

Permit No.	Date	DIN
43-04	May 2, 2014	20918

OPERATION PLAN

CENTRAL CAROLINA TIRE MONOFILL PHASE 3A AND 3B

PERMIT NO. 43-04

MARCH 2014

Prepared for:

**Central Carolina Holdings
1616 McKoy Town Road
Cameron, North Carolina 28326**



CONTENTS

1.0 Purpose and Background 1

1.1 Plan and Permit Requirements 1

1.2 Spreading and Compacting of Waste 1

1.3 Cover Material Requirements 1

1.4 Erosion Control Requirements 2

1.5 Drainage Control Requirements 2

1.6 Vegetation Requirements 2

1.7 Water Protection Requirements 3

1.8 Access and Security Requirements 3

1.9 Signs Requirements 3

1.10 Safety Requirements 4

1.11 Waste Acceptance and Disposal Requirements 4

1.12 Miscellaneous Requirements 5

1.0 Purpose and Background

The Operations Plan has been prepared in accordance with the North Carolina Solid Waste Rule 15A NCAC 13B .0505.

1.1 Plan and Permit Requirements

In accordance with 15A NCAC 13B .0505(1)(a) and .0505(1)(b), construction plans shall be approved and followed and specified monitoring and reporting requirements shall be met.

Construction Plans and specified monitoring plans are included in other sections of this Application.

1.2 Spreading and Compacting of Waste

In accordance with 15A NCAC 13B .0505(2)(a), operators shall restrict solid waste within the tire monofill landfill to the smallest area feasible. The working face is defined as the area where waste is unloaded, inspected, spread, compacted, and ultimately covered with cover material. The working face shall be wide enough to prevent a backlog of vehicles waiting to unload and to allow adequate working space for landfill equipment. At a maximum, the width of the working face shall not exceed 200 feet.

In accordance with 15A NCAC 13B .0505(2)(b), solid waste shall be compacted as densely as practical into cells. After solid waste is discharged from vehicles, it shall be inspected for unacceptable items and subsequently spread on the working face not steeper than four feet horizontal to one foot vertical in layers not to exceed two-foot thickness. All areas of each layer shall be compacted by at least four passes of a compactor in order to achieve an average waste density of approximately 900 lb/cubic yard.

1.3 Cover Material Requirements

In accordance with 15A NCAC 13B .0505(3)(a), solid waste shall be covered twice per week with a compacted layer of at least six inches of suitable soil cover to control disease vectors, fires, odors, blowing litter, and scavenging. The daily cover must:

- be capable of covering solid waste after it is placed without change in its properties and without regard to weather;
- be capable of allowing loaded vehicles to successfully maneuver over it after placement;
- be noncombustible; and,
- not include rock fragments that are greater than six inches in diameter.

Only suitable soil will be used as daily cover; alternative cover material is not proposed at this time.

In accordance with 15A NCAC 13B .0505(3)(b), areas which will not have additional waste placed on them for 3 months or more, but where final termination of waste disposal has not

occurred, shall be covered with a minimum of one foot of intermediate cover. The composition standards of the intermediate cover shall be the same as for daily cover in addition to being capable of supporting the germination of vegetative cover.

In accordance with 15A NCAC 13B .0505(3)(c), after six months of final termination of disposal operations at the site or a major part thereof, or upon revocation of a permit, the area shall be covered with at least two feet of suitable compacted earth.

1.4 Erosion Control Requirements

In accordance with 15A NCAC 13B .0505(4)(a), adequate erosion control measures shall be practiced to prevent silt from leaving the site. Sediment laden runoff shall be diverted to sedimentation ponds as shown on the drawings.

In accordance with 15A NCAC 13B .0505(4)(b), adequate erosion control measures shall be practiced to prevent excessive on-site erosion. Erosion control measures shall include:

Disturbing as little area as practical at any one time for landfilling operations.

Seeding/ Mulching of all disturbed areas commencing as soon as practically possible. Employing erosion netting or sod on steep slopes and other erosion prone areas.

Use of earthen berms, hay bales, silt fences, mat lining, riprap or equivalent devices down-gradient of disturbed areas, stockpiles, around drainage pipes inlets and outlets and at intervals along grassed waterways, until such time as permanent vegetation is established.

Placement of riprap at the outlets of storm water piping sedimentation pond discharge pipes.

1.5 Drainage Control Requirements

In accordance with 15A NCAC 13B .0505(5)(a), surface water shall be diverted from the operational area. To divert surface runoff away from the working face, temporary diversion berms shall be installed upgradient from the working face. The soil cover in the areas beyond the diversion berms shall be uniformly graded and compacted to prevent the formation of erosion channels. In the event that channels do form, the cover shall be promptly repaired.

In accordance with 15A NCAC 13B .0505(5)(b), surface water shall not be impounded over or in waste. The area between the temporary berm and the working face should be limited to one acre to prevent excessive ponding.

In accordance with 15A NCAC 13B .0505(5)(c), completed areas shall be adequately sloped to allow surface water runoff in a controlled manner. All solid fill areas will be sloped 1% to 5% to allow surface water runoff in a controlled manner.

1.6 Vegetation Requirements

In accordance with 15A NCAC 13B .0505(6)(a), 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.

In accordance with 15A NCAC 13B .0505(6)(b), temporary seeding will be used as necessary to stabilize the site. Specification for temporary seeding are included on the Written Plan.

1.7 Water Protection Requirements

In accordance with 15A NCAC 13B .0505(7)(a), the separation distance of four feet between waste and water table shall be maintained. The Phase 3A and 3b subgrade was constructed in accordance with approved construction plans. No additional subgrade construction is requested for the application.

In accordance with 15A NCAC 13B .0505(7)(b), solid waste shall not be disposed of in water. The Phase 3A and 3b Area will be operated in a manner to prevent ponding of water within the fill operations.

In accordance with 15A NCAC 13B .0505(7)(c), Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters. Leachate collection is not required at scrap tire disposal facilities.

1.8 Access and Security Requirements

In accordance with 15A NCAC 13B .0505(8)(a), the landfill must be adequately secured by means of gates, chains, berms, fences, and other security measures approved by the Division of Solid Waste Management, to prevent unauthorized entry. Unauthorized vehicle access to the site is to be prevented by a locked gate when the landfill is closed.

In accordance with 15A NCAC 13B .0505(8)(b), an attendant shall be on duty at the site at all times while it is open for public use to ensure compliance with operational requirements. A full-time attendant will be located on site during operating hours. The attendant will verify compliance with operation requirements.

In accordance with 15A NCAC 13B .0505(8)(c), the access road to the site shall be of all-weather construction and maintained in good condition. The access road will be maintained as necessary to maintain all-weather conditions.

In accordance with 15A NCAC 13B .0505(8)(d), dust control measures shall be implemented where necessary. Minimum dust control will include a water truck for wetting of dusty roads.

1.9 Signs Requirements

In accordance with 15A NCAC 13B .0505(9)(a), a sign providing information on dumping procedures, the hours during which the site is open for public use, the permit number and

other pertinent information shall be posted at the site entrance. Signs including the required information will be posted at the site entrance.

In accordance with 15A NCAC 13B .0505(9)(b), signs shall be clearly posted stating that no hazardous, municipal, yard waste, or liquid waste can be received. Signs including the required information will be posted at the site entrance.

In accordance with 15A NCAC 13B .0505(9)(c), traffic signs or markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge area to maintain efficient operating conditions. Signs including the required information will be posted at the site as necessary.

1.10 Safety Requirements

In accordance with 15A NCAC 13B .0505(10)(a), open burning of solid waste is prohibited. No open burning of solid waste will occur at the site.

In accordance with 15A NCAC 13B .0505(10)(b), equipment shall be provided to control accidental fires or arrangements shall be made with the local fire protection agency to immediately provide fire-fighting services when needed. On-site earth moving equipment is available for the use of controlling accidental fires. The local fire protection agency is available and will be contacted to control accidental fires.

In accordance with 15A NCAC 13B .0505(10)(c), all fires that occur shall be reported to the Division of Solid Waste Management within 24 hours and a written notification shall be submitted within 15 days. All reports and notifications will be made should a fire occur.

In accordance with 15A NCAC 13B .0505(10)(d), the removal of solid waste from the landfill is prohibited unless the owner/ operator approves the removal and it is not performed on the working face. The removal of solid waste from the landfill is not anticipated at the facility.

In accordance with 15A NCAC 13B .0505(10)(e), Barrels and drums shall not be disposed of unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein. The facility intends to only dispose scrap tires in the monofill. Therefore, barrels and drums shall not be disposed of in the monofill.

1.11 Waste Acceptance and Disposal Requirements

In accordance with 15A NCAC 13B .0505(11)(a), the landfill shall only accept those solid wastes which it is permitted to receive. The landfill operator shall notify the Division of Solid Waste Management within 24 hours of attempted disposal of any waste the landfill is not permitted to receive, including waste from outside the area the landfill is permitted to serve. The facility shall only dispose of scrap tires.

In accordance with 15A NCAC 13B .0505(11)(b), no hazardous or liquid waste shall be accepted or disposed of in a sanitary landfill. The facility shall only dispose of scrap tires and no hazardous or liquid waste shall be accepted or disposed.

In accordance with 15A NCAC 13B .0505(11)(c), Spoiled foods, animal carcasses, abattoir waste, hatchery waste, and other animal waste delivered to the disposal site shall be covered immediately. The facility shall only dispose of scrap tires and spoiled foods, animal carcasses, abattoir waste, hatchery waste, and other animal waste will not be accepted or disposed.

In accordance with 15A NCAC 13B .0505(11)(d), Asbestos waste that is packaged in accordance with 40 CFR 61, which is adopted by reference in accordance with G.S. 150B-14(c), may be disposed of separate and apart from other solid wastes at the bottom of the working face or in an area not contiguous with other disposal areas, in either case, in virgin soil. Separate areas shall be clearly marked so that asbestos is not exposed by future land-disturbing activities. The waste shall be covered immediately with soil in a manner that will not cause airborne conditions. Copies of 40 CFR 61 may be obtained and inspected at the Division. The facility shall only dispose of scrap tires and no asbestos waste shall be accepted or disposed.

In accordance with 15A NCAC 13B .0505(11)(e), wastewater treatment sludges may only be used as a soil conditioner and incorporated into the final two feet of cover. Sludges shall be examined for acceptance by Waste Determination procedures in Rule .0103(e) of this Subchapter. Should wastewater treatment sludges be used as a soil conditioner and incorporated into the final two feet of cover, sludges shall be examined for acceptance by Waste Determination procedures in Rule .0103(e) of this Subchapter.

1.12 Miscellaneous Requirements

In accordance with 15A NCAC 13B .0505(12)(a), effective vector control measures shall be applied to control flies, rodents, and other insects or vermin when necessary. The materials that are to be disposed of in the tire monofill landfill facility will be non-petrucible and, therefore, unlikely to attract nuisance vectors. Therefore, it is not anticipated that additional vector control, other than daily cover will be required.

In accordance with 15A NCAC 13B .0505(12)(b), appropriate methods such as fencing and diking shall be provided within the area to confine solid waste subject to be blown by the wind. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator. The material to be disposed of in the tire monofill landfill facility is unlikely to be of the size and weight to be windblown; therefore, it is not anticipated that means of controlling windblown material will be required.

