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NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Division of Waste Management

Beverly Eaves Perdue	Dexter R. Matthews	Dee Freeman
Governor	Director	Secretary

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

MUNICIPAL SOLID WASTE LANDFILL
Permit No. 3901-MSWLF-2012

GRANVILLE COUNTY
is hereby issued a

PERMIT TO CONSTRUCT

OXFORD SUBTITLE D MUNICIPAL SOLID WASTE LANDFILL
UNIT 2, PHASE 1

Located at 6584 Land Fill Road, approximately 4 miles northwest of Oxford, Granville 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 legal description of the site is identified on the deeds recorded for this property listed in Attachment 1 of this permit.

cn=Edward F. Mussler III, P.E., o=Solid Waste Section, ou=NC DWM, email=ed.mussler@ncdenr.gov, c=US
2012.05.04 10:32:21 -04'00'

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

ATTACHMENT 1

PART I: PERMITTING HISTORY

Permit Type	Date Issued	Doc ID No.
Original Issue – Permit to Construct, Unit 2 – Phase 1	May 04, 2012	16507

1. From 1976 to 1997, the Oxford Municipal Solid Waste Landfill (MSWLF) - Unit 1 operated on the property as a permitted MSWLF under Permit No. 3901-MSWLF-1981, with an initial disposal area of 21.9 acres. The landfill was not constructed with a liner below the waste. The size of the closed MSWLF disposal area is 28.8 acres. The volume of the closed MSWLF is approximately 690,261 tons or 1,380,522 cubic yards.

2. In 1997, the transition plan for the unlined MSWLF included a permit modification request to construct and operate a Construction and Demolition Debris Landfill (C&DLF) on top of the closed MSWLF- Unit 1. On January 1, 1998, the C&DLF on top of the closed MSWLF began receiving waste. The actual disposal area at the C&DLF has remained at 28.8 acres. The permit to operate this C&DLF under a separate Permit No. 3901-CDLF-1997 is in compliance with North Carolina Solid Waste Management Rule (Rule) 15A NCAC 13B .0547(4) and will expire on December 1, 2014.

3. Initially, the total landfill property consisted of 28.8 acres, but additional property was added over the years to bring the total landfill property to its current size of 397.73 acres. The new Subtitle D MSWLF, containing three units – Unit 2, Unit 3, & Unit 4 under Permit No. 3901-MSWLF-2012 on the east side of the closed MSWLF – Unit 1 will be constructed with liners and leachate collection systems in accordance with Rules 15A NCAC 13B .1600 et seq.

PART II: LIST OF DOCUMENTS FOR APPROVED PLAN

<u>*MUNICIPAL SOLID WASTE LANDFILL*</u>

1. *Volume 1 – Site Plan Application, Section I – General, Section II - Site Suitability, & Section III – Facility Plan. Oxford Landfill, Granville County, North Carolina*. Prepared by: Joyce Engineering, Inc. June 2009. Doc ID 8649.

2. *Volume 3- Hydrogeologic Reports, Section VIII –Site Hydrogeologic Report, Oxford Landfill, Granville County, North Carolina*. Prepared by: Joyce Engineering, Inc. June 2009. Doc ID 8652.

3. *Volume 1 - Site Plan Application, Volume 2 Construction Plan Application, Volume 3- Hydrogeologic Reports Oxford Landfill, Granville County, North Carolina*. Prepared by: Joyce Engineering, Inc. June 2009, revised through April 2012. Doc ID 16510.

CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL
(Not Applicable)

LAND CLEANING AND INERT DEBRIS LANDFILL
(Not Applicable)

COMPOSTING FACILITY
(Not Applicable)

MISCELLANEOUS TREATMENT AND PROCESSING FACILITIES
(Not Applicable)

PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Granville County, N.C. Register of Deeds				
Book	Page	Grantee	Grantor	Acres*
1314	324 - 326	Granville County, North Carolina	Granville County, North Carolina	
Plat 37	161	Recombination Survey		397.73
				Total Site Acreage: 397.73 acres

* The landfill facility property, including buffers, occupies approximately 397.73 acres. The C&DLF on top of the closed MSWLF –Unit 1 is approximately 29 acres. The waste footprints of the Subtitle D MSWLF – Unit 2, Unit 3, & Unit 4 encompass 157.8 acres.

PART IV: GENERAL PERMIT CONDITIONS

1. This permit is issued by the North Carolina Department of Environment and Natural Resources, Division of Waste Management (Division), 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 for Unit 2, Phase 1 must be implemented in accordance with Attachment 2 of this permit.

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 Section within 30 calendar days of issuance of this permit. If the 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 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 deed 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 at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.

6. Construction and operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of Chapter 130A of the North Carolina General Statutes (N.C.G.S. 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 identified in Attachment 1, "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 Section, through the issuance of a new or substantially amended permit in accordance with applicable statutes and rules. In accordance with N.C.G.S. 130A-295.2(g), the permittee must notify the 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 sedimentation and erosion control, and a General or Individual National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge Permit, if applicable.

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: FACILITY SPECIFIC CONSTRUCTION CONDITIONS

1. Pursuant to the North Carolina Solid Waste Management Rules (Rule) 15A NCAC 13B .0201(c) and (d)(1), this permit approves construction for Unit 2, Phase 1 of the Subtitle D Municipal Soild Waste Landfill (MSWLF) in accordance with the approved plans in Document No.3 (Doc ID 16510) referenced in Attachment 1, Part II, of this permit.

2. The initial, substantial, construction authorized by this Permit to Construct must commence within 18 months from the issuance date of this permit. 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 Municipal Solid Waste 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.

3. Construction of all solid waste management units within this facility must be in accordance with the pertinent approved plans and only for those phases of development approved for construction as described in Attachment I, Part II List of Documents for Approved Plan.

4. The permittee must conduct a preconstruction meeting at the facility prior to initiating construction of any unit/cell and must notify the Section at least 10 days prior to the meeting.

5. Modifications or revisions of the approved documents or changes during construction of any landfill unit/cell require approval by the Section, and may constitute a permit modification and be subject to a permitting fee.

<u>GEOLOGIC, GROUND WATER AND MONITORING REQUIREMENTS</u>

6. Prior to issuing the Permit to Operate, samples from new ground water monitoring wells and surface water stations must be sampled for the Appendix I constituent list.

7. Prior to construction of the phase or cell(s) within the phase, all piezometers, borings, and groundwater monitoring wells within the footprints must be properly abandoned in accordance with 15A NCAC 2C .0113, entitled “Abandonment of Wells.”.

8. In areas where soil is to be undercut, the permittee must ensure that the abandoned piezometers, monitoring wells and borings are not grouted to pre-grade land surfaces, but to the proposed base grade surface, to prevent having to cut excess grout and to avoid possible damage to the wells.

9. Within thirty (30) days of the completed permanent abandonment of a groundwater monitoring well, the well abandonment records (GW-30 form) for each decommissioned piezometer, boring, and groundwater monitoring well must be submitted to the Section. The well abandonment records must submitted to the Section consistent with 15A NCAC 2C .0114(b) and be certified by a Licensed Geologist in accordance with Rule 15A NCAC 13B .1623(b)(2)(I).

10. A Licensed Geologist must report any pertinent geological feature(s) exposed during phase or cell excavation. Prior to placing any landfill liner, the geologist must submit to the Section Hydrogeologist a written report that includes an accurate description of the exposed geological feature(s) and effect of the geological feature(s) on the design, construction, and operation of the cell, phase, or unit.

11. A Licensed Geologist must supervise installation of groundwater monitoring wells and surface water sampling stations.

12. Any modification to the approved water quality monitoring, sampling, and analysis plan must be submitted to the Section Hydrogeologist for review and approval prior to implementation of the changes.

13. Within 30 days of completed construction of each new groundwater monitoring well, a well construction record (GW-1 form), typical well schematic, boring log, field log and notes, and description of well development activities must be submitted to the Section. Each monitoring well and gas probe must be surveyed for location and elevation.

14. The permittee must submit to the Section a plan sheet-sized, scaled topographical map, showing the location and identification of new, existing, or abandoned wells and piezometers after installation of the groundwater monitoring wells.

15. All forms, reports, maps, plans, and data submitted to the Section must include an electronic copy submitted in pdf format.

EROSION AND SEDIMENTATION CONTROL REQUIREMENTS

16. All required sedimentation and erosion control measures must be installed and operable to mitigate excessive on-site erosion and to prevent silt from leaving the area of the landfill unit during the service life of the facility.

17. All earth disturbing activities must be conducted in accordance with the Sedimentation Pollution Control Act of 1973 (15 NCAC 4) and consistent with any other local, state or federal requirements.

18. Facility construction, operations or practices must not cause or result in a discharge of pollution, dredged material, and/or fill material into waters of the state in violation of the requirements under Sections 401 and 404 of the Clean Water Act, as amended.

19. Modifications to the approved sedimentation and erosion control activities require approval by the North Carolina Land Quality Section. The Section must be notified of any sedimentation and erosion control plan modifications.

PART II: MUNICIPAL SOLID WASTE LANDFILL SPECIFIC CONDITIONS

20. This permit authorizes the construction of the Subtitle D MSWLF – Unit 2, Phase 1 in accordance with the approved plan, Document No.3 (Doc ID 16510). Phase 1 is permitted for approximately 11 acres with a projected gross capacity of 660,000 cubic yards. Gross capacity is the measured volume between the top of the protective cover and the top of final cover.

21. Areas identified as future phases in Unit 2, Unit 3, & Unit 4 are deemed suitable for preparation of a permit application in accordance with 15A NCAC 13B .1618(a)(1). The permittee must submit an application for a Permit to Construct in compliance with applicable rules and statutes before commencement of construction in those future areas.

22. This permit approves the Facility Plan (Document No.3, Doc ID 16510, Attachment 1, Part II) that defines the comprehensive development of the facility including the gross capacity of the MSWLF, the phased development for all units, all onsite solid waste management facilities, and related infrastructure in accordance with 15A NCAC 13B .1619. The landfill approved for development is summarized below:

Incremental Phase Development	Acreage	Gross Capacity (cubic yard)[1]	Status
Unit 2			
Phase 1	11.0	660,000	To be constructed
Phase 2	8.9	683,000	To be developed
Phase 3	5.6	700,000	To be developed
Phase 4	11.8	768,000	To be developed
Phase 5	Vertical expansion	745,000	To be developed
Unit 2 Subtotal	37.3	3,556,000	

Unit 3			
Phase 1	14.6	788,000	To be developed
Phase 2	9.2	870,000	To be developed
Phase 3	6.6	860,000	To be developed
Phase 4	9.6	913,000	To be developed
Phase 5	9.5	960,000	To be developed
Phase 6	9.7	1,000,000	To be developed
Phase 7	6.0	1,100,000	To be developed
Phase 8	7.4	1,109,000	To be developed
Phase 9	7.4	1,200,000	To be developed
Phase 10	6.8	1,260,000	To be developed
Phase 11	Vertical expansion	590,000	To be developed
Unit 3 Subtotal	86.8	10,650,000	
Unit 4			
Phase 1	19.1	1,280,000	To be developed
Phase 2	14.6	1,400,000	To be developed
Unit 4 Subtotal	33.7	2,680,000	
Total	157.8	16,886,000	

Note:

(1) Except for Unit 2, Phase 1 area, delineation of wetlands at the rest of the areas to be incrementally developed has not been conducted by the US Army Corps of Engineers (USACOE) at the time of this permit issuance. Should wetlands be identified in accordance with USACOE Section 404 which impact the current approved MSWLF footprints and are unable to be remediated; the permitted gross capacity of the MSWLF shall be adjusted accordingly in the future permit conditions.

23. The following conditions must be met prior to the operation of Unit 2, Phase 1:

a. The permittee must obtain a Permit to Operate for the Unit 2, Phase 1 from the Section in accordance with 15A NCAC 13B .0201(d)(2).

b. Site preparation must be in accordance with the approved plans and the conditions of the permit.

c. Construction Quality Assurance (CQA) documentation and a certification by the project engineer that the landfill was built in accordance with approved plans and the conditions of the permit must be submitted to the Section for review and approval.

d. Prior to waste disposal in any new cell/unit, the permittee must contact the appropriate regional environmental specialist and permitting engineer 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. 1632. Well construction records (including gas probes) and sampling results shall be submitted to the Section Hydrogeologist for review and approval prior to issuing the Permit to Operate.

f. The edge of the waste footprint must be identified with permanent physical markers.

g. Documentation of financial assurance mechanisms must be submitted to the Section. The financial assurance amount must include:

   i. Closure and post-closure costs associated with Unit 2, Phase 1 to receive the Permit to Operate, in accordance with 15A NCAC 13B .1628.

   ii. Financial assurance sufficient to cover a minimum required amount of three million dollars ($3,000,000.00) for potential assessment and corrective action at the facility according to N.C.G.S. 130A-295.2(h), effective August 1, 2009. This financial assurance requirement is in addition to the financial responsibility requirements for site closure, post-closure cares, and the existing corrective actions.

PART III: CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC CONDITIONS

(Not applicable)

PART IV: LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS

(Not applicable)

PART V: COMPOSTING FACILITY SPECIFIC CONDITIONS

(Not applicable)

PART VI: MISCELLANEOUS TREATMENT AND PROCESSING UNIT SPECIFIC CONDITIONS

(Not applicable)

- End of Permit Conditions -

I do hereby certify that the attached PERMIT TO CONSTRUCT is an exact and true original of PERMIT NUMBER 39-01-MSWLF-2012 for the Oxford Subtitle D MSWLF.

_____
Ming-Tai Chao, P.E.
Environmental Engineer
Solid Waste Section
Division of Waste Management

North Carolina

_____ County

I, _____, Notary Public for _____ County,

North Carolina, do hereby certify that Ming-Tai Chao, Engineer of the Permitting Branch, Solid Waste Section, Division of Waste Management, NCDENR, personally appeared before me this day and acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal,

This the _____ day of _____, 20 ___.

OFFICIAL SEAL

_____
NOTARY PUBLIC

My commission expires _____, 20_____.

Note to Register of Deeds: This certified original permit shall be recorded by the Register of Deeds and indexed in the grantor index under the name of the land owner. The certified original affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Permitting Branch Supervisor, Division of Waste Management, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

NOTE: THE SPACE ABOVE IS FOR THE REGISTER OF DEEDS USE

THIS PAGE IS PROVIDED FOR RECORDATION PURPOSES. THE ENTIRE DOCUMENT, INCLUDING THIS PAGE, SHOULD BE RECORDED IN THE GRANTOR INDEX UNDER THE NAME OF THE LANDOWNER FOR THE PARCEL OF PROPERTY LOCATED IN GRANVILLE COUNTY AND SAID PROPERTY BEING OWNED BY GRANVILLE COUNTY AND FURTHER IDENTIFIED BY THE DEEDS RECORDED AS LISTED BELOW:

Granville County, N.C. Register of Deeds				
Book	Page	Grantor	Grantee	Acres*
1314	324 - 326	Granville County, North Carolina	Granville County, North Carolina	
Plat 37	161	Recombination Survey		397.73
				Total Site Acreage: 397.73 acres

* The landfill facility property, including buffers, occupies approximately 397.73 acres. The C&DLF on top of the closed MSWLF –Unit 1 is approximately 29 acres. The waste footprints of the Subtitle D MSWLF – Unit 2, Unit 3, & Unit 4 encompass 157.8 acres.

THE PURPOSE OF THIS RECORDATION IS TO NOTIFY FUTURE BUYERS OF SAID PROPERTY THAT A LANDFILL EXISTS ON THE PROPERTY.