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

PERMIT NO. 60-13
PTO ISSUED (Phase I) 24 JUNE 1993
AMENDMENT 1 (Phase II): 7 MARCH 1995
AMENDMENT 2 (PTC Expansion): 19 OCTOBER 2001
AMENDMENT 3 (PTO 4.4 Acres): 26 OCTOBER 2001
MODIFIED 15 APRIL 2003 (Subgrade Certifications and Expansion Area)

SOLID WASTE PERMIT

NORTH MECKLENBURG LANDFILL, INC. (Operator)
GRIFFIN-PARKER ENTERPRISES, GRIFFIN BROS. INC., NORTH MECKLENBURG LANDFILL, INC., AND LARRY GRIFFIN, SR. (Land Owners)

are hereby issued a permit to OPERATE a 15.26 Acre Expansion

Construction and Demolition Landfill Cell

located at 15300 Holbrook Road, southeast of the Town of Huntersville, in Mecklenburg 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 property deed included in the siting requirements and construction plan application referenced in Attachment 1.

James C Coffey
James C. Coffey
Section Chief
Solid Waste Section

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ATTACHMENT 1 (continued)

List of Additional Documents for Permit No. 60-13:

14. Letter dated 17 August 2002 from Patterson Brewer & Associates stating that the area from the previously proposed revision from item #13 above equals an addition of 0.36 acres (3% more area) or 7,850 cubic yards (1.3% more volume). Therefore, no new local government approval or franchise agreement is required.

15. Letter dated 16 September 2002 from Patterson Brewer & Associates certifying as-built subgrade elevations for 0.55 acres of the approved 14.9 acre total expansion.

16. Letter dated 15 April 2003 from Patterson Brewer & Associates certifying as-built subgrade elevations for the 0.36 acres addition to the 14.9 acre landfill, making a total of 15.23 acres in the expansion area.

ATTACHMENT 1

List of Additional Documents for Permit No. 60-13:

1. Approved Site and Construction Plans for Phase I of North Mecklenburg Landfill submitted 3 September 1993.

2. Hydrogeological assessment containing approved groundwater monitoring plan submitted by Ecological Services, Inc. 19 June 1992

3. Legal description of the facility (Phase I only).

4. Approved Construction and Operation Plan for North Mecklenburg Landfill submitted by Frank Hicks Associates, Inc. 20 January 1995 (Phase II Expansion).

5. Legal description of the facility (Phase II only).

6. "Final Site Plan Application, North Mecklenburg Landfill" submitted by Enviro-Pro, P.C. and dated 27 August 2001 including local government approval, zoning approval, franchise agreement, and legal description of the facility (expansion property).

7. "Construction Plan Application, North Mecklenburg C&D Landfill Expansion, Huntersville, NC" submitted by Patterson & Brewer Associates dated 18 July 2001 with revisions dated 12 October 2001; including construction plan drawings, sediment and erosion control plan approval, and facility operations plan.

8. Submittal dated 25 October 2001 from Griffin Brothers, Companies including boring logs, monitoring well installation records, and documentation to show that the permit had been recorded at the Register of Deeds office.

9. Letter dated 25 October 2001 from Patterson Brewer & Associates certifying as-built subgrade elevations for 4.40 acres of the approved 14.9 acre expansion.

10. Letter dated 14 November 2001 from Patterson Brewer & Associates certifying as-built subgrade elevations for 1.57 acres of the approved 14.9 acre expansion.

11. Letter dated 2 July 2002 from Patterson Brewer & Associates certifying as-built subgrade elevations for 0.60 acres of the approved 14.9 acre expansion.

12. Letter dated 31 July 2002 from Patterson Brewer & Associates certifying as-built subgrade elevations for 3.10 acres of the approved 14.9 acre expansion.

13. Letter dated 8 August 2002 from Patterson Brewer & Associates requesting a revision to the North Mecklenburg Landfill Expansion Grading plan to add an area previously designated as sediment basin SB-1 to the landfill disposal area.

20. If, during the operational life of the facility, it becomes apparent that the operations are impacting ground water adversely, the Solid Waste Section will require landfilling activities to cease and closure of the operating unit(s).

c. Prior to the acceptance of any waste at the facility, a baseline sampling event shall be completed. The results of this sampling event shall be submitted to the Section Hydrogeologist in a timely manner. (See Construction and Operation Condition 11(e).)

d. Well completion records and boring logs shall be submitted to the Division at the same time as the results of the initial sampling event or within 30 days of any new well completion (See Construction and Operation Condition 11(e)).

e. A geologist shall be in the field to supervise well installation. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the SWS Hydrogeologist at the time of well installation.

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

g. The permittee shall establish locations for surface water sampling. Surface water shall be sampled and analyzed semi-annually according to the protocol and parameters required by the Division at the time of sampling.

16. 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.

17. Explosive gas monitoring shall be performed as needed to ensure compliance with the standards in Rule .0503 (2)(a).

18. The permittee shall maintain a record of the amount of solid waste received at the facility, compiled on a monthly basis. Scales shall be used to weigh the amount of waste received.

19. On or before 01 August of each year (or an earlier date as requested by the Solid Waste Section), the permittee shall report the amount of waste received (in tons) at this facility and disposed of in the landfill to the Solid Waste Section and to all counties from which waste was accepted, on forms prescribed by the Section. This report shall include the following information:

a. The reporting period shall be for the previous year, beginning 01 July and ending on 30 June.

b. The amount of waste received and landfilled in tons, compiled on a monthly basis, according to Condition 4 described above, and

c. Documentation that a copy of the report has been forwarded to all counties from which waste was accepted.

u. Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of C&D landfill development.

Drainage Control and Water Protection Requirements

v. Surface water shall be diverted from the operational area.
w. Surface water shall not be impounded over or in waste.
x. A separation distance of at least four feet shall be maintained between waste and the ground-water table.
y. Solid waste shall not be disposed of in water.
z. Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to discharge of leachate to surface waters.

13. All pertinent landfill operating personnel will receive training and supervision necessary to carry out their duties and operate this landfill in a safe manner.

14. 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 facility 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;
    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 REQUIREMENTS:

15. Ground water quality at this facility is subject to the classification and remedial action provisions referenced in 15A NCAC 2L. Water quality monitoring for the C&D landfill shall occur according to approved plan and the following conditions:

    a. The permittee shall sample the monitoring wells on a semi-annual basis, or as directed by the SWS Hydrogeologist.
    b. Monitoring well design and construction, sampling methods and sampling equipment shall conform to specifications found in Attachment 2, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities". Sampling parameters shall conform to those found in Attachment 3, "Sampling and Analysis Requirements".

f. Areas which will not have additional waste placed on them for 12 months or more, but where final termination of operations has not occurred, shall be covered with a minimum of one foot of soil cover.

g. After final termination of disposal operations at the site, or major part thereof, or upon revocation of a permit, the final cover system shall be installed.

Access and Safety

h. The facility shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the Division to prevent unauthorized entry.

i. An attendant shall be on duty at the site at all times while it is open for public use to ensure compliance with operational requirements.

j. The access road to the site shall be of all-weather construction and maintained in good condition.

k. Dust control measures shall be implemented when necessary.

l. Signs providing information on dumping procedures, the hours of operation, the permit number, the emergency contact, and other pertinent information shall be posted at the site entrance.

m. Signs shall be posted stating that no MSW, hazardous waste, industrial waste or liquid waste can be received.

n. Traffic signs or markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge area and to maintain efficient operating conditions.

o. The removal of solid waste from the facility is prohibited unless the owner/operator approves and the removal is not performed on the working face.

p. Barrels and drums shall not be disposed of unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein, except fiber drums containing asbestos.

q. Open burning of solid waste is prohibited.

r. The concentration of explosive gases generated at the facility shall not exceed:
   i. twenty-five percent of the limit for gases in site structures (excluding gas control or recovery system components); and
   ii. the lower explosive limit for gases at the facility boundary.

Erosion and Sedimentation Control

s. Adequate sedimentation and erosion control measures shall be practiced to prevent silt from leaving the site.

t. Adequate sedimentation and erosion control measures shall be practiced to prevent excessive on-site erosion.

e. Surface water monitoring locations shall be established and groundwater monitoring wells (see Monitoring and Reporting Requirements) shall be installed. A baseline sampling event for background water quality shall be performed. Well construction records, boring logs, and evidence that a baseline sampling has been conducted shall be submitted to the Section Hydrogeologist for review and approval prior to operation (see Monitoring and Reporting Conditions below).

f. Recordation procedures for the permit shall be implemented as described above in General Conditions Numbers 1 and 2.

g. A comprehensive Operations Plan shall be submitted to the Division in accordance with 15A NCAC 13B .0505.

12. Operation of the facility shall occur in accordance with the NC Solid Waste Management Rules 15A NCAC 13B .0505, "Operational Requirements for Sanitary Landfills", the approved Operations Plan, and the following specific conditions:

Waste Acceptance and Disposal

a. The facility shall accept only those solid wastes which it is permitted to receive.

b. No municipal solid waste, hazardous waste, industrial waste or liquid waste shall be accepted for disposal.

c. Waste shall be restricted to the smallest area feasible and compacted as densely as practical into cells.

d. The permittee shall implement a program at the facility for detecting and preventing the disposal of unacceptable wastes. The program shall include, at a minimum:
   i. Random inspections of incoming loads or other comparable procedures;
   ii. Record keeping which documents these inspections;
   iii. Training of personnel to recognize hazardous, liquid, and other unauthorized waste types;
   iv. Development of a contingency plan to properly manage any identified hazardous or problem wastes; The plan must address identification, removal, storage, and final disposition of these wastes.

Cover Material Requirements

e. Operational soil cover of at least six inches shall be placed at least once per week or when the active area reaches ½ 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.

Construction and Operation:

8. This permit is for the development of the North Mecklenburg Landfill, Inc. 14.9 acre expansion within the approved facility description, in accordance with the approved plans prepared by Patterson Brewer & Associates (revisions dated 12 October 2001) and Enviro-Pro, P.C (dated 27 August 2001). Operation is approved for 14.9 acres and the 0.36 acre addition (totaling 15.23 acres) certified by Patterson Brewer & Associates.

9. This solid waste management facility is permitted to receive the following waste types:

   a. Land-clearing debris as defined in G.S. 130A-290, specifically, solid waste that is generated solely from land-clearing activities, such as stumps, trees, etc.;
   b. Inert debris defined as solid waste which consists solely of material that is virtually inert, such as brick, concrete, rock and uncontaminated soil;
   c. Asphalt in accordance with G.S. 130A-294(m);
   d. Construction and demolition debris defined as solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures;

   Note: Yard trash defined as solid waste consisting solely of vegetative matter resulting from landscaping maintenance (see G.S. 130A-290) is banned from disposal in this facility as per NC General Statutes.

10. All sedimentation and erosion control measures will be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed landfill.

11. The following requirements shall be met prior to operation of this facility:

   a. North Mecklenburg Landfill, Inc. or its consultant shall provide documentation to the Division that the site preparation (grading, placement of fill if applicable, maintaining 4 feet separation between waste and groundwater, etc.) has occurred in accordance with the construction plan and the conditions specified herein.
   b. The owner's geologist shall examine the cell excavation and note any pertinent geological features exposed during the construction process and shall notify the Solid Waste Section Hydrogeologist of these findings.
   c. Site inspection shall be made by a representative of the Division.
   d. Signs shall be posted at the facility in accordance with the Access and Safety Requirements under Operation Condition No. 12 listed below.

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NORTH MECKLENBURG LANDFILL, INC.

SOLID WASTE PERMIT
CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT

CONDITIONS OF PERMIT:

GENERAL:

1. This permit shall not be effective unless the certified copy is filed in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land in the county or counties in which the land is located. The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Division of Waste Management (the Division).

2. When this property is sold, leased, transferred or conveyed, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a sanitary landfill.

3. The permit is for a five year period and is subject to review on or before 26 October 2006, as per 15A NCAC 13B .0201(c) or sooner, according to the issuance date of this permit to operate. Modifications to the facility may be required in accordance with the rules in effect at the time of review. This facility may receive solid waste that is generated within a service area consisting of Mecklenburg County and the contiguous counties of Iredell, Cabarrus, Union, Gaston, and Lincoln.

4. The approved plan for this facility is described in Attachment 1, "List of Documents for Approved Plan". Where discrepancies exist, the most recent submittal and these Conditions shall govern. Some components of the approved plan are reiterated in these Conditions.

5. This permit is not transferable.

6. A copy of this permit, the approved plans, and all pertinent records shall be maintained on-site at the facility and made available to the Solid Waste Section (SWS) upon request.

7. The owner/operator is responsible for obtaining any and all permits and approvals necessary for the development of this project including approval from appropriate agencies for a General or Individual NPDES Stormwater Discharge Permit.