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Department of Environment + Natural Resources
Division of Waste Management
Attn: Mr. Jim Barber
1646 Mail Service Center Raleigh, NC 27699-1646

NCDENR

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

September 21, 2004

Commander
XVIII Airborne Corps and Fort Bragg
Attn: AFZA-PW-CB
Building 3-1634 Butner Road
Fort Bragg, North Carolina 28310

PLAT RECORDED ON 30 JUL 04, IN BOOK 112, PAGE 56

Re: Solid Waste Permit No. 26-08
PERMIT TO CONSTRUCT: Revise C&D Landfill PHASE I
Fort Bragg C&D Facility; Fort Bragg, Cumberland County

RECEIVED
4-22-2005 AM 9:53:18
J. LEE WARREN JR.
REGISTER OF DEEDS
CUMBERLAND CO., N.C.

Commander:

The referenced Permit to Construct is in accordance with N.C.G.S. 130A-294 and the N.C. Solid Waste Management Rules, 15A NCAC 13B. Attachment 1 lists documents included in the Approved Plan. The approved facility description includes the area shown on the site plan. Within the approved facility, the area permitted for construction is shown on Drawing Number 6361 (sheet 3 of 16 - Overall site plan) for Phase 1, dated 15 April 2004 and approved on 21 September 2004.

This permit is for a five year period, for Phase I consistent with the contours shown on the cross section drawings and final contours shown on Drawing Number (sheet 13 of 16 - Cross Sections) Phase 1, dated 15 April 2004 . Future expansion will be subject to all rules in effect at that time. This permit is issued to Fort Bragg as the owner and operator of the facility.

Please refer to the GENERAL Conditions of this permit for the definition of the approved plan and for general terms of the Solid Waste Permit. The CONSTRUCTION AND OPERATION conditions describe permitted fill areas, acceptable wastes types, landfill operation, and requirements which must be satisfied prior to operation of the facility as a C&D landfill. Specific requirements for groundwater monitoring and facility record keeping and reporting are described in the MONITORING AND REPORTING conditions.

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
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Please review the Conditions of Permit thoroughly. If you need further clarification, please contact me at (919) 733-0692 Ext: 255. Mr. Dennis Shackelford is the Waste Management Specialist for this area and can be contacted at DENR Fayetteville Regional Office at (910) 486-1541 x752.

Sincerely,

Jim Barber
Permitting Branch Supervisor
Solid Waste Section
Division of Waste Management

cc: John Crowder
Dennis Shackelford
Raleigh Central File: Permit 26-08 Fort Bragg C&D Landfill

PERMIT NO. 26-08
DATE ISSUED: 01/27/98
DATE AMENDED #1(PTO):11/09/99
DATE AMENDED #2(PTO):06/27/02
DATE AMENDED #3(PTC):09/21/04

STATE OF NORTH CAROLINA

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT

P.O. BOX 27687 RALEIGH, NC 27611

SOLID WASTE PERMIT

THE DEPARTMENT OF THE ARMY - FORT BRAGG

is hereby issued a PERMIT TO CONSTRUCT a

revised Construction and Demolition Landfill unit PHASE I(application April 2004)

located on Lamont Road, Fort Bragg Military Reservation, Cumberland 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
Section Chief
Solid Waste Section
Division of Waste Management

PERMIT NO.: 26-08
AMENDMENT ISSUED(PTC): 01/27/98
AMENDMENT #1 ISSUED(PTO):11/09/99
AMENDMENT #2 ISSUED(PTO):06/27/02
AMENDMENT #3 ISSUED(PTC):09/21/04

SOLID WASTE PERMIT
PERMIT TO CONSTRUCT AND OPERATE
Fort Bragg - Lamont Road
Construction and Demolition Debris Landfill Unit - Phase I and II

CONDITIONS OF PERMIT:

GENERAL

1. This permit will be in effect for five (5) years from date of issuance and shall be reveiwed by 27 June 2007. Modifications to the facility may be required in accordance with rules in effect at the time of review. This permit shall not be effective unless the certified copy is filed in the Register of Deeds Office, 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 shall be returned to the Solid Waste Section and shall have indicated on it the page, book number, date of recordation and the Register's seal.

2. 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.

3. This permit is not transferable. The service area for this facility is Fort Bragg, NC only.

CONSTRUCTION

4. This permit is for development and construction of the Construction and Demolition Landfill unit denoted as Phase I at the Fort Bragg - Lamont Road landfill facility in accordance with the approved drawings dated 15 April 2004, denoted as drawing number 6361(sheet 3 of 16) by HDR. Prior to placing waste in areas outside of Phase I consistent with approved drawings dated 15 April 2004, certification that the Phase II and Phase III have been constructed in accordance with the approved plans will be required.

5. This C&D unit 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.

Yard trash as defined in G.S. 130A-290, shall not be disposed in the landfill area, unless a request is made to the Solid Waste Section to allow for disposal in the C&D landfill.

6. 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 C&D landfill unit in accordance with 15A NCAC 13B .0505 (3)(b)(c).

7. The following requirements shall be met prior to and during operation of this C&D unit,(i.e. Prior to the issuance of a PERMIT TO OPERATE):

   a. C&D unit preparation shall be in accordance with the construction plan, and the conditions specified herein; and construction of Phase 1 shall be certified by the design engineer to be constructed in accordance with the approved plans dated 15 April 2004.
   b. C&D unit inspection shall be made by a representative of the Division of Solid Waste Management (DWM).
   c. Signs shall be posted at the entrance to Fort Bragg - Lamont Road landfill, in accordance with the Access and Safety Requirements under Operation Condition No. 5 listed below.
   d. Groundwater monitoring wells (see Monitoring and Reporting Requirements) shall be installed. A baseline sampling for water quality shall be performed. Well construction records and sample analysis results shall be submitted to the Section Hydrogeologist for review and approval prior to operation of the C&D unit.

OPERATION:

8. Operation of the C&D landfill unit shall conform to the operating procedures described in the approved plan, in accordance with Section .0505 of the Solid Waste Management Rules, and in accordance with the following requirements:

   Waste Acceptance and Disposal
   a. The C&D unit shall accept only those solid wastes which it is permitted to receive.
   b. No municipal solid waste, hazardous waste, or liquid waste shall be accepted for disposal in the C&D unit.
   c. The permittee shall implement a program for the C&D unit for detecting and preventing the disposal of MSW, hazardous or liquid wastes. 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 hazardous, liquid or MSW wastes; The plan must address identification, removal, storage, and final disposition of waste.

Cover Material Requirements

d. Operational soil cover of at least six inches shall be placed at least once per week or when the active area reaches 1/2 acre in size, or more often as necessitated by the nature of the waste, as to prevent the site from becoming a visual nuisance and to prevent fire, windblown materials, vectors, or water infiltration.
e. 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 [15A NCAC 13B .0505(3)(b)].
f. After final termination of disposal operations at the C&D unit or major part thereof, or upon revocation of a permit, the fill areas shall be covered with at least two feet of suitable compacted earth [15A NCAC 13B .0505(3)(c)] or consistent with future closure cap requirements for C&D landfills.

Access and Safety

g. The C&D unit shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the DWM to prevent unauthorized entry.
h. An attendant shall be on duty at the Fort Bragg - Lamont Road landfill, at all times while it is open for public use to ensure compliance with operational requirements.
i. The access road to the C&D unit shall be of all-weather construction and maintained in good condition.
j. Dust control measures shall be implemented when necessary.
k. Signs providing information on dumping procedures, the hours of operation, the permit number, and other pertinent information shall be posted at the entrance to Fort Bragg - Lamont Road landfill.
l. Signs shall be posted stating that no MSW, hazardous waste or liquid waste can be received in the C&D unit.
m. 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.
n. 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.

o. 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. Asbestos waste shall be managed in accordance with 40 CFR 61.
p. Open burning of solid waste is prohibited.
q. The concentration of explosive gases generated by the C&D unit 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 property boundary.

Erosion and Sedimentation Control

r. Adequate sedimentation and erosion control measures shall be practiced to prevent silt from leaving the site of the C&D unit.
s. Adequate sedimentation and erosion control measures shall be practiced to prevent excessive on-site erosion.
t. 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 unit development.

Drainage Control and Water Protection Requirements

u. Surface water shall be diverted from the operational area.
v. Surface water shall not be impounded over or in waste.
w. A separation distance of at least four feet shall be maintained between the C&D waste and the groundwater table.
x. Solid waste(C&D) shall not be disposed of in water.
y. 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.

9. 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(enclosed).

10. Ground water quality for the C&D landfill unit is subject to the classification and remedial action provisions referenced in Rule .0503 (2)(d) of 15A NCAC 13B.

11. 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&D 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;
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

12. Ground-water monitoring wells and monitoring requirements for the C&D landfill unit:

a. Monitoring well design and construction shall conform to the specifications outlined in, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities-DRAFT" and water quality sampling and analysis shall be done in accordance with Construction and Demolition landfills and Closed Sanitary Landfills
b. A total of fourteen locations, as shown of plan sheet 14 of 16 (drawing number 6361) consistent with the revised water quality monitoring plan. .
c. 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.
d. For each monitoring well constructed, a well completion record shall be submitted to DWM within 30 days upon completion.
e. Prior to the acceptance of any waste at the C&D unit, a baseline sampling event shall be completed and analysis submitted to the SWS Hydrogeologist.
f. Sampling equipment, procedures, and parameters shall conform to specifications outlined in the above-referenced guidance document,(Monitoring and Reporting Requirements, #11, item a, pg. 9) or the current guidelines established by DWM at the time of sampling.
g. 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 monitoring well.
h. The permittee shall sample the monitoring wells semi-annually or as directed by the SWS Hydrogeologist.
i. 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.

13. 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.

14. The permittee shall maintain a record of the amount of solid waste received at the C&D unit, compiled on a monthly basis. Scales shall be used to weigh the amount of waste received.

15. On or before 01 August 2005, and each year thereafter, the permittee shall report the amount of waste received (in tons) at the C&D unit and disposed of in the C&D landfill unit 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 13, page 10, described above; and
c. Documentation that a copy of the report has been forwarded to all counties from which waste was accepted.

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

ATTACHMENT 1

DEPARTMENT OF THE ARMY - FORT BRAGG

List of Documents for the Approved Plan

1. Site and Construction Plans/Application for FORT BRAGG - Lamont Road Landfill, Construction and Demolition Landfill Phase 1; plans dated 28 Novemeber 1997 and 18 January 1998.

2. Technical provisions dated 15 November 1997.

3. Construction and Demolition Debris Landfill operations plan dated 15 November 1997.

4. Erosion and Sedimentation Control Plan approval letter dated 9 December 1997.

5. Hydrologic and Geologic Study of proposed Lamont road C&D Landfill dated 7 July 1996.

6. Water Quality Monitoring Plan Lamont road C&D Landfill dated 27 August 1997.

7. Well construction records, boring logs and chain of custody of initial sampling event; received 20 January 1998.

8. Certification letter dated 26 October 1999 from George Whitley addressing construction excavation limits for C&D expansion.

9. Certification drawings from surveyor dated 13 September 1999 and location drawings indicating cell expansion, dated 25 October 1999: PW-5892.

10. Certification letter dated 19 March 2002 from George Whitley addressing construction excavation limits for C&D expansion for Phase II.

11. Construction drawings for Phase II dated 16 July 2002 identified as PWBC-6146 sheets 1 of 6 thru 6 of 6.

12. Permit application by HDR dated 14 April 2004 and site drawings by HDR dated 15 April 2004.

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DTE VOU PREP 04/15/05
CONTRACT NO SPEC16-05UOCUM0291
DATE PAID: 04/15/05

VOUCHER NO: 137890
PAID BY JOSEPH A. MYRDA
PAYMENT NO: 001
TYPE: FINAL
PAID BY DSSN: 5570

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SINGLE PIECE

CUMBERLAND CTY REGISTER OF
117 DICK STREET
FAYETTEVILLE NC 28301

INVOICE NUMBER	MDSE AMOUNT	INTEREST/ (DISCOUNT)	DAYS LATE	INT RATE %	FREIGHT	AMOUNT
RECORDINGFEE	66.00	0.00	0	0.0000%	0.00	66.00

FEES TO RECORD NC DENR PERMIT TO CONSTRUCT
DEMOLITION LANDFILL, PROJECT FW00051-2, IN
ORDER TO OBTAIN PERMIT TO OPERATE #26-08.

VOUCHER SUBTOTAL:	66.00
TAX WITHHELD:	0.00
ADJUSTMENTS:	0.00
TOTAL PAYMENT:	66.00

05104223810CAPS WCD: ROV4B
PREPARED BY: MDR

AUT-CER: TSHEPARD

FOR ANY QUESTIONS PLEASE CALL 1-800-553-0527

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04/15/05 JOSEPH A. MYRDA DIRECTOR FOR CENTRALIZED DISBU
DATE AUTHORIZED CERTIFYING OFFICER TITLE

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