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WAKE COUNTY, NC 215
LAURA M RIDDICK
REGISTER OF DEEDS
PRESENTED & RECORDED ON
11/15/2012 AT 13:26:48

BOOK:015016 PAGE:01951 - 01970

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ATTN: John Pfleger
WASTE INDUSTRIES
3301 BENSON DR. SUITE 601
RALEIGH, NC 27609

Construction and Demolition Landfill Facility
Permit No. 9231-CDLF-2012

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 WAKE COUNTY AND SAID PROPERTY BEING OWNED BY WAKE RECLAMATION, LLC AND FURTHER IDENTIFIED BY THE DEED RECORDED IN BOOK 14701 , PAGES 1898 THROUGH 1902 .

THE PURPOSE OF THIS RECORDATION IS TO NOTIFY FUTURE BUYERS OF SAID PROPERTY THAT A SOLID WASTE MANAGEMENT FACILITY HAS OPERATED ON THE PROPERTY.



Facility Permit No: 9231-CDLF-2012
Material Recovery C&D Landfill
Permit to Construct and Operate
October 22, 2012
Doc ID: 17487
Page 1 of 17

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

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

CONSTRUCTION AND DEMOLITION LANDFILL FACILITY
Permit No. 9231-CDLF-2012

WAKE RECLAMATION, LLC
(a wholly-owned subsidiary of Waste Industries USA, Inc.)
is hereby issued a

PERMIT TO CONSTRUCT
MATERIAL RECOVERY C&D LANDFILL
Phase 2A, and a

PERMIT TO OPERATE
MATERIAL RECOVERY C&D LANDFILL
Phase 1 (Cells A, B, and C), and Phase 2A (Cell 1)

Located at 2600 Brown Field Road, southeast of Raleigh, Wake 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 No. 1 of this permit.

Digitally signed by Edward F. Mussler
III, P.E.
DN: cn=Edward F. Mussler III, P.E.,
o=Solid Waste Section, ou=NC DWM,
email=ed.mussler@ncdenr.gov, c=US
Date: 2012.10.22 14:27:04 -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
Site Suitability Approval Letter	January 24, 2003	10050
Original Issue PTC (Phase 1 – Cells A, B, & C)	January 31, 2003	3232
PTO Phase 1, Cell A	October 1, 2003	10050
PTO Modification - New franchise / Wood waste processing area added	February 18, 2005	3600
PTO–Phase 1, Cell B	May 23, 2006	230
PTO– Phase 1, Cell C, and ownership change	January 28, 2008	3612
PTC Phase 2A	January 28, 2011	12346
PTO – 5 year amendment Phase 1, Cells A, B, and C	January 28, 2011	12346
PTO – Phase 2A, Cell 1	March 20, 2012	16327
PTC and PTO – Change in Ownership	October 22, 2012	17487

1. In 2003, a Permit to Construct for Phase 1, and Permit to Operate for Phase 1 Cell A were issued to Material Recovery, LLC, owned by MRR Southern, LLC. The Permit to Construct was recorded on February 14, 2003, at Book 9914, Pages 701 – 720 in the Wake County Register of Deeds.
2. On or about April 5, 2005, business entities which were wholly owned by WCA Waste Corporation purchased four solid waste management facilities in North Carolina owned by MRR Southern, LLC, including the construction and demolition waste landfill permitted to Material Recovery, LLC. Subsequent to the purchase of the facility, WCA obtained a franchise for the landfill from Wake County and applied for the permit to operate the facility to be re-issued to WCA Waste Systems, Inc. and Material Recovery, LLC. During this period, WCA continued to operate the landfill as previously permitted to Material Recovery, LLC. The permit that approved the ownership change was issued in January 2008.
3. WCA Waste Corporation requested a modification to the franchise to expand the franchise coverage area to include Harnett, Wayne, Wilson, Nash, Warren, Vance, Granville, Person, Caswell, Alamance, and Lee counties. Wake County adopted an ordinance modifying the franchise on September 20, 2010.

4. A transfer of permit to Wake Reclamation, LLC, a wholly owned subsidiary of Waste Industries USA, Inc., was requested in February 2012. Wake Reclamation, LLC agreed to operate the facility in accordance with the existing permit until a permit was issued reflecting the change in ownership. Wake County adopted an ordinance amending the franchise for the landfill on October 15, 2012. An amendment to the permit changing the owner and operator was issued October 22, 2012, as Permit 9231-CDLF-2012.

PART II: LIST OF DOCUMENTS FOR THE APPROVED PLAN

1. *Volume One - Site Application, Material Recovery, LLC/Brown-field Road Construction & Demolition Landfill.* December 2001. Joyce Engineering, Inc., Greensboro, NC. Revised through 2003. Doc ID 3602 (partial, Section II).
2. *Volume Two - Site Application, Material Recovery, LLC/Brown-field Road Construction & Demolition Landfill.* December 2001. Joyce Engineering, Inc., Greensboro, NC. Revised through 2003. Doc ID 10463.
3. *Construction Certification, Phase 1, Cell A.* Prepared by Joyce Engineering, Greensboro, NC. September 16, 2003.
4. Modification: Letter dated 25 March 2004 requesting the use of soils off-site with less than 10 ppm nitrate and addressing that soils with greater than 10 ppm nitrate levels be utilized on-site. Doc ID 10051.
5. Modification: New franchise approvals for Material Recovery, LLC. 20 January 2004 and 2 February 2004, Wake Board of Commissioners. The franchise changes include adding Franklin County to the service area and increasing the daily disposal amount. Doc ID 10551.
6. *Construction Quality Assurance Report, WCA Brownfield Road C&D Landfill Cell B.* Prepared by: David Garrett, P.G., P.E, Raleigh, NC. May 22, 2006. Doc ID 232.
7. Letter from Stephen R. Berlin to Paul Crissman, dated November 16, 2006, requesting issuance of permit to WCA Waste Corporation and providing information to support the request for permit issuance. Doc ID 823.
8. *Construction Quality Assurance Report, WCA Brownfield Road C&D Landfill Cell C.* Prepared by: David Garrett, P.G., P.E, Raleigh, NC. April 13, 2007. Doc ID 3828.

9. *Application for Permit to Construct, Phase 2A.* Prepared by David Garrett, P.G., P.E, Raleigh, NC. June 25, 2008, revised through December 2010. Doc ID 12363.
10. *Application for Permit to Construct, Phase 2A, Design Hydro Report, Water Quality Monitoring Plan, and Landfill Gas Monitoring Plan.* Prepared by David Garrett, P.G., P.E, Raleigh, NC. June 25, 2008, revised through March 2010. Doc ID 10041. Approval letter Doc ID 10047.
11. *Construction Quality Assurance Certification Report, Phase 2A, Cell 1.* Prepared by Joyce Engineering, Greensboro, NC. September 2011, revised through December 2011. Doc ID 16328.
12. Notification of change in operator and request to transfer permit. Submitted by Grady L. Shields, Wyrick Robbins Yates & Ponton LLP, Raleigh, NC, representing Waste Industries USA, Inc. February 28, 2012. DIN 16620.
13. Ordinance Modifying Franchise Issued to Material Recovery, LLC. Wake County Board of Commissioners. Franchise reissued to Wake Reclamation, LLC. Adopted October 15, 2012. DIN 17486

PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Wake County, N.C. Register of Deeds					
Book	Page	Grantor	Grantee	Tract	Acres
14701	1898	Material Recovery, LLC	Wake Reclamation, LLC	1	210.19
Book of Maps 2003	1508	Material Recovery, LLC and Margaret Talton		1	
Total Site Acreage					210.19

The Wake County property ID is 174 163 9103, and the Real Estate ID is 4648.

PART IV: 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 January 28,

2016. The Permit to Construct shall be implemented in accordance with Attachment 2 of this permit. The Permit to Operate shall expire January 28, 2016. The Permit to Operate must be implemented in accordance with Attachment 3 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 received 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. 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 (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. Failure to comply may result in compliance action or permit revocation.
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," which constitutes 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 NCGS 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**

1. Pursuant to the NC Solid Waste Management Rules (Rule) 15A NCAC 13B .0201(c) and (d)(1), this permit approves construction for Phase 2A of the landfill, consisting of approximately 16.7 acres with a projected operating capacity of 1,400,000 cubic yards of airspace.
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 permit to construct shall expire. 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. The permittee may reapply for the Permit to Construct prior to the expiration date. The re-application will be subject to the statutes and rules in effect on that date and may be subject to additional fees.
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 1, Part II, List of Documents for the 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.
6. The following conditions must be met prior to operation of Cell 2 and subsequent cells of Phase 2A:
 - a. 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.
 - b. The edge of the waste footprint must be identified with permanent physical markers, for both existing units and the new unit.

- c. The Permittee must contact the appropriate regional environmental specialist and permitting engineer to determine whether the Section chooses to hold a pre-operative meeting with key landfill personnel and representatives of the Section.
 - d. Documentation of financial assurance mechanisms must be submitted to the Section. The financial assurance amount must include closure and post-closure costs including the new phase to receive the PTO, in accordance with 15A NCAC 13B .0546, and must include costs for potential assessment and corrective action, in accordance with NCAC 13A 295.2 (h).
 - e. The Permittee must obtain a Permit to Operate for the phase from the Section in accordance with 15A NCAC 13B .0201(d).
7. If dried sludge from the site's previous use as a composting/sludge application site are encountered during excavation of the landfill cell, the dried sludge must be stockpiled separately from the insitu soils and must not be used in the cell construction.
8. No rock blasting is allowed in construction without written approval of a blasting plan by the Section.
9. Prior to construction of Phases 2B through 5, a Permit to Construct application must be submitted for approval to the Section. The application must be prepared in accordance with applicable statutes and rules in effect on that date and will be subject to a permitting fee.
10. Pursuant to Rule 15A NCAC 13B .0542(i)(2), burning of land-clearing debris generated on-site, as a result of construction activities, requires approval by the Section prior to initiating the burn. In addition, the Division of Air Quality and local fire department must approve the activity prior to burning.

Geologic, Water Quality, and Landfill Gas Monitoring Requirements

- 11. Prior to construction of the phase or cell(s) within the phase, all piezometers, borings, and groundwater and landfill gas monitoring wells within the footprint must be properly abandoned by overdrilling first (exception of non-cased borings) and sealed with grout in accordance with 15A NCAC 2C .0113 (d)(2), entitled "Abandonment of Wells."
- 12. In areas where soil is to be undercut, abandoned piezometers, groundwater and landfill gas monitoring wells and borings must not be grouted to pregrade land surface, but to the

proposed base grade surface to prevent having to cut excess grout and possibly damage the wells.

13. 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.
14. A Licensed Geologist must supervise the installation of groundwater monitoring wells and landfill gas monitoring wells. Each groundwater monitoring well and landfill gas well must be surveyed for location and elevation. Each groundwater monitoring well and landfill gas monitoring well must have an identification plate permanently attached to the well, in accordance with 15A NCAC 2C .0108(o).
15. Any modification to the approved water quality monitoring, sampling, landfill gas, and analysis plan must be submitted to the Section Hydrogeologist for review.
16. Groundwater and landfill gas monitoring well construction and abandonment must meet the requirements of 15A NCAC 02C.
17. Within 30 days of completed construction of each new groundwater and landfill gas monitoring well, a well construction record, well schematic, boring log, field log and notes, and description of well development activities, certified by a Licensed Geologist, must be submitted to the Section. Form GW-1(b) must be used for both groundwater and landfill gas wells. The submittal must also include a scaled topographic map, showing the location and identification of new, existing, and abandoned wells and piezometers.
18. Within thirty (30) days of the abandonment of any groundwater monitoring well or landfill gas monitoring well, the well abandonment record and any additional information included in the abandonment record must be certified by a Licensed Geologist, and submitted to the Section. Form GW-30 must be used for both groundwater and landfill gas wells.
19. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.
20. Proper abandonment records must be submitted to the Section for the residential drinking water well located in the center of Phase 2. The records must be submitted with the CQA report for the construction area of Phase 2 containing the well.

Erosion and Sedimentation Control Requirements

21. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act N.C.G.S. 113A-50, et seq., and rules promulgated under 15A NCAC 4. 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.
22. 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.
23. 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.

- End of Section -

**ATTACHMENT 3
 CONDITIONS OF OPERATING PERMIT**

PART I: OPERATING CONDITIONS

1. The Permit to Operate shall expire January 28, 2016. Pursuant to 15A NCAC 13B .0201(g), no later than September 28, 2015, the permittee must submit to the Section a permit amendment application prepared in accordance with 15A NCAC 13B .0535 (b).
2. This permit approves operation of Phase 2A, Cell 1 and the continued operation of Phase 1, Cells A, B, and C of the landfill, as well as the onsite environmental management and protection facilities as described in the approved plans. Operation of future phases or cells requires written approval of the Section after documentation has been submitted that the area has been constructed in accordance with applicable statutes and rules.
3. The following table lists the dimensions and details for the landfill, both existing and planned. Total gross capacity is defined as the volume measured from the bottom of waste through the top of final cover. The estimated life of the landfill, for both northern and southern areas, is approximately 21.9 years from 2010.

Phase	Acres	Gross Capacity	Status
1	20	1,636,000	Partially filled
2A (Cell 1)	4.8	366,000	Approved for fill
2A (remaining area)	11.9	1,034,000	Approved for construction
2B	8.2	1,400,000	future
2C	*	1,400,000	future
Total northern area	45	5,836,000	
Southern area 3-5	24.2	2,300,000	future
Total northern and southern areas	69.2	8,136,000	

*Phase 2C will be vertical fill over Phases 1, 2A, and 2B.

4. The permittee must maintain permanent markers that accurately identify the edge of the approved waste disposal boundary.

5. Fill operations must be contained within the approved elevation contours as shown on the approved application drawings. The maximum approved fill elevation for Phase 2A is 310 feet mean sea level, as shown on Drawing 8 (E2), Doc ID 12363.
6. The landfill is permitted to receive the following waste types:
 - a. "C&D solid waste" as defined in 15A NCAC 13B, Rule .0532(8) means solid waste generated solely from the construction, remodeling, repair, or demolition operations on pavement and buildings or structures. C&D waste does not include municipal and industrial wastes that may be generated by the on-going operations at buildings or structures.
 - b. "Inert debris" as defined in G.S. 130A-290 (a)(14) means solid waste that consists solely of material such as concrete, brick, concrete block, uncontaminated soil, rock, and gravel.
 - c. "Land-clearing debris" as defined in G.S. 130A-290 (a)(15) means solid waste which is generated solely from land clearing activities, limited to stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.
 - d. "Asphalt" in accordance with G.S. 130-294(m).
7. Regulated asbestos-containing material must be managed in accordance with 40 CFR 61. Disposal of asbestos waste must be in accordance with 15 NCAC 13B .0542 (c).
8. Those wastes listed in 15A NCAC 13B .0542 (e) must not be accepted for disposal including, but not limited to, hazardous waste, municipal solid waste, liquid waste, commercial and industrial wastes, and yard trash.
9. Wastewater treatment sludge is not approved for disposal. Wastewater treatment sludge may be accepted, with the approval of the Section, for utilization as a soil conditioner and incorporated into or applied onto the vegetative growth layer. The wastewater treatment sludge must not be applied at greater than agronomic rates nor to a depth greater than six inches.
10. The facility is approved to accept approximately 1100 tons per day, approximately 286 days per year (5.5 days per week), with a maximum variance in accordance with GS 130A-294(b1)(1) and consistent with the approved franchise granted by the County of Wake dated February 2, 2004.
11. This facility is permitted to receive solid waste generated within the following counties: Alamance, Caswell, Chatham, Durham, Franklin, Granville, Harnett, Johnston, Lee,

Nash, Orange, Person, Vance, Wake, Warren, Wayne, and Wilson and the municipalities contained within those counties, consistent with the approved franchise approved by the Wake County Board of Commissioners.

12. The permittee must not knowingly dispose of C&D waste that is generated within the boundaries of a unit of local government that by ordinance:
 - a. Prohibits generators or collectors of C&D waste from disposing of that type or form of C&D waste.
 - b. Requires generators or collectors of C&D waste to recycle that type or form of C&D waste.
13. The facility operator must complete an approved operator training course in compliance with G.S. 130A-309.25.
 - a. A responsible individual certified in landfill operations must be on-site 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 must receive training and supervision necessary to properly operate the C&D landfill unit in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.
14. The permittee must actively employ a training and screening program at the facility prepared in accordance with Section .0544(e) for detecting and preventing the disposal of excluded or unauthorized wastes. At a minimum, the program must include:
 - a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of any inspections.
 - c. Training of personnel to recognize hazardous, liquid, and other excluded waste types.
 - d. Development of a contingency plan to properly manage any identified hazardous, liquid, MSW, or other excluded or unauthorized wastes. The plan must address identification, removal, storage, and final disposition of these wastes.
15. The use of alternative periodic cover requires approval, prior to implementation, by the Section. Requests for alternative periodic cover approval must include a plan detailing the comprehensive use and a demonstration of the effectiveness of the alternative cover, developed according to Section guidelines. Plans that are approved by the Section will be incorporated into, and made a part of, the approved documents listed in Attachment 1.

16. Financial assurance must be continuously maintained for the duration of the facility in accordance with Rule 15A NCAC 13B .0546, 15A NCAC 13B .0547 (2), and NCGS 130A 295.2 (h). The owner and operator must annually adjust cost estimates including closure and post-closure activities, and potential assessment and corrective action costs, for inflation within 60 days prior to the anniversary date of the establishment of the financial instrument(s), pursuant to 15A NCAC 13B .0546.
17. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act N.C.G.S. 113A-50, et seq., and rules promulgated under 15A NCAC 4. 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.
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.
20. An updated 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 in accordance with 15 NCAC 13B .0543(c), or the solid waste management rules in effect at the time of closure;
 - b. Construction and maintenance/operation of the final cover system and erosion control structures; and
 - c. Surface water, ground water, and explosive gas monitoring.

PART II: MONITORING AND REPORTING REQUIREMENTS

21. Groundwater, surface water, and landfill gas monitoring locations must be established and monitored as identified in the approved plans (Doc ID 10041 and 10047). Any proposed modification to an approved plan must be submitted to the Section and approved prior to implementation.
22. The permittee must obtain approval from the Section for the modification of any groundwater or landfill gas monitoring well. Design, construction, abandonment, surveying, and well plate identification of groundwater and landfill gas monitoring wells must be implemented in accordance with the conditions in Attachment 2, Geologic, Water Quality, and Landfill Gas Monitoring Requirements.
23. Groundwater monitoring wells and surface water sampling locations must be sampled at least semi-annually in accordance with 15A NCAC 13B .0544, the approved water quality monitoring plan, and the current policies and guidelines of the Section in effect at the time of sampling. In accordance with 15A NCAC 13B .0544(d), landfill gas monitoring must be conducted quarterly, unless otherwise specified by the Section.
24. Monitoring reports of the analytical results for surface water and groundwater monitoring sampling events must be submitted to the Section within 120 days of the sample collection date. Analytical laboratory data must be submitted in electronic portable document format (pdf) and in a spreadsheet format in an Electronic Data Deliverable (EDD) Template. All monitoring reports must contain:
 - a. a potentiometric surface map for the current sampling event,
 - b. analytical laboratory reports and summary tables,
 - c. a completed Solid Waste Environment Monitoring Data Form, and
 - d. laboratory data submitted in accordance with the EDD Template.
25. A readily accessible unobstructed path must be maintained so that groundwater and landfill gas monitoring wells and surface water sampling locations are accessible using four-wheel drive vehicles.
26. Documentation of well completion, development details, repair, abandonment, and all other pertinent activities associated with each groundwater and landfill gas monitoring well must be maintained in the facility operating record. The permittee must maintain a record of all groundwater, surface water, and landfill gas monitoring events and analytical data in the operating record.
27. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.

28. All landfill gas monitoring events must be conducted by properly trained personnel and must include monitoring for all explosive gases, including hydrogen sulfide. Landfill gas monitoring must include interior monitoring of onsite buildings.
29. Landfill gas monitoring results must be recorded on forms provided by the Section and be maintained in the facility's operating record.

REPORTING AND RECORDKEEPING

30. Copies of this permit, the approved plans, and all records required to be maintained by the permittee must be maintained at the facility and made available to the Section upon request during normal business hours.
31. The owner or operator must maintain records of the following. Scales must be used to weigh the amount of waste received. The daily reports are to be summarized into a monthly report for use in the required annual reports.
 - a. The amount of all accepted solid waste materials as (i) C&D wastes, (ii) material used as alternate periodic cover, and (iii) recyclable material.
 - b. Daily records of waste received, and origins of the loads.
32. On or before August 1 annually, the Permittee must submit an annual facility report to the Section, on forms prescribed by the Section.
 - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual facility report must list the amount of waste received in tons and be compiled:
 - i) On a monthly basis.
 - ii) By county, city or transfer station of origin.
 - iii) By specific waste type.
 - iv) By disposal location within the facility.
 - v) By diversion to alternative management facilities.
 - c. A measurement of volume utilized in the landfill cells must be performed during the second quarter of the calendar year. The date and volumes, in cubic yards, must be included in the report.

- d. The amount of waste, in tons from scale records, disposed in landfill cells from October 1, 2003 through the date of the annual volume survey must be included in the report.
- e. The tons of C&D waste recycled, recovered or diverted from disposal including a description of how and where the material was ultimately managed, as applicable, must be included in the report.
- f. The completed report must be forwarded to the Regional Environmental Senior Specialist for the facility by the date due on the prescribed annual facility report form.
- g. A copy of the completed report must be forwarded to each county manager for each county from which waste was received the facility. Documentation that a copy of the report has been forwarded to the county managers must be sent to the Regional Environmental Senior Specialist by the date due on the prescribed annual facility report form.

**PART III: MISCELLANEOUS SOLID WASTE MANAGEMENT CONDITIONS,
(SPECIFY)**

- 33. The reclamation pad operation as shown on the application drawings is not approved for construction or operation.
- 34. The wood waste/land clearing debris storage and processing operation as shown in the application text and on drawings is not approved for operation at this time.

- End of Permit Conditions -

I do hereby certify that the attached PERMIT TO CONSTRUCT AND OPERATE is an exact and true original of PERMIT NUMBER 9231-CDLF-2012 for the MATERIAL RECOVERY C&D LANDFILL.

Patricia M. Backus
Patricia M. Backus, P.E.
Environmental Engineer
Permitting Branch
Solid Waste Section
Division of Waste Management

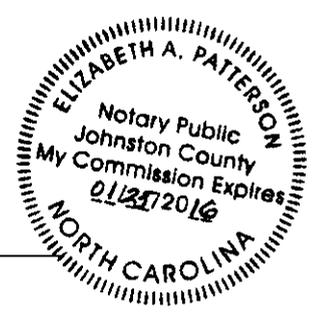
STATE OF NORTH CAROLINA
COUNTY OF WAKE

I, ELIZABETH A. PATTERSON, a Notary Public for ~~said~~ JOHNSTON County and State, do hereby certify that PATRICIA M. BACKUS personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal,
this the 22ND day of OCTOBER, 20 12.

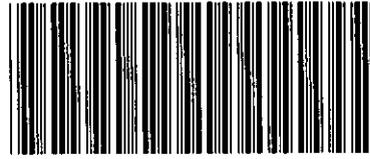
OFFICIAL SEAL

Elizabeth A. Patterson
Notary Public



My commission expires: JANUARY 25, 20 16.

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.



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**Yellow probate sheet is a vital part of your recorded document.
Please retain with original document and submit for rerecording.**



**Wake County Register of Deeds
Laura M. Riddick
Register of Deeds**

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