



Facility Permit No: 01-05  
Part 1 - Permit to Construct  
Coble's Construction and Demolition Landfill  
January 30, 2009  
Doc. ID:4918  
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North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor  
Dee Freeman, Secretary

STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
DIVISION OF WASTE MANAGEMENT  
SOLID WASTE SECTION

**CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL**

**PERMIT NO. 01-05**

COBLE'S SANDROCK, INC.  
is hereby issued a

**PERMIT TO CONSTRUCT**  
COBLE'S CONSTRUCTION AND DEMOLITION LANDFILL  
PHASES 3A AND 3B

Located at 5833 Foster Store Road, one half miles east of the community of Kimesville, in Liberty, Alamance 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 legal description of the site or the property map contained within the approved application.

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

1646 Mail Service Center, Raleigh, North Carolina 27699-1646  
Telephone 919-508-8400 \ Fax 919-733-4810 \ Internet <http://wastenotnc.org>

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## ATTACHMENT 1

### Part I: Permitting History

Issuance	Date
Original Issue	September 30, 1998
Permit Modification 1 (Area Certifications)	April 4, 2000
Permit Modification 2 (Area Certifications)	August 29, 2000
Permit Modification 3 (1.15 acre Addition)	January 24, 2002
Permit to Construct for the Phase 2	May 20, 2003
Permit to Operate Phase 2 Cell A	January 30, 2004
Permit to Construct for the Phases 3A & 3B Expansion	January 30, 2009

### Part II: List of Documents for the Approved Plan

1. “Volume I - Site Application, Coble’s Sandrock, Inc. C&D Landfill, Alamance County, North Carolina” prepared by Joyce Engineering, Inc. and G. Van Ness Burbach, Ph.D., P.G., dated March 2006 including Section I– Site Suitability Report for additional 114.4 acres expansion of the Coble’s Sandrock, Inc. C&D Landfill Unit.
2. “Volume I - Site Application, Coble’s Sandrock, Inc. C&D Landfill, Alamance County, North Carolina” prepared by Joyce Engineering, Inc. and G. Van Ness Burbach, Ph.D., P.G., dated March 2006, and revised June 4, 2007 including Section II – Hydrogeologic Report for additional 114.4 acres expansion of the Coble’s Sandrock, Inc. C&D Landfill Unit.
3. Letter dated June 4, 2007 from G. Van Ness Burbach, Ph.D., P.G. providing response to DENR comments dated June 15, 2006 and revised Hydrogeologic Report which incorporated the additional data and other changes requested in the June 15, 2006 DENR letter, and conclusion made in meeting on October 12, 2006.
4. Letter dated July 19, 2007 from G. Van Ness Burbach, Ph.D., P.G. responding to DENR comments dated July 3, 2007 on the Site Suitability Report and Hydrogeologic Report and providing seven revised drawings (Drawing No. 03 and Map 4 in the Site Suitability Report and DH-2 through DH-6 in the Hydrogeologic Report).
5. “Volume II –Application for Permit to Construct Phase 3, Coble’s Sandrock, Inc. C&D Landfill, Alamance County, North Carolina” prepared by Joyce Engineering, Inc. and Stephen Cowie dated September 2007 (final revision on May 2008) including Facility Plan, Engineering Plan, CQA Plan, Operation Plan, Closure and Post Closure Plan, and Monitoring Plan for Phase 3A (6.3 acres) and 3B (5.8 acres) expansion of the Coble’s Sandrock, Inc. C&D Landfill Unit.
6. Letter dated December 7, 2007 from G. Van Ness Burbach, Ph.D., P.G. responding to DENR comments dated November 30, 2007 on the Permit to Construct and Phase 3

Design Hydrogeologic Report for the Coble's Sandrock C&D Landfill and providing six revised drawings (H-4A, H-4B, H-4C, H-7, EP-02, and EP-10).

7. Letter dated March 18, 2008 from Stephen Cowie responding to DENR comments dated February 15, 2008 on the Application of Permit to Construct for the Coble's Sandrock C&D Landfill Phase 3 Expansion and a new revised application document was submitted.
8. Letter dated April 9, 2008 from Stephen Cowie to request for modification of Operations Plan in the Permit to Construct for the Coble's Sandrock C&D Landfill Phase 3 Expansion and revised document was provided.
9. Letter dated May 23, 2008 from Stephen Cowie responding to DENR comments dated May 02, 2008 on the Application of Permit to Construct for the Coble's Sandrock C&D Landfill Phase 3 Expansion and revised document was provided.

**Part III: Properties Approved for the Solid Waste Facility**

<b>Alamance County, N.C. Register of Deeds</b>				
Book	Page	Grantee	Grantor	Acres
1941	177	Kent Lee Coble and Wife Brenda Lamm Coble	Gregg Ray Phillips	17.25
1432	504	Kent Lee Coble and Wife Brenda Lamm Coble	Gijsbertus F. Van Staveren and Wife Cynthia J. Van Staveren	19.12
1309	324	Kent Lee Coble and Wife Brenda Lamm Coble	Devoe C. Euliss	12.67
1117	83	Kent Lee Coble and Wife Brenda Lamm Coble	Deanna Marie Coble	16.31
1074	958	Kent Lee Coble and Wife Brenda Lamm Coble	Gijsbertus F. Van Staveren and Deanna Marie Coble	19.82
375	553	Kent Lee Coble and Wife Brenda Lamm Coble	A.B. Coble; M.R. Coble & Wife Alma Coble; T.C. Coble & Wife Catherine Coble; J.P. Kimrey & Wife Dewell Coble Kimrey	97
Total Site Acreage:				182.17 acres

**PART V: YARD WASTE FACILITY DOCUMENTS**

(Not Applicable)

**PART VI: MISCELLANEOUS TREATMENT AND PROCESSING FACILITY DOCUMENTS**

(Not Applicable)

**PART VII: GENERAL PERMIT CONDITIONS**

1. This permit is issued by the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section (Section). In accordance with North Carolina Solid Waste Management Rule 15A NCAC 13B .0201(d), a solid waste management facility permit shall have two parts: a Permit to Construct and a Permit to Operate. The Permit to Construct shall expire on January 30, 2014. The Permit to Construct must be implemented in accordance with Attachment 2 of this permit. In accordance with the North Carolina Solid Waste Management Rules (Rule) 15A NCAC 13B .0534(b)(2)(H), the Permit to Construct shall expire if construction is not commenced within 18 months from the issuance date of the Permit to Construct. If substantial construction does not begin within 18 months from the issuance date of this permit, then the permittee must obtain a permit modification from the Section prior to construction, comply with the conditions of the approval and submit a Construction and Demolition Debris Landfill permit modification fee. Substantial construction includes, but is not limited to, issuance of construction contracts, mobilization of equipment on site, and construction activities including installation of sedimentation and erosion control structures.
2. The persons to whom this permit is issued (“permittee”) are the owners and operators of the solid waste management facility.
3. This permit shall not be effective until the certified copy of this permit which references legal descriptions for all land within the solid waste management facility boundary is recorded 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 must be returned to the Solid Waste Section within 30 calendar days of issuance of this permit. If the Solid Waste Section does not receive the certified copy of the recorded permit within 30 calendar days of issuance of the permit, then and in that event, the permit is suspended and of no effect until the date the Solid Waste Section receives the certified copy of the recorded permit.
4. When this property is sold, leased, conveyed, or transferred in any manner, the deed or other instrument of transfer must 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 and a reference by book and page to the recordation of the permit.
5. By beginning construction or receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.
6. Operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North

Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.

7. This permit is issued based on the documents submitted in support of the application for permitting the facility including those identified in Attachments 1 and 3, "List of Documents for Approved Plan," and which constitute the approved plan for the facility. Where discrepancies exist, the most recent submittals and the Conditions of Permit shall govern.
8. This permit may be transferred only with the approval of the Solid Waste Section, through the issuance of a new or substantially amended permit in accordance with applicable statutes and rules. In accordance with NCGS 130A-295.2(g) the permittee must notify the Solid Waste Section thirty (30) days prior to any significant change in the identity or business structure of either the owner or the operator, including but not limited to a proposed transfer of ownership of the facility or a change in the parent company of the owner or operator of the facility.
9. The permittee is responsible for obtaining 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. Issuance of this permit does not remove the permittee's responsibilities for compliance with any other local, state or federal rule, regulation or statute.

- End of Section -

## ATTACHMENT 2 CONDITIONS OF PERMIT TO CONSTRUCT

### PART I: GENERAL FACILITY CONDITIONS

1. This permit approves the Facility Plan that defines the comprehensive development of the 154.2-acre C&DLF facility encompassing the 67-acre disposal area and including the estimates of gross capacity, the solid waste stream to be received, the areas served by the facility, all on-site solid waste management facilities and related facility infrastructure in accordance with Rule 15A NCAC 13B .0537.
2. The total facility has an approved gross volume of approximately 6,935,903 cubic yards consistent with the approved final contours. Gross volume must be calculated as the volume between the top of the protective cover and the top of the final cover. Actual waste disposal capacity may vary depending upon waste compaction and amount and type of operational cover.
3. This permit approves the construction of Phase 3 as well as the on-site environmental management and protection facilities as describe in the approved plans. The development of Phases 1 and 2 have been completed. Future Phases 4 through 8 have not been approved for construction and operation. The permittee shall submit an amendment to this permit pursuant to Rule 15A NCAC 13B .0533(a)(2) for any subsequent phase of development.
4. Phase 3 including Phases 3A and 3B has a disposal capacity of approximately 919,875 cubic yards and encompasses approximately 12.2 acres.
5. The landfill is permitted to dispose solid waste that meets the definition provided in North Carolina General Statutes Chapter 130A-290(a)(4) and to accept for disposal solid waste in accordance with Rule 15A NCAC 13B .0542 (c), (d), &(e) which generated from service areas approved by the Alamance County Franchise Agreement except as otherwise prohibited by North Carolina General Statutes Article 9 of Chapter 130A and rules adopted by the Commission for Health Services.
6. This facility shall conform to the specific conditions set forth in this permit and the provisions of Rule 15A NCAC 13B .0534(b)(2).
7. In accordance with the financial responsibility for landfills adopted pursuant to G.S. 130A-294(b) and 130A-309.27, the permittee must provide proof of financial assurance to ensure closure of the site encompassing the Phase 1 through Phase 3 development in accordance with Rules 0.543 and 0.547(2) and to cover closure and post-closure of the

landfill. The financial assurance that may be demonstrated through surety bonds, insurance, letters of credit, and a funded trust must be submitted to the Solid Waste Section within thirty (30) calendar days of issuance of this permit. If the Solid Waste Section does not receive the financial assurance document within 30 calendar days of issuance of the permit, then and in that event, the permit is suspended and of no effect until the date the Solid Waste Section receives the financial assurance document.

### **Facility Construction Conditions**

8. This Permit to Construct is issued for Coble's Sandrock, Inc. C&DLF facility under the criteria set forth in the following rules:
  - a) 15A NCAC 13B .0533(a)(1)(B) to allow the permittee expand the facility boundaries from the currently permitted 39.6 acres to 154.2 acres as shown on the Drawing No. 03 in Document 1 of Attachment 1.
  - b) 15A NCAC 13B .0533(a)(2) for a subsequently expansion of the Phase 3A (6.3 acres) and Phase 3B (5.8 acres) as shown on the Drawing No. FP-01 in Document 5 of Attachment 1.
9. The permittee shall conduct a pre-construction meeting, on site, prior to initiating construction of any unit/cell at the site. The permittee shall notify the Solid Waste Section ten (10) days prior to said meeting.
10. Construction of Phase 3A and 3B C&DLF units within this facility shall be in accordance with the approved plans as described in Attachment 1, Part III, Documents 1 through 9 and the requirements stated in Rules 15A NCAC 13 B .0531-.0547.
11. Additional conditions and revisions of the approved documents or changes during construction of any landfill unit/cell require approval by the Solid Waste Section and may be subject to a permit modification fee.
12. Prior to commencement of any construction activities associated with Phase 3 C&DLF expansion, all sedimentation and erosion control activities shall be conducted and conformed to the requirements described in the Erosion and Sediment Control Plan and Drawing Nos. EP-08, EP-09, EP-11, and EP-12 in Document 5 of Attachment 1, the Sedimentation Pollution Control Law 15A NCAC 04, and any required NPDES permits. During the course of construction Phase 3 C&DLF units, the permittee must implement, but not limited to, the following sedimentation and erosion control activities:
  - a) All sedimentation and erosion control activities shall be conducted by installing and maintaining adequate structures and measures to manage the run-on and run-off generated by the 24-hour, 25-year storm event, to prevent silt from leaving the site, and to prevent excessive on-site erosion.

- b) 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&DLF development.
- 13. Modifications in sedimentation and erosion control activities may require approval by the Land Quality Section and the Solid Waste Section shall be notified by the permittee of any sedimentation and erosion control modifications.
- 14. Prior to construction of cell(s), all piezometers, ground-water monitoring wells, and borings, located in the proposed cell, shall be properly abandoned by over-drilling first (exception of non-cased borings) and sealed with grout in accordance with the Rule 15A NCAC 2C.0113(b)(1), titled "Abandonment of Wells":
  - a) In areas where soil is to be undercut, wells should not be grouted to pre-grade land surface, but to the proposed base grade surface to prevent having to cut excess grout and possibly damaging the wells.
  - b) Well abandonment record(s) (a completed GW-30 form) for each piezometer, ground-water monitoring well and boring shall be certified by the permittee's geologist and submitted to the Solid Waste Section in accordance with 15A NCAC 02C.0114(b).
- 15. The permittee's geologist shall be in the field to supervise of installing a groundwater monitoring well (MW-11) as shown on the Drawing No. H-8 and gas probes (GP-1 through GP-2) as shown on the Drawing No. MP-01 in the approved Document 5 of Attachment 1. Any modifications to the approved monitoring plan shall be submitted to the Solid Waste Section Hydrogeologist for review and approval. Documentation of all changes to the approved plan shall be submitted with the well construction records.
- 16. After well completion, provide a scaled as-built map depicting the location of the new ground-water monitoring wells and gas probes; existing ground-water monitoring wells, and abandoned piezometer / ground-water monitoring wells (included completed well abandonment form). Additionally, for each well constructed, a well construction record (completed GW-1 form), well schematic, boring log, and a description of well development activities shall be submitted, along with the aforementioned as-built drawings to the Solid Waste Section at the same time as the results of the initial sampling event or within 30 days upon completion of any new wells.
- 17. During the construction process of Phase 3 landfill expansion, the permittee's geologist shall conducted the following tasks:
  - a) Examine the cell excavation and note any pertinent geologic features exposed.
  - b) Upon completion of excavation and final grading, notify the Solid Waste Section Hydrogeologist, at least 24 hours before subgrade inspection, of all findings

recorded in the item (a) of this paragraph to confirm the completed final subgrade of landfill unit meet the requirements in accordance with the Rule 15A NCAC 13B .0540(5)(c).

18. The permittee shall implement the construction quality assurance (CQA) in accordance with the Rule 15A NCAC 13B.0541 and the approved CQA Plan in the Document 5 of Attachment I during the course of constructing each cell/unit of the Phase 3A and Phase 3B landfill development.
19. Prior to receiving waste at any unit of this facility, a Permit to Operate must be obtained from the Solid Waste Section in accordance with the Rule 15A NCAC 13B .0201(b).

**PART II: MUNICIPAL LANDFILL UNIT SPECIFIC CONDITIONS  
(NOT APPLICABLE)**

**PART III: CONSTRUCTION AND DEMOLITION UNIT SPECIFIC CONDITIONS**

20. Development of Phase 3 shall only be in accordance with the approved plans in Attachment I and the requirements stipulated in Rule 15A NCAC 13B .0531 - .0547. The construction of Phase 3 is permitted for approximately:
  - a) 12.1 acres (6.3 acres for Phase 3A and 5.8 acres for Phase 3B),
  - b) 900,200 cubic yards of available and reasonable obtainable air space, and
  - c) 858,000 tons of wastes over the 5-year planning period. The cumulative waste tonnage for the period is based on an average of 600 tons per day and a 5.5 working day per week.

**Pre Operational Conditions**

21. The following requirements shall be met prior to operation of this facility:
  - a) Site preparation (grading and placement of fill, if applicable, to maintain 4 feet vertical separation between waste and groundwater, etc) has occurred in accordance with the approved plans, the compacted soil liner requirement stipulated in the Alamance County Franchise Agreement, and the conditions specified herein.
  - b) A written CQA report including as-built drawings in accordance with Rule 15A NCAC 13B.0541(c) & (d) shall be submitted to the Solid Waste Section for review and approval.
  - c) The permittee shall arrange for a site inspection by a representative of the Solid Waste Section for the purpose of demonstrating that the facility construction is consistent with approved plans and specifications.
  - d) Prior to waste disposal in any new unit or cell, the permittee shall contact the appropriate regional Solid Waste Senior Environmental Specialist to determine

whether the Solid Waste Section chooses to hold a pre-operative meeting with key landfill personnel and representatives of the Section.

- e) Ground water monitoring wells and gas probes shall be installed, and surface water sampling locations shall be established. A baseline sampling event for background water quality shall be completely performed in accordance with 15A NCAC 13B. 0544(b)(1)(D). Well construction records and sampling results shall be submitted to the Solid Waste Section Hydrogeologist for review and approval prior to issuing the Permit to Operate.
- f) The permittee shall completely execute the applicable recordation procedures for the permit as described above in General Facility Conditions Numbers 2, 3 and 4.
- g) The permittee shall completely implement and install site access, security, signs, and safety requirements in accordance with 15A NCAC 13B. 0542(j).
- h) The permittee shall completely construct and install all required and approved measures, devices, and structures to prevent soil erosion, control sedimentation, manage surface water drainage, and to protect surface waterbody in accordance with 15A NCAC 13B. 0542(k) & (l).

**PART IV: LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS  
(NOT APPLICABLE)**

**PART V: YARD WASTE UNIT SPECIFIC CONDITIONS  
(NOT APPLICABLE)**

**PART VI: MISCELLANEOUS TREATMENT AND PROCESSING UNIT SPECIFIC  
CONDITIONS  
(NOT APPLICABLE)**

*- End of Permit Conditions -*