Approved Documents

PART I: GENERAL FACILITY

1. *Construction Plan Application, Phase 1, Davidson County Sanitary Landfill*, prepared by Camp Dresser & McKee, dated March, 1993.

2. *Construction Plan Application, Davidson County Landfill, Volume 1 of 2, Design Report*, prepared by Camp Dresser & McKee, dated April, 1993.

3. *Construction Plan Application, Davidson County Landfill, Volume 2 of 2, Design Calculations*, prepared by Camp Dresser & McKee, dated April, 1993.

4. Davidson County Special Use Permit Number 8-93-S, dated May 3, 1993.

5. *Response to Comments, Davidson County Phase I Landfill, Construction Permit Application, Completeness Review, Part I*, prepared by Camp Dresser & McKee, dated September 13, 1993.

6. *Response to Comments, Davidson county Phase I Landfill, Construction Permit Application, Completeness Review, Part II*, prepared by Camp Dresser & McKee, dated September 17, 1993.

7. City of Thomasville leachate acceptance letter, dated September 21, 1993.

8. Additional Geological/Hydrogeological Information, dated October 6, 1993.

9. Bedrock Contour Map, Sheet 1, received October 7, 1993.

10. Potentiometric Contour Map, Sheet 2, received October 7, 1993.

11. Base Grade Plan, Sheet C-4, prepared by Camp Dresser & McKee, received October 7, 1993.

12. Base Grade Plan with Potentiometric Contours, Sheet C-4A, prepared by Camp Dresser & McKee, received October 7, 1993.

13. Fracture Trace Analysis, received October 7, 1993.

14. *Area 3 Disposal Unit, Davidson County Sanitary Landfill, Construction Quality Assurance Certification Report*, prepared by Camp Dresser & McKee, dated May 1994.

15. *Plan for Verifying the As-Built Thickness of the Clay Liner and Sand Drainage Layer in the Area 3 Disposal Unit at the new Davidson County Landfill, Permit No. 29-06*, prepared by Camp Dresser & McKee, dated June 20, 1994.

16. Modification to Permit 29-06, prepared by the Division of Waste Management, dated June 22, 1994.

17. *Modification to Approach to Determining Clay Liner Thickness, Area 3 Disposal Unit - Davidson County Landfill*, prepared by Camp Dresser & McKee, dated June 24, 1994.

18. Modification to Permit 29-06, prepared by the Division of Waste Management, dated June 24, 1994.

19. *Denial of Application of Davidson County for Solid Waste Permit, Part II, Permit to Operate (Construction Permit Number 29-06)*, prepared by the Division of Waste Management, dated June 28, 1994.

20. *Request to Stockpile Clay and Construct Test Pad, Repair of Area 3 Disposal Unit - Davidson County Sanitary Landfill*, prepared by Camp Dresser & McKee, dated June 30, 1994.

21. Solid Waste Section approval letter to stockpile clay, prepared by the Division of Waste Management, dated June 30, 1994.

22. *Final Submittal, Repair and Reconstruction Plan, Modification to Construction Permit 29-06, Repair of Area 3 Disposal Unit - Davidson County Sanitary Landfill*, prepared by Camp Dresser & McKee, dated July 13, 1994.

23. Modification to Permit 29-06, prepared by the Division of Waste Management, dated July 14, 1994.

24. *Area 3 Disposal Unit - Cell A, Davidson County Sanitary Landfill, Construction Quality Assurance Certification Report*, prepared by Camp Dresser & McKee, dated September 1994.

25. *Area 3 Disposal Unit - Cell B, Davidson County Sanitary Landfill, Construction Quality Assurance Certification Report*, prepared by Camp Dresser & McKee, dated October, 1994.

PART II: MUNICIPAL SOLID WASTE LANDFILL

26. *Davidson County Subtitle D Sanitary Landfill, Permit Renewal Application, Area 1 Disposal Unit*, prepared by Camp Dresser & McKee, dated August, 1994, as revised.

27. Plans entitled *Engineering Plan, Area 1 Disposal Unit, Davidson County Sanitary Landfill*, dated August, 1994, sheets EP-1 through EP-11, prepared by Camp Dresser & McKee, as revised.

28. Plans entitled *Facility Plan, Davidson County Sanitary Landfill*, dated August, 1994, sheets FP-1 through FP-8, prepared by Camp Dresser & McKee, as revised.

29. Plans entitled *Area I, Davidson County Sanitary Landfill*, prepared by Camp Dresser & McKee, sheets 1 through 6.

30. *Area 1 Disposal Unit - Cell 1, Davidson County Sanitary Landfill, Construction Quality Assurance Certification Report, Volume 1*, prepared by Camp Dresser & McKee, dated July, 1995.

31. *Area 1 Disposal Unit - Cell 1, Davidson County Sanitary Landfill, Construction Quality Assurance Certification Report, Volume 2*, prepared by Camp Dresser & McKee, dated July, 1995.

32. *Area 1 Disposal Unit - Cell 2, Davidson County Sanitary Landfill, Construction Quality Assurance Report*, prepared by Camp Dresser & McKee, dated January, 1996.

33. *Volume I, Application for Permit Amendment, Davidson County Landfill*, prepared by Joyce Engineering, Inc., dated January, 1999, latest revision.

34. *Volume II, Application for Permit Amendment, Davidson County Landfill*, prepared by Joyce Engineering, Inc., dated January, 1999, latest revision.

35. *Design Hydrogeologic Report, Subtitle-D Municipal Solid Waste Landfill Area 2*, prepared by G.N. Richardson & Associates, dated June, 1998, latest revision.

36. *Construction Quality Assurance Documentation, Davidson County Landfill, Phase One - Area 2 - Cell One Expansion, Permit Number 29-06, Davidson County, North Carolina, Volume One*, dated April, 2000, prepared by Joyce Engineering, Inc.

37. *Construction Quality Assurance Documentation, Davidson County Landfill, Phase One - Area 2 - Cell One Expansion, Permit Number 29-06, Davidson County, North Carolina, Volume Two*, dated April, 2000, prepared by Joyce Engineering, Inc.

38. *Construction Quality Assurance Documentation, Davidson County Landfill, Phase One - Area 2 - Cell One Expansion, Permit Number 29-06, Davidson County, North Carolina, Volume Three*, dated April, 2000, prepared by Joyce Engineering, Inc.

39. Letter with subject *Permit Application for Use of Alternative Daily Cover Material (ADCM), Davidson County Sanitary Landfill*, dated February 13, 1995, prepared by Camp Dresser & McKee.

40. *Davidson County Landfill Phase 1, Area 2, Cell 2 Expansion, NC DENR Permit #29-06, Construction Quality Assurance Certification Report*, dated March 2003,

prepared by Joyce Engineering, Inc.

PART III: CONSTRUCTION AND DEMOLITION LANDFILL

41. *Permit to Construct Application, Davidson County C&D Landfill - Phase 1, Lexington, North Carolina*, dated July, 2000, prepared by G. N. Richardson & Associates.

42. Plans entitled *Construction & Demolition Debris (C&D) Landfill - Phase 1, Engineering Drawings*, dated July 2000, prepared by G. N. Richardson & Associates.

43. *Construction Quality Assurance Report, Davidson County C&D Landfill - Phase 1, Lexington, North Carolina*, dated August 2001, prepared by G. N. Richardson & Associates.

PART IV: LAND CLEARING AND INERT DEBRIS LANDFILL

PART V: YARD WASTE

PART VI: MISCELLANEOUS FACILITIES

Household Hazardous Waste Documents

44. *Application for Permanent HHW Facility*, submitted by Davidson County on May 15, 2001 and revised June 22, 2001.

Mobile Home Recycling Documents

45. *Operations Manual, Davidson County C&D Landfill - Mobile Home Deconstruction*, dated May 2002, prepared by G.N. Richardson & Associates.

ATTACHMENT 4

Conditions of Permit to Operate

PART I: GENERAL FACILITY CONDITIONS

1. Pursuant to 15A NCAC 13B .0201(e), this permit shall be reviewed on May 30, 2005. Davidson County shall submit to the Solid Waste Section for review, 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.

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 of each year, the permittee shall report the amount of waste received (in tons) at this facility and disposed of in the landfill units to the Solid Waste Section, on forms prescribed by the Section. The reporting period shall be for the previous year, beginning July 1 and ending on June This report shall include the following information:

    a. The amount of waste received and land filled in tons, compiled on a monthly basis and by specific waste type if diverted to a specific unit within the permitted facility.

    b. A physical survey of volume utilized in the MSW 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.

c. The amount of waste, in tons, from scale records, disposed in the MSW cells since September 28, 1994 through the date of the annual volume survey.

d. The completed report shall be forwarded to the Regional Waste Management Specialist for the facility. A copy of the completed report shall be forwarded to the County Manager of each county from which waste was received.

6. 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.

PART II: MUNICIPAL LANDFILL UNIT SPECIFIC CONDITIONS

GENERAL CONDITIONS

7. This permit approves the operation of Area 2 of the municipal solid waste landfill unit as well as the on-site environmental management and protection facilities as described in the approved plans.

8. This permit is for operational approval of a permitted capacity of approximately 812,000 cubic yards, consistent with the contours as shown in the approved drawings.

MONITORING AND REPORTING

9. Ground water monitoring at this unit shall be as prescribed by the appropriate requirements of 15A NCAC 13B .1630-.1637 and the approved monitoring plan.

10. A readily accessible unobstructed path shall be cleared and maintained so that four-wheel drive vehicles may access monitoring locations at all times.

11. A field log book which 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.

12. Records of all ground-water, surface water and leachate analytical data shall be kept as part of the permanent facility record.

13. Ground water monitoring wells and surface water sampling locations must be sampled for Appendix I constituents at least semi-annually according to the specifications outlined in the approved water quality monitoring plan and the current policies and guidelines of the Section in effect at the time of sampling.

14. 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.

15. The four independent samples which comprise the initial baseline sampling event shall be collected from each ground water monitoring well and the report shall be submitted to the Section within six months after issuance of the Permit to Operate.

16. 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 and COD, phosphate, nitrate, and sulfate. 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

17. The landfill unit shall conform to all operating requirements described in the approved plans, 15A NCAC 13B .1626, and the conditions specified herein.

18. 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 comprehensive use and demonstration for the effectiveness plan developed according to Section guidelines and consistent with the approved plan. Plans which are approved

by the Section will be incorporated into, and made a part of, the approved documents found in Attachment 3.

a. The use of a synthetic tarp as an alternate daily cover is approved in accordance with the approved document: letter from CDM dated February 13, 1995.

19. The use of leachate recirculation as a leachate management tool requires approval, by the Solid Waste Section, prior to implementation. Requests for leachate recirculation approval must include a comprehensive management plan developed according to Section guidelines and which is consistent with the approved operation plan. Plans which are approved by the Section will be incorporated into, and made a part of, the approved documents found in Attachment 3.

20. The MSWLF unit is permitted to co-dispose of wastewater treatment sludges generated within the facility's approved service area, subject to the terms and procedures of the approved plan.

21. 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 13B .1628.

PART III: CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC CONDITIONS

22. Phase 1 of the C&D unit is approved for a disposal capacity consistent with the approved contours as shown in the approved plans.

23. Operation of the C&D unit shall be in accordance with 15A NCAC 13B .0505, the approved plans, and the following specific conditions:

a. The C&D Unit is permitted to receive the following waste types:

i. Land Clearing Debris as defined in G.S. 130A-290, specifically, solid

waste which is generated solely from land clearing activities, such as stumps, trees, etc.;

ii. Inert Debris defined as solid waste which consists solely of material that is virtually inert, such as brick, concrete, rock, and clean soil.

iii. Asphalt in accordance with G.S. 130A-294(m); and

iv. Construction and Demolition Debris defined as solid waste resulting solely from construction, remodelling, repair, or demolition operations on pavement, buildings, or other structures.

b. Waste shall be covered with six-inches of suitable cover at least once per week, or when the active working area reaches on-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 which will not receive additional waste for twelve months or more, but where final elevations have not been reached, shall be covered with one-foot of soil cover.

c. Ground water and surface water sampling and analysis shall conform to the specifications found in the approved plans.

24. Closure Requirements - The C&D unit shall be closed in accordance with the approved plan and the requirements of the Solid Waste Section at the time of closure. A final closure plan shall be submitted for review at least 90 days prior to closure of any phase of the C&D landfill unit.

PART IV: LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS

PART V: YARD WASTE UNIT SPECIFIC CONDITIONS

PART VI: MISCELLANEOUS UNIT SPECIFIC CONDITIONS

PERMANENT HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY

OPERATIONAL CONDITIONS

25. This permit is for the construction and operation of a Permanent Household Hazardous Waste Collection Facility. Revisions of the approved plans shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section.

26. This permanent household hazardous waste collection facility is permitted to receive household hazardous waste (HHW) from homeowners and conditionally exempt small quantity generators. Unacceptable HHW that shall not be collected at this facility includes radioactive waste, explosives, and infectious waste.

27. Document number 41 of Attachment 3, "Approved Documents", is included in the approved plan.

28. This facility shall conform to all operating procedures in the approved plan, 15A NCAC 13B .0400, and the current Section policies and guidlines for HHW Collection Facilities.

29. Household Hazardous Waste Identification Number NCPH02901001 shall be used to ship wastes off site for recycling, treatment, or disposal.

REPORTING REQUIREMENTS

30. The permittee shall maintain records for the amount of HHW received at the facility and the amounts shipped off site for recycling, treatment, and disposal. Records must be compiled on a monthly basis and maintained at the facility for inspection upon request by Solid Waste Management personnel.

31. On or before August 1 of each year, the permittee shall report to the Solid Waste Section, the amount of HHW waste (in pounds) received at this facility and the amounts shipped off site for recycling, reuse, and / or disposal. The reporting period shall be for the previous year, beginning July 1 and ending June 30.

32. A copy of this permit and the approved plan shall be maintained at the facility. Copies of this permit shall be forwarded to the local fire departments, local hospitals, and other appropriate emergency agencies.

MOBILE HOME RECYCLING

33. Refer to Operations Manual for operating conditions.

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