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

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

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

MUNICIPAL SOLID WASTE FACILITY
PERMIT NO. 5203-CDLF-2013

GREEN RECYCLING SOLUTIONS, LLC,
IS HEREBY ISSUED A

PERMIT TO CONSTRUCT
THE MAYSVILLE CONSTRUCTION AND DEMOLITION LANDFILL
PHASE 1

PERMIT TO OPERATE
NOT ISSUED UNTIL
PERMIT TO CONSTRUCT PHASE 1
CONDITIONS ARE ACCOMPLISHED

located at 11710 NC Highway 17 near White Oak River Road in Maysville, Jones 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 found in the approved application.

Digitally signed by Edward F. Mussler III, P.E.
DN: cn=Edward F. Mussler III, P.E., o=NCDWM, ou=Solid Waste Section, email=ed.mussler@ncdenr.gov, c=US
Date: 2014.01.17 10:33:41 -05'00'

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

ATTACHMENT 1

PART I PERMITTING HISTORY

Permit Type	Date Issued
Permit to Construct	January 17, 2014
Permit to Operate	*Not effective until Permit to Construct Phase 1 conditions are accomplished*

PART II LIST OF DOCUMENTS FOR THE APPROVED FACILITY PLAN

1. *Application for Permit to Construct Maysville Construction and Demolition Debris (C&D) Landfill Phase I*. Submitted by: ERM NC, Inc., 8000 Corporate Center Drive, Suite 200, Charlotte NC 28226. June 2013, Revised October 1, 2013. [DIN 20046]

PART III PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Sampson County NC Register of Deeds					
Deed Book	**Page No.**	**Grantor**	**Grantee**	**Parcel Identification No. Tract Description /**	**Acreage**
351	256	Woodrow F. and Joyce P. Lassitter	Green Co Land, LLC	*542354781100 Tract 1* *542353376600 Tract 2* *542373320500 Tract 3* *542361079600 Tract 4*	112.81 5.00 26.86 10.00
				Total	154.67

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.

   a. The Permit to Construct new Phase 1 shall expire January 17, 2019. The Permit to Construct must be implemented in accordance with Attachment 2 of this permit.
   b. The Permit to Operate new Phase 1 shall not be issued until the Permit to Construct Phase 1 conditions are documented as required in 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 unless the certified copy of this permit is filed 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 Division of Waste Management within 30 (thirty) calendar days. If the Section does not receive the certified copy of the recorded permit within 30 calendar days of issuance of the permit, 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 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.

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. Construction of any solid waste management facility requires written approval of the Section. Application for Permit to Construct must be prepared in accordance with applicable statutes and rules in effect on that date and will be subject to a permitting fee

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 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 re-apply 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. 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 ten (10) days prior to the meeting.

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

5. At the time of issuance of this permit, Permits to Construct have only been issued for C&D Landfill Phase 1.

6. The following conditions must be met prior to operation of Phase 1:

   a. All Construction Quality Assurance certifications and documentation in accordance with 15A NCAC 13B .0541 must be submitted to the Division for review and approval.

   b. Financial assurance instruments in the approved amounts for closure, post-closure and potential corrective action are filed with the Division in accordance with 15A NCAC 13B .0546 and N.C. General Statute 130A-295.2.

   c. The edge of the waste footprint must be identified with permanent physical markers, for both existing units and the new unit.

   d. 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.

   e. The Permittee is in possession of a Permit to Operate issued by the Division.

7. Prior to construction of any additional landfill phases, a Permit to Construct application must be submitted for approval to the Division. The application must comply with applicable statutes and rules in effect on that date and will be subject to a permitting fee.

8. Pursuant to Rule 15A NCAC 13B .0542(i)(2), the burning of land-clearing debris generated on-site as a result of construction activities requires approval by the Division, the NC Division of Air Quality and the local fire department prior to burning.

Geologic, Water Quality, and Landfill Gas Monitoring Requirements

9. 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."

10. 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.

11. A Licensed Geologist or Professional Engineer 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.

12. 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).

13. Any modification to the approved water quality monitoring, sampling, landfill gas, and analysis plan must be submitted to the Section Hydrogeologist for review.

14. Groundwater and landfill gas monitoring well construction and abandonment must meet the requirements of 15A NCAC 02C.

15. 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 Division. 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.

16. 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 Division. Form GW-30 must be used for both groundwater and landfill gas wells.

17. All forms, reports, maps, plans, and data submitted to the Division must include an electronic Portable Document Format (or .pdf) copy.

Erosion and Sedimentation Control Requirements

18. 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.

19. 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.

20. 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 the existing Phase 1 disposal areas expires DRAFT. Pursuant to 15A NCAC 13B .0201(g), no later than DRAFT, the permittee must submit to the Division a permit amendment application prepared in accordance with 15A NCAC 13B .0535 (b).

2. When the conditions contained in Attachment 2 of this permit are documented, the Permit to Operate would approve the operation of the newly constructed Phase 1 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 Division 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.

Operational Area	Acreage	Cubic Yards	Status
Phase 1	4.09	96,462	This Permit Action
Phase 2	2.11	128,030	Approved for future development. Requires applications for PTC and PTO.
Phase 3	3.63	131,539	
Phase 4	3.12	111,807	
Phase 5	2.32	81,116	
Phase 6	1.25	53,148	
Totals	**16.52**	**602,102**	

4. 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).

5. 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).

6. 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.

7. Wastewater treatment sludge is not approved for disposal. Wastewater treatment sludge may be accepted, with the approval of the Division, 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.

8. The disposal facility is approved to accept approximately 60 tons of C&D waste per day, approximately 285 working days per year with a maximum variance in accordance with GS 130A-294(b1)(1).

9. This facility is permitted to receive construction and demolition wastes generated in the counties of Jones, Craven, Carteret, Onslow, Duplin and Lenoir.

10. 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.

11. Financial assurance instruments in the approved amounts for closure, post-closure and potential corrective action must remain in force during the operation of this site in accordance with 15A NCAC 13B .0546 and N.C. General Statute 130A-295.2.

    a. Green Recycling Solutions, LLC, must submit to the Division for review and approval any subsequent changes in the instrument or the provider of financial assurance at least one-hundred-twenty (120) days prior to any requested change.
    b. Subsequent adjustments to the financial assurance amounts must be submitted to the Division for review and approval prior to implementation of any change.
    c. The financial assurance instrument must be renewed annually with verification submitted to the Division by 15 August of each year.

12. 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.

13. 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.

14. Alternative daily cover materials and methods must be used in accordance with the approved plans and Solid Waste Section guidelines.

a. Any alternative daily cover materials or methods not previously approved by the Section require review and approval before use. In those cases, a request for use must include a plan detailing the comprehensive use and a demonstration of the effectiveness of the alternative daily cover. The plan must be developed according to Section guidelines. Plans approved by the Section will be incorporated into and made a part of the approved documents listed in Attachment 1.
b. The facility must maintain records for all solid waste materials accepted as alternative cover material and used as alternate daily cover. The records must include: the date of receipt, weight of material, general description of the material, identity of the generator and transporter, and county of origin. Such records must be made available to the Solid Waste Section upon request.

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

16. 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.

17. 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.

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

19. 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

20. Groundwater locations must be established and monitored as identified in Attachment 1, Part IV; List of Documents for the Approved Plan.

21. A licensed geologist must be present to supervise the installation of groundwater monitoring wells. 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.

22. Groundwater monitoring wells must be sampled for the constituents in the approved monitoring plan, at least semi-annually, according to the specifications outlined in the approved water quality monitoring plan and the current policies and guidelines of the Section in effect at the time of sampling.

23. All landfill monitoring must be conducted by properly trained personnel.

    a. Reports of the analytical data for each monitoring event must be submitted to the Section within 120 days of the respective sampling event.
    b. Analytical data must be submitted in a manner prescribed by the Section.
    c. Records of all analytical data must be kept as part of the permanent facility record.
    d. Monitoring equipment must be calibrated according to the manufacturer's specifications.

24. Prior to accepting waste for disposal, one groundwater monitoring sample, which will comprise the initial baseline sampling event, must be collected from each groundwater monitoring well. Each sample must be analyzed for Appendix I constituents and the report must be submitted to the Section within six months after issuance of the Permit to Operate.

25. Untreated leachate must be sampled and analyzed at least semi-annually concurrently with the groundwater water sampling, one sample per event. The leachate must be analyzed for the same constituents that the groundwater monitoring wells are the constituents in the approved monitoring plan. Test results must be submitted to the Section along with groundwater test results. In the event leachate is recirculated, additional leachate sampling may be required.

26. A readily accessible unobstructed path must be cleared and maintained so that four-wheel vehicles may access monitoring locations at all times.

27. A log that details all development, sampling, repair and all other pertinent activities associated with each monitoring well and all sampling activities associated with each sampling location must be kept as part of the permanent facility record.

28. All well construction records and soil boring logs for new wells must be submitted to the Solid Waste Section Hydrogeologist for review within 30 days of completion.

29. The Permittee must ensure that the landfill units do not violate any applicable requirements developed under a State Implementation Plan approved or promulgated by the U.S. EPA Administrator pursuant to Section 110 of the Clean Air Act, as amended.

30. The owner must monitor landfill gas to ensure that the site meets the standards for landfill gas found in 15A NCAC 13B .0544(d). The concentration of explosive gases generated by the site must not exceed:

    a. twenty-five percent of the limit for the gases in site structures (excluding gas control or recovery system components); and
    b. the lower explosive limit for the gases at the property boundary.

31. Landfill gas monitoring must be conducted quarterly unless otherwise specified by the Section. A landfill gas monitoring guidance document is provided on the Section webpage. Any proposed modification to an approved landfill gas monitoring plan must be submitted to the Section and approved prior to implementation.

32. Landfill gas monitoring must include monitoring for hydrogen sulfide. Landfill gas monitoring must include interior monitoring of onsite buildings. Verification of the calibration of the landfill gas monitoring equipment is required.

Reporting and Recordkeeping

33. 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 Division upon request during normal business hours.

34. 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 C&D wastes.

    b. Daily records of waste received and origins of the loads.

35. 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 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.

    e. 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.

- End of Permit Conditions -