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

SCRAP TIRE MONOFILL FACILITY
PERMIT NO. 4304-TIRELF-1992

CENTRAL CAROLINA HOLDINGS, LLC (OWNER)
DBA CENTRAL CAROLINA TIRE DISPOSAL

IS HEREBY ISSUED A

PERMIT TO CONSTRUCT

PERMIT TO OPERATE

SCRAP TIRE DISPOSAL MONOFILL FACILITY PHASE III CELL 3A AND 3B

located on S.R. 1105 at 1616 McKoy Town Road, Cameron, Harnett 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.

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: 2014.03.04 14:58:23 -05'00'

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

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ATTACHMENT 1

PART I PERMITTING HISTORY

Permit Type	Date Issued
Permit Number 43-04 Issued	March 16, 1992
Permit to Operate Cell 2	July 30, 2002
Permit to Construct Phase III Cell 3A	April 14, 2005
Permit to Operate Phase III Cell 3A	July 26, 2006
Permit to Construct Phase III Cell 3B	August 29, 2011
Permit to Operate Partially Completed Area in Phase III Cell 3B	November 17, 2011
Permit to Operate Phase III Cells 3A, 3B	March 4, 2014

PART II LIST OF ATTACHMENTS AND DOCUMENTS

Phase I and Phase II Applications

See previous permits.

Phase III Application

1. *Site Suitability application for Phase III: Central Carolina Tire Phase III Scrap Tire Monofill Landfill - Site Application*. Prepared for Central Carolina Holdings, LLC. 1616 McKoy Town Road, Cameron, North Carolina 28326. February 9, 2004, received February 23, 2004. W&R project No. 202334.01.

2. *Application for a Permit to Construct Phase III Cell 3A for Central Carolina Tire Phase III Scrap Tire Monofill Landfill for Permit 43-04* . October 22, 2004, revised March 15, 2005.

3. CQA Report for Phase III – Cell 3A dated May 9, 2006, submitted by Withers and Ravenel including drawing titled 'Central Carolina Tire Phase III Tire Monofill Landfill Finished Grades.'

4. *Application for Permit Amendment 5-Year Phase (2011 to 2016).* Prepared by: Garrett & Moore, 1258 Benson Road, Garner, NC. Dated: February 2011. [DIN 14768, 14769, 14770].

5. *Revised Water Quality Monitoring Plan*. Prepared by: Garrett & Moore, 1258 Benson Road, Garner, NC. Dated: February 2011. [inserted into DIN 14769].

6. *Partial Certification of Construction for Cell 3B*. Prepared by Garrett & Moore, 1258 Benson Road, Garner, NC. Dated: October 24, 2011. [DIN 15526].

7. Recombination Deed for 344.25 acres tract including tire monofill. Hand-delivered November 7, 2011. [DIN15550]

8. *Certification of Construction for Cell B*. Prepared by Garrett & Moore, 1258 Benson Road, Garner, NC. Dated: March 9, 2012. [DIN 20301]

PART III PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Harnett County, N.C., Register of Deeds

Book	Page	PIN	Grantor [*Recombination Deed*]	Acres
2005	537-538	9554-48-4293.000	Central Carolina Holdings, LLC.	344.25

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.

    a. Construction of future Phase III Cell 3C will require a permit amendment and shall be subject to the appropriate fees.
    b. The Permit to Operate shall expire July 26, 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 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. Pursuant to the NC Solid Waste Management Rules (Rule) 15A NCAC 13B .0201(c) and (d)(1), construction for the remaining Phase III Cell 3C of the landfill consisting of a total of approximately 9.01 acres with a projected operating capacity of 884,890 cubic yards, requires an application for the Permit to Construct.

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

3. The permittee must conduct a preconstruction meeting prior to initiating construction of any unit/cell and must notify the Section at least 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, and may constitute a permit modification and be subject to a permitting fee.

5. No rock blasting is allowed in construction without written approval of a blasting plan by the Section.

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

7. Pursuant to Rule 15A NCAC 13B .0505(10), the burning of solid waste including scrap tires is prohibited.

Geologic, Water Quality, and Landfill Gas Monitoring Requirements

8. 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.”

9. In areas where soil is to be undercut, abandoned piezometers, groundwater and landfill gas monitoring wells and borings must not be grouted to pre-grade land surface, but to the proposed base grade surface to prevent having to cut excess grout and possibly damage the wells.

10. 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.

11. 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).

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

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

14. 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.

15. 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.

16. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.

Erosion and Sedimentation Control Requirements

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.

- End of Section -

ATTACHMENT 3
CONDITIONS OF OPERATING PERMIT

PART I OPERATING CONDITIONS

1. The Permit to Operate landfill Phase III Cell 3A and 3B disposal area expires July 26, 2016. Pursuant to 15A NCAC 13B .0201(g), no later than January 28, 2016, the permittee must submit to the Section a permit amendment application prepared in accordance with 15A NCAC 13B .1108.

2. This permit approves the continued operation of Phase III Cell 3A and 3B 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.

Phase	**Acres**	**Gross Capacity** (cu yd)	**Status**
3A	11.68	260,458	PTO Issued
Partial 3B	<1.00	Not Meaningful	PTO Issued
3B	8.34	665,560	PTO Issued [This permit action]
3C	9.01	884,890	Approved for development. Phase 3C requires application for PTC.
3D	13.82	754,546	Approved for development. Phase 3D requires application for PTC. Phase 3E is a vertical expansion and does not require construction.
3E Vertical	N/a	752,671	
Total	**31.17**	**3,057,667**	

4. The landfill is permitted to operate as a "Scrap Tire Monofill" as defined in 15A NCAC 13B .1101 for the exclusive disposal of scrap tires.

5. The facility is approved to accept approximately 200 tons per day based on approximately 265 days of operation per year with a maximum variance in accordance with GS 130A-294(b1)(1) from a service area consisting of North Carolina, South Carolina, Virginia, West Virginia, Georgia and Tennessee.

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

7. The facility operator must complete an approved operator training course in compliance with North Carolina General Statute 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 landfill unit in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.

8. The permittee must actively employ a training and screening program at the facility prepared in accordance with North Carolina General Statute 130A-295.6(g) 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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 disposal 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 .0505(3), 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

14. Groundwater, surface water, and landfill gas monitoring locations as applicable must be established and monitored as identified in the approved plans. Any proposed modification to an approved plan must be submitted to the Section and approved prior to implementation.

15. 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.

16. Groundwater monitoring wells and surface water sampling locations must be sampled at least semi-annually in accordance with the approved water quality monitoring plan and the guidelines of the Section in effect at the time of sampling.

17. 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.

18. 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.

19. 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.

20. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.

21. All landfill gas monitoring events, if required, 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.

22. Landfill gas monitoring results, if required, must be recorded on forms approved by the Section and be maintained in the facility's operating record.

REPORTING AND RECORDKEEPING

23. 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.

24. The owner or operator must maintain records of the following. Scales must be used to weigh the amount of scrap tires 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) scrap tires, (ii) material used as alternate periodic cover, and (iii) recyclable material.

    b. Daily records of scrap tires received, and origins of the loads.

25. 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 scrap tires received in tons and be compiled:
        i) On a monthly basis.
        ii) By county, city or transfer station of origin.
        iii) By disposal location within the facility.
        iv) 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 scrap tires in tons from scale records disposed in landfill cells from the initial date of disposal operation through the date of the annual volume survey must be included in the report.

e. The tons of scrap tires 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 scrap tires were 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)

Not Applicable.

- End of Permit Conditions -