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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

January 25, 2006

Mr. David Jones, Director
Greene County Public Works
229 Kingold Blvd., Suite D
Snow Hill, NC 28580

Re: Greene County MSWLF, Modification #3 for Construction and Demolition Landfill Unit, Permit Number 40-02, Greene County

Dear Mr. Jones:

The Solid Waste Section hereby approves the modification of the referenced MSWLF Facility permit to allow the construction and operation of a CONSTRUCTION & DEMOLITION LANDFILL UNIT, in accordance with the approved construction plans dated March 18, 2005.

Please note operational conditions outlined on pages three through eight for the facility. The Waste Management Specialist for this facility is Mr. Ben Barnes and he can be reached in our Washington Regional Office at (252) 948-3915.

If you have any questions about this approval, please contact me at (919) 508-8498.

Sincerely,

James C Coffey

James C. Coffey,
Regional Engineer
Solid Waste Section

cc: Ben Barnes
Ed Mussler
Wayne Sullivan

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone 919-508-8400 \ FAX 919-733-4810 \ Internet http://wastenotnc.org

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**Facility Permit Number: 40-02**
Original Modification Date: 12/30/97
Modification #2 Date: 12/30/02
Modification #3 Date: 01/25/06

**STATE OF NORTH CAROLINA**

**DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

**DIVISION OF WASTE MANAGEMENT**

**1646 MAIL SERVICE CENTER: RALEIGH, NC 27699-1646**

# SOLID WASTE PERMIT

COUNTY OF GREENE

is hereby issued a permit to operate

Construction and Demolition Landfill Units:

Located on SR 1239 at the Greene County Landfill, Snow Hill, Greene County, in accordance with Article 9, Chapter 130A of the General Statues of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit.

Edward F. Mussler III
CN = Edward F. Mussler III, C = US, O = Division of Waste Management, OU = Solid Waste Section
I have reviewed this document and I am approving this document
2006.01.24 16:10:47 -05'00'

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

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Phone 919-508-8400 \ FAX 919-733-4810 \ Internet http://wastenotnc.org

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## ATTACHMENT LIST

List of Additional Documents for the Approved Transition Plan

1. Modification #1: Site and Construction Transition Plan modification application for the Greene County Landfill, Permit #40-02. Document titled "Construction and Demolition Landfill for Greene County, North Carolina" dated 2 December 1997 and received 23 December 1997.

2. Modification #2: Permit document dated 1 October 2002 requesting the operations of the C&D unit be extended for one year for Phase 1, per SHEET NO. 1 of 5/DRAWING NO. E1 to an elevation of 134' msl.

3. Modification #3: Revised Life Expectancy Calculations dated June 17, 2005 and permit drawings dated March 18, 2005.

# SOLID WASTE PERMIT

Permit to Operate
Greene County Landfill
Construction and Demolition Debris Landfill Unit

**CONDITIONS OF PERMIT:**

GENERAL

1. When this property is sold, leased, conveyed or transferred, 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.

2. This permit will be valid until July 1, 2008. Renewal and/or modifications to the permit shall be required in accordance with rules in effect at the time of review.

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

4. This permit is not transferable.

5. In accordance with 15A NCAC 13B, Rule .1628, the Financial Assurance Instrument shall accurately reflect the revised closure/post-closure costs for this facility and be reviewed and updated annually.

6. If during the operational life of the C&D unit it becomes apparent that the operations at the facility are impacting ground water adversely; the Solid Waste Section will require landfilling activities to cease and closure of the operating unit.

CONSTRUCTION AND OPERATION

7. This permit is for development of the Greene County Landfill Construction and Demolition Unit, in accordance with the approved drawings dated March 18, 2005.

8. 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 which 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 clean soil; and
c. Asphalt in accordance with G.S. 130-294(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.
e. C&D like waste that are similar to wastes typically found in the land clearing-inert debris and C&D waste streams consisting of wastes at this time: roofing shingle waste from the manufacturer, waste building materials from mobile home/modular home manufacturer and wooden pallets. Other wastes **MAY** be approved by the Division upon receipt of a written request with the specific waste type, how its generated, how much is generated; along with any additional information the Division may request to render a final decision on the disposal options for the waste.

Yard trash as defined in G.S. 130A-290, shall not be disposed in the landfill area. However, yard trash, along with land-clearing debris, may be accepted for processing in the Yard Waste Composting Area.

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

10. Operation of the C&D landfill units shall conform to the operating procedures described in the approved plan, in accordance with Section .1626 of the Solid Waste Management Rules, and in accordance with the following requirements:

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, liquid waste or waste not characterized as LCID or C&D shall be accepted for disposal.
c. The permittee shall implement a program at the facility for detecting and preventing the disposal wastes listed in item "b" of this section. The program shall include, at a minimum:
   (I) Random inspections of incoming loads or other comparable procedures:

(ii) Records of any inspections;
(iii) Training of personnel to recognize hazardous and liquid wastes;
(iv) Development of a contingency plan to properly manage any identified wastes listed in item "b" of this section; the plan must address identification, removal, storage, and final disposition of waste.

11. Cover Material Requirements
    a. 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.
    b. 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.
    c. After final termination of disposal operations at the site or major part thereof, or upon revocation of a permit, the fill areas shall be covered with a cap in accordance with .1627(c)(1) or .1627(c)(2) in accordance with the rules at the time of closure.

12. Access and Safety
    a. The facility shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the DWM to prevent unauthorized entry.
    b. 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.
    c. The access road to the site shall be of all-weather construction and maintained in good condition.
    d. Dust control measures shall be implemented when necessary.
    e. Signs providing information on dumping procedures, the hours of operation, the permit number, and other pertinent information shall be posted at the site entrance.
    f. Signs shall be posted stating that no MSW, hazardous waste or liquid waste can be received.
    g. 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.
    h. 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.

i. 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.
j. Open burning of solid waste is prohibited.
k. 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.

13. Erosion and Sedimentation Control
   a. Adequate sedimentation and erosion control measures shall be practiced to prevent silt from leaving the site.
   b. Adequate sedimentation and erosion control measures shall be practiced to prevent excessive on-site erosion.
   c. 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.

14. Drainage Control and Water Protection Requirements
   a. Surface water shall be diverted from the operational area.
   b. Surface water shall not be impounded over or in waste.
   c. A separation distance of at least four feet shall be maintained between waste and the ground-water table.
   d. Solid waste shall not be disposed of in water.
   e. 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.

15. All pertinent landfill operating personnel will receive training and supervision necessary to properly operate this C&D landfill unit in accordance with G.S. 130A-309.25 and addressed by memorandum dated 29 November 2000.

16. Ground water quality at this facility is subject to the classification and remedial action provisions referenced in Rule .1634 thru .1637 of 15A NCAC 13B.

17. 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; using the cap requirements outlined in Rule .1627(c)(1) or .1627(c)(2);
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

18. Ground-water monitoring wells and monitoring requirements for the C&D landfill units shall be in accordance with the monitoring system approved in the TRANSITION PLAN for the facility and these additional conditions:

    a. Monitoring well design and construction shall conform to the specifications outlined in the, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities".
    b. A geologist shall be in the field to supervise well installation, if necessary. 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 for new monitoring wells.
    c. For each new monitoring well constructed, a well completion record shall be submitted to DWM within 30 days upon completion.
    d. Sampling equipment, procedures, and parameters shall conform to specifications outlined in the above-referenced guidance document, or the current guidelines established by DWM at the time of sampling and in accordance with the approved TRANSITION PLAN OR ASSESSMENT AND REMEDIATION PLAN.
    e. In order to determine ground-water flow directions and rates, each monitoring well shall be surveyed, and hydraulic conductivity values and effective porosity values shall be established for the screened intervals for each new monitoring well.
    f. The permittee shall sample the monitoring wells semi-annually or as directed by the SWS Hydrogeologist.
    g. 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.

19. 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 DWM in a timely manner.

20. 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.

21. On or before 1 August (or an earlier date as requested by the Solid Waste Section), and each year thereafter, 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 6 described above; and
    c. Documentation that a copy of the report has been forwarded to all counties from which waste was accepted.

22. All records shall be maintained on-site and made available to the SWS upon request.

23. The Post-Closure plan approved in the TRANSITION PLAN shall be implemented and followed upon capping and closing the operating unit(s).