



## ATTACHMENT 1

### Part A Permitting History

Permit Type	Date Issued
Permit to Construct	01/27/98
Amendment No. 1 (PTO)	11/09/99
Amendment No. 2 (PTO)	06/27/02
Amendment No. 3 (PTO)	July 13, 2007

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

1. Site and Construction Plans/Application for Fort Bragg - Lamont Road Landfill, Construction and Demolition Landfill Phase I; plans dated 28 November 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 I dated 16 July 2002 identified as PWBC-6146 sheets 1 of 6 thru 6 of 6.
12. Certified construction drawings for Phase I certified 11 January 2007 and identified as SPEC. No. FW-00051-2 containing Sheets 1 through 3 and Sheet C-1 certified 12 January 2007.

- End of Section -

## CONDITIONS OF PERMIT

### General Conditions

1. This permit covers an operational period of 5 (five) years until July 13, 2012.
  - a. Modifications to the facility and engineering plans may be required during the operating period in accordance with the rules in effect at the time of the review.
  - b. The owner or operator must submit an application for a permit amendment or modification to the Section by February 1, 2012. The application must be prepared in accordance with the applicable rules effective at the time of submittal to comply with 15A NCAC 13B .0201(e) for operation of Construction and Demolition Landfills beyond July 1, 2008.
  - c. If the unit operates past June 30, 2008 the owner/operator shall comply with the rules in effect at that time, including the provisions of 15A NCAC 13B.0547(2).
2. The documents listed in Attachment 1 "Approved Documents" comprise the operation plan for the C&D Landfill unit.
  - a. Operation of the C&D Landfill unit must be in accordance with the documents listed in Attachment 1.
  - b. Where discrepancies may exist, the most recent application submittal and the Conditions of Permit shall govern. Some components of the approved plan are reiterated in the Conditions of Permit.
3. The capacity of Phase I consists of the following dimensions:
  - a. Gross Acreage: 15.0 acres
  - b. Gross Volume: 974,700 cubic yards
4. Neither construction nor operation of the Phase II area is permitted at this time. Fort Bragg must submit an application for construction of the Phase II area in accordance with the Solid Waste Management Rules in effect at the time of application.
5. The service area for this facility is Fort Bragg only.
6. This permit is not transferable.
7. The facility operator shall have completed an approved operator training course in compliance with G.S. 130A-309.25.

- a. A responsible individual certified in landfill operations shall be on-site at all times during all operating hours of the facility at all times while open for public use to ensure compliance with operational requirements.
  - b. All pertinent landfill-operating personnel shall receive training and supervision necessary to properly operate the landfill units in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.
8. The owner or operator of the landfill facility shall not knowingly dispose of municipal solid waste that is generated within the boundaries of a unit of local government that by ordinance:
- a. Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.
  - b. Requires generators or collectors of municipal solid waste to recycle that type or form of municipal solid waste.

### **Construction and Operation**

9. This permit is for operation of the C&D Landfill unit denoted as Phase I in accordance with the with the approved plans listed in Attachment 1. Development and construction of the C&D Landfill denoted as Phase II at the Fort Bragg - Lamont Road landfill facility must be submitted in an application prepared in accordance with the N.C. Solid Waste Management Rules in effect at the time of the application.
10. All sedimentation/erosion control activities must be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation must be established on the completed C&D landfill unit in accordance with 15A NCAC 13B .0505 (3)(b)(c).
11. The following requirements must be met prior to issuance of a Permit to Operate of Phase II of the C&D unit:
  - a. C&D unit preparation must be in accordance with the construction plan, and the conditions specified herein.
  - b. Construction of Phase II must be certified by the design engineer to be constructed in accordance with the approved plans.
  - c. The permittee is responsible for arranging inspection of the C&D unit by a representative of the Division of Solid Waste Management (DWM).
  - d. Signs must 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.

- e. Groundwater monitoring wells (see Monitoring and Reporting Requirements) must be installed in accordance with the approved plans. A baseline sampling for water quality must be performed. Well construction records and sample analysis results must be submitted to the Section Hydrogeologist for review and approval prior to operation of the C&D unit.

## **Operation**

12. Operation of the C&D landfill unit must 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:
13. The C&D landfill units are permitted to receive the following waste types:
  - a. Unless otherwise specifically approved by permit condition, only “construction” or “demolition” types of solid wastes as defined in NCGS 130A-290 (a)(4) are permitted for acceptance and disposal in the C&D landfill units.
  - b. “Construction or demolition debris” as defined in G.S. 130A-290 (4) means solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.
  - c. “Inert debris” as defined in G.S. 130A-290 (14) means solid waste that consists solely of material that is virtually inert, such as brick, concrete, rock and clean soil.
  - d. “Land-clearing debris” as defined in G.S. 130A-290 (15) means solid waste that is generated solely from land-clearing activities such as stumps and tree trunks.
  - e. “Asphalt” in accordance with G.S. 130-294(m).
14. The C&D landfill units shall not receive the following waste types:
  - a. “Yard trash” as defined in G.S. 130A-290 (45) 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 or disposal in a LCID landfill.
  - b. Municipal solid wastes, hazardous wastes, or liquid wastes are not permitted for acceptance or disposal in the C&D landfill units.

15. The permittee must implement a program for the C&D unit for detecting and preventing the disposal of MSW, hazardous or liquid wastes. The program must include, at a minimum:
  - a. Random inspections of incoming loads or other comparable procedures;
  - b. Records of any inspections;
  - c. Training of personnel to recognize hazardous and liquid wastes;
  - d. Development of a contingency plan to properly manage any identified hazardous, liquid or MSW wastes;
  - e. The plan must address identification, removal, storage, and final disposition of waste.
  
16. Cover Material Requirements
  - a. Operational soil cover of at least six inches must 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.
  - b. Areas that will not have additional waste placed on them for 12 months or more, but where final termination of operations has not occurred, must be covered with a minimum of one foot of soil cover [15A NCAC 13B .0505(3)(b)].
  - c. After final termination of disposal operations at the C&D unit or major part thereof, or upon revocation of a permit, the fill areas must 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.
  
17. Access and Safety
  - a. The C&D unit must 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 must 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.
  - c. The access road to the C&D unit must be of all-weather construction and maintained in good condition.
  - d. Dust control measures must be implemented when necessary.
  - e. Signs providing information on dumping procedures, the hours of operation, the permit number, and other pertinent information must be posted at the entrance to Fort Bragg - Lamont Road landfill.
  - f. Signs must be posted stating that no MSW, hazardous waste or liquid waste can be received in the C&D unit.
  - g. Traffic signs or markers must 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 must 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 must be managed in accordance with 40 CFR 61.
  - j. Open burning of solid waste is prohibited.
  - k. The concentration of explosive gases generated by the C&D unit must 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.
18. Erosion and Sedimentation Control
- a. Adequate sedimentation and erosion control measures must be practiced to prevent silt from leaving the site of the C&D unit.
  - b. Adequate sedimentation and erosion control measures must 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 unit development.
19. Drainage Control and Water Protection Requirements
- a. Surface water must be diverted from the operational area.
  - b. Surface water must not be impounded over or in waste.
  - c. A separation distance of at least four feet must be maintained between the C&D waste and the groundwater table.
  - d. Solid waste (C&D) must not be disposed of in water.
  - e. Leachate must be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to discharge of leachate to surface waters.
20. 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.
21. 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 must 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

1. Monitoring well design and construction must conform to the specifications outlined in, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities- DRAFT" and water quality sampling and analysis must be done in accordance with Construction and Demolition landfills and Closed Sanitary Landfills.
2. A total of nine locations; MW-3,4,5,6 & 7 [in accordance with the approved Water Quality Plan dated 5 December 1997 from Richard R. Rust; along with wells MW-10,11,12 &13 based on Richard R. Rust revised water quality monitoring plan. .
3. A geologist must be in the field to supervise well installation. The exact locations, screened intervals, and nesting of the wells must be established after consultation with the SWS Hydrogeologist at the time of well installation.
4. For each monitoring well constructed, a well completion record must be submitted to DWM within 30 days upon completion.
5. Prior to the acceptance of any waste at the C&D unit, a baseline sampling event must be completed and analysis submitted to the SWS Hydrogeologist.
6. Sampling equipment, procedures, and parameters must 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.
7. In order to determine ground-water flow directions and rates, each monitoring well must be surveyed and hydraulic conductivity values and effective porosity values must be established for the screened intervals for each monitoring well.
8. The permittee must sample the monitoring wells semi-annually or as directed by the SWS Hydrogeologist. In addition to the wells described in condition 11(b); surface water location SW-2 must also be sampled semi-annually as part of the monitoring system.
9. A readily accessible unobstructed path must be initially cleared and maintained so that four-wheel drive vehicles may access the monitoring wells at all times.
10. The permittee must maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event must be submitted to DWM in a timely manner.

11. The permittee must maintain a record of the amount of solid waste received at the C&D unit, compiled on a monthly basis. Scales must be used to weigh the amount of waste received.
12. The permittee must 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 by 01 August on forms prescribed by the Section.
13. This report must include the following information:
  - a. The reporting period must 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.
  - d. A measurement of volume utilized in the CDLF landfill 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.
  - e. The amount of waste, in tons, from scale records, disposed of in the C&DLF landfill cells since the opening of the landfill through the date of the annual volume measurement.
14. All records must be maintained on-site and made available to the SWS upon request.

*- End of Permit Conditions -*