







Central Carolina Tire Processing  
Facility Permit No: 43-08  
Permit to Operate  
July 26, 2006  
Page 1 of 10

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor  
William G. Ross Jr., Secretary

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

**MUNICIPAL SOLID WASTE FACILITY  
PERMIT NO. 43-08**

**Central Carolina Holdings, LLC (Owner)  
dba Central Carolina Tire Disposal**  
is hereby issued a

**Permit to Operate**

A SOLID WASTE MANAGEMENT FACILITY  
Waste Tire Disposal Monofill Facility  
Phase III Cell 3A

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. The facility is located and described in the deed recorded in Book 1434 and Pages 0541-0542 and is also defined by the plat map recorded in Harnett County Courthouse as Map No. 2000-415.

Edward F. Mussler III  
CN = Edward F. Mussler III, C =  
US, O = Division of Waste  
Management, OU = Solid Waste  
Section

I have reviewed this document and  
I am approving this document  
2006.07.26 09:13:21 -04'00'

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

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## ATTACHMENT 1

### Part A Permitting History

Permit Type	Date Issued
Permit Number 43-04 Issued	March 16, 1992
Amendment No. 4 PTO Cell 2	July 30, 2002
Amendment No. 5 PTC Phase 3 Cell 3A	April 14, 2005
Amendment No. 6 PTO Phase 3 Cell 3A	July 26, 2006

### Part B List of Attachments and Documents

#### PHASE I APPLICATION

1. Soil Erosion and Sediment Control Plan Approval
2. Groundwater Monitoring System Evaluation
3. Local Government Approval
4. Property Owner Affidavit Acknowledging Legal Obligations
5. N.C. Natural Heritage Program Biological Assessment Evaluation
6. N.C. Department of Cultural Resources Archaeological Assessment Evaluation
7. County of Harnett Conditional Use Permit
8. Photocopy of Deed: Book 942, pages 505 - 506  
Photocopy of Deed: Book 923, pages 651 - 652

#### PHASE II APPLICATION

9. Land Use Permit (2 Pages) dated 6 December 1995.
10. Coordinates and Elevations for two site control points, letter dated  
a. 2 May 1995.
11. 401 Water Quality Certification letter dated 25 March 1995.
12. ACTION I.D. #1995022781 and Nationwide Permit #26, letter dated 26 June 1995.
13. Letter dated 31 July 1995 from Solid Waste Section Hydrogeologist.
14. Letter dated 20 September 1996 from Richard R. Rust, addressing the construction of segment 1 of Phase II.

### Documents

#### PHASE I APPLICATION

1. Construction Plans: Sheets 1 - 10
2. Survey Map of Tract 1 and Tract 2
3. Aerial Photograph Showing Surrounding Features Within ¼ mile of the site
4. On-Site Operations Manual
5. Geotechnical Report
6. Archaeological Survey
7. Biological Assessment

## **PHASE II APPLICATION**

8. Hydrogeologic Investigation and Groundwater Monitoring Plan for Permit Modification, dated 18 July 1995, and accompanying plan sheet 1 of 1 dated 12 June 1995.
9. Application letter for modification to Tire Monofill Permit 43-04 dated 28 November 1995.
10. Wetland survey map dated January 1995.
11. Central Carolina Tire Monofill Phase II drawings C0.1 thru C8.1.
12. Request and authorization to relocate the upgradient monitoring well, MW-1, with a new well, MW-9, by letter dated 2 April 2001 from Bobby Lutfy.
13. Permit Renewal submittal dated 27 March 2001, with calculations and as-built conditions as of year 2001.
14. Letters dated 29 August 2001, 9 November 2001, 20 March 2002, 26 July 2002 and phase drawing dated 26 July 2002 that address the areas excavated in Phase II that are prepared consistent with the approved plans and ready to receive tire shreds.

## **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 dated 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 dated October 22, 2004, revised March 15, 2005.
3. CQA Report for Phase 3 – Cell 3A dated May 9, 2006, submitted by Withers and Ravenel including drawing titled ‘Central Carolina Tire Phase 3A Tire Monofill Landfill Finished Grades.’

## CONDITIONS OF PERMIT

1. This permit is for the continued operation of Phase I, Phase II and Phase III Cell 3A areas. The permit authorizes operations for 5 years of capacity, and shall be subject to review as per 15A NCAC 13B .0201(c) on or before July 26, 2011. The permittee shall submit to the Division for review and approval an application in compliance with the rules in effect at that time by February 21, 2011, for subsequent operations.
2. When this property is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall 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.
3. This solid waste disposal site is permitted to receive scrap tires generated only from the service area comprised of the State of North Carolina consistent with the franchise issued by the Harnett County Board of Commissioners dated August 5, 2002.
  - a. The disposal capacity for Phase II and Phase III Cell 3A is approximately 653,760 cubic yards or approximately 261,504 tons (page 1-5, section 1.4.2.2 5 - Year Phases), consistent with the contours shown on Sheet No. 4 (Phase 3B Base Grades and Phase 3A Tire Fill Grades) and Sheet No. 9 (Landfill Sections) in the construction application.
  - b. The capacity is based on calculations in the proposed construction plan with a maximum variance in accordance with GS 130A-294(b1)(1)
4. All maintenance and closure activity as required under the applicable North Carolina Solid Waste Management Rules shall be the responsibility of Central Carolina Holdings, LLC, the owner and permittee of record.
5. The operation and maintenance of the tire disposal facility is subject to all pertinent North Carolina Solid Waste Management Rules in effect at the time of operation including the requirements of 15A NCAC 13B .1108 Scrap Tire Disposal Site Permit and Operational Requirements.
6. Financial responsibility shall be provided in accordance with the financial responsibility rules for landfills adopted pursuant to G.S. 130A-294(b) and 130A-309.27.
7. This permit is not transferable.

## CONSTRUCTION AND OPERATION PLANS

8. This permit is for the operation of a waste tire disposal facility in accordance with the approved plans dated March 1, 1996 for Phase I, and plan sheet 1 of 1 dated March 13, 2001, for Phase II and for the operation of the Phase III Cell 3A landfill unit in accordance with Sheet No. 3 titled 'Phase 3a Site Grading and Erosion and Sedimentation Control Plan,' dated March 15, 2005.

9. Additional conditions and revisions of the approved plans shall be submitted to the Division of Waste Management Solid Waste Branch for review and approval before construction or implementation of any proposed changes in configuration or operation.
10. The following requirements shall be met prior to receiving scrap tires at the site in the completed Phase III Cell 3A area:
  - a. Site preparation shall be in accordance with the construction plan and the conditions specified herein and construction of the remaining undisturbed footprint of Phase III Cell 3A shall be certified by the Design Engineer to be constructed in accordance with the approved plans and certification submitted to the Solid Waste Section.
  - b. The permit holder shall arrange for a site inspection by a representative of DENR.
  - c. All monitoring wells required for Phase III Cell 3A shall be installed and sampled prior to waste being accepted.
  - d. For each monitoring well installed, a well construction record shall be submitted along with the soil boring log for the well location.
  - e. Piezometer abandonment records shall be submitted with the information required in condition 10.d above.
  - f. A revised groundwater and surface water monitoring plan shall be submitted, in accordance with NCAC 13B .0600, for Phase III Cell 3A. With the revised monitoring plan, provide a site as-built drawing indicating all monitoring wells and surface water locations being samples. Also indicate the wells and piezometers that are being used for groundwater elevation monitoring only.
11. This facility shall conform to all operating procedures described in the approved plan, in accordance with Section .1108 of 15A NCAC 13B and as specified herein.
  - a. Tires shall be chopped or split, restricted to the smallest area feasible and compacted as densely as practical into cells.
  - b. Tires shall be covered twice per week with at least 6 inches of soil or other approved cover material or more frequently as necessary to maintain less than 1 acre of total uncovered area or to prevent a public health nuisance or fire hazard. Areas that are inactive for 3 months or more shall be covered with a minimum of 12 inches of soil or other approved cover material. After six months of final termination of disposal activities or a major part thereof, a minimum of 24 inches of compacted earth shall be installed over the entire area.

- c. Erosion control measures shall be practiced to minimize on-site erosion and prevent off-site siltation.
  - d. Within six months after final termination of disposal operations at the site or a major part thereof or upon revocation of a permit, the area shall be stabilized with native grasses.
  - e. Temporary seeding will be utilized as necessary to stabilize the site.
  - f. Surface water shall be diverted from operational areas and not allowed to impound over waste. All slopes shall be graded to promote run-off and minimize erosion.
  - g. A minimum separation distance of 4 feet between sliced/shredded tires and the seasonal high ground water table shall be maintained in accordance with the Section hydrogeologist letter dated July 31, 1995. Tires shall not be disposed of in water.
  - h. The intentional burning of tires is prohibited. However, equipment shall be maintained on-site to control outbreaks of accidental fires. Personnel shall be trained in the operation of the fire suppression equipment, in techniques to manage tire fires, and procedures to follow in the case of a fire.
  - i. Fires that occur at the tire monofill shall be reported to the Division within 24 hours and a written notification shall be submitted within 15 days.
  - j. All pertinent tire monofill operating personnel shall receive training and supervision necessary to properly operate this monofill.
  - k. The site shall be adequately secured by means of gates, chains, berms, fences, and other security measures approved by the Division to prevent unauthorized entry. A trained operator shall be on duty at all times while the facility is open to ensure compliance with operational requirements.
  - l. Measures shall be taken to minimize dust problems, control noise, and to operate in such a manner as not to create a nuisance or a potential public health hazard.
12. A closure and post-closure plan shall be submitted for approval upon commencement of the final lift.
- a. The plan must include all steps and measures necessary to close and maintain the facility in accordance with all rules in effect at that time.
  - b. Final cover for the tire monofill shall utilize low permeability soils to minimize surface water infiltration and maintenance.

- c. The final cover soils should be stockpiled at an approved location for later application as final cover.
  - d. The closure plan shall also include existing contours, proposed final contours, estimated date of closure, and maintenance requirements.
13. All sedimentation and erosion control activities shall be conducted in accordance with the Sedimentation Control Act (15A NCAC 4) and with the approval of the Land Quality Section.

### **MONITORING AND REPORTING REQUIREMENTS**

14. The Groundwater monitoring wells and monitoring requirements are listed below.
- a. Monitoring well design and construction shall conform to the specifications outlined in "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities.
  - b. Before the initial disposal of waste material in Phase III Cell 3A, the following groundwater monitoring wells shall be installed and included in the monitoring plan:
    - i. WRB-20 converted to MW-17;
    - ii. MW-16 (to be located midway between WRB-1 and WRB-2)
    - iii. MW-18 (to be located approximately 50'-70' northwest of WRB-7)
    - iv. MW-10 (background)
    - v. MW-11, MW-16, MW-17, MW-18
    - vi. MW-12 (water level measurement only)
    - vii. MW-13 (water level measurement only)
    - viii. MW-21 (water level measurement only)
    - ix. WRB-8S/8D (water level measurement only)
  - c. For each monitoring well constructed, a well completion record shall be submitted to DWM within 30 days upon completion.
  - d. Groundwater monitoring wells shall be constructed and sampled prior to the acceptance of tires at the facility.
  - e. Sampling equipment, parameters, and procedures shall conform to specifications outlined in "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities" or the current guidelines established by DWM at the time of sampling.
  - f. The permittee shall sample the monitoring wells semi-annually.
  - g. A readily accessible unobstructed path shall be initially cleared and maintained so that four-wheel drive vehicles may access the monitoring wells at all times.

- h. The monitoring plan shall be modified as required by the Solid Waste Section Hydrogeologist.
  - i. Monitoring for Phase III Cell 3A shall be in accordance with the Design Hydrogeologic Report dated 22 October 2004, revised 15 March 2005.
  - j. Wells and piezometers shall be abandoned in accordance with Well Construction Standards NCAC 2C, Section .0113, except those wells/piezometers located within a landfill footprint shall be overdrilled and grouted to the proposed subgrade elevation. The following wells/piezometers are to be abandoned:
    - i. WRB-4S/4D
    - ii. WRB-5
    - iii. WRB-7
    - iv. WRB-17
    - v. WRB-19
15. Downstream surface water monitoring location, SW-1, shall be located as illustrated in the approved plan, as shown on Figure No. 6 in Design Hydrogeologic Report dated 22 October 2004. Sampling equipment, parameters, and procedures shall conform to specifications outlined in "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities." Sampling frequency shall be semi-annually, as stated in Condition 14.f of this section.
16. The permittee shall maintain a record containing documentation of all monitoring events and analytical data on site. The permittee shall also submit analytical data for sampling events to the Division of Solid Waste Management within 45 days of the sampling event.
17. The permittee shall maintain a record of the amount of scrap tires received at the facility compiled on a monthly basis. Landfill scales shall be used to determine the amount of waste received.
18. On or before 1 August 2002 (or at an earlier date as requested by the Division of Solid Waste Management), and each year thereafter, the permittee shall report the amount of scrap tires (in tons) received at this facility and disposed of in the landfills to the Solid Waste Section on forms prescribed by the Section and to Harnett County. This report shall include the following information:
  - a. The reporting period shall be for the previous year, beginning July 1 and ending June 30;
  - b. The amount of waste received and landfilled in tons compiled on a monthly basis, according to Condition 16.
19. All records shall be maintained on-site and made available to the DWM upon request during normal business hours.

20. Solid Waste Rule Section .1102(b)(2) requires an annual fee of \$250.00 be paid to the Solid Waste Section; Division of Waste Management, on or before July 1 of each year for a scrap tire disposal site. Please mail payment to:

Ms. Amy Annechino  
1646 Mail Service Center  
Raleigh, N.C. 27699-1646.  
(919) 733-0692 EXT: 251

*- End of Permit Conditions -*

May 9, 2006

Mr. Edward F. Mussler III, P.E.  
Solid Waste Section  
Division of Waste Management  
North Carolina Department of Environment and Natural Resources  
401 Oberlin Road  
Suite 150  
Raleigh, North Carolina 27605-1350



Re: CQA Report for Phase 3 – Cell 3A of the  
Central Carolina Tire Monofill Landfill Construction Project  
Harnett County, North Carolina

Dear Mr. Mussler:

The purpose of this letter is to transmit documentation certifying the construction of the Phase 3 – Cell 3A base grades of the Central Carolina Tire Monofill Landfill Construction Project. As you may recall, Central Carolina Tire Monofill Landfill received a Permit to Construct (Permit No. 43-04) on April 14, 2005. The intent of this correspondence is to obtain a Permit to Operate for continued operations in the Phase I and II areas and the commencement of operations in the Phase 3 – Cell 3A area of the facility for an additional 5 years.

Copies of the as-built survey are attached for your review. Based on my review of the enclosed surveys and on our observations made at the site, it is my opinion that the base grade construction was performed in general accordance with the Permit to Construct dated April 14, 2005. This assessment provides no warranties, implied or otherwise, of the materials used in the construction of the landfill.



May 9, 2006

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Please contact us if you have any questions.

Sincerely,

**WITHERS & RAVENEL, INC.**

A handwritten signature in black ink, appearing to read 'V. Moore', with a stylized flourish at the end.

Vance F. Moore, P.E.  
North Carolina Professional Engineer  
License No. 19796

**Attachments**

- 1) As-Built Central Carolina Tire Phase 3A Tire Monofill Landfill Finished Grades

