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Backus	02/24/2016	25662	2403T-TRANSFER-1997

REQUEST FOR PERMIT AMENDMENT

COLUMBUS COUNTY TRANSFER FACILITY

PERMIT NO. 24-03T

Columbus County Solid Waste

107 Landfill Road

Whiteville, N.C. 28472

Columbus County

Public Utilities

Telephone

910-642-5257

Fax

910-642-1041

February 22, 2016

NC DEQ, Division of Waste Management
Attention: Ms. Patricia M. Backus, P.E.
Solid Waste Section Permitting
1646 Mail Service Center
Raleigh, N.C. 27699-1646

Re: Request for Permit Renewal
Columbus County Waste Transfer Facility, Permit No. 24-03 T

Dear Ms. Backus:

On behalf of the Columbus County Solid Waste Department, Columbus County is submitting the enclosed Request for Permit Renewal for the five year renewal of the Columbus County Transfer Facility's permit to operate. Please review the enclosed permit renewal request and advise if there are any changes that need to be made. Please feel free to contact Mr. Danny Fowler or Amanda Davis if you should have any questions at 910-642-2828.

Sincerely,

Danny Fowler
Solid Waste Director
Columbus County

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1.0 GENERAL INFORMATION

The Columbus County Transfer Station is located at 107 Landfill Road, Whiteville, N.C. 28472. Please see below for the required contact information.

Applicant, Contact Person, Contract Operator, and Engineer Information:

Mr. John Caviness, Site Manager
Waste Management of Carolinas, Inc.
P.O. Box 297
Whiteville, North Carolina 28472
Phone: (910) 640-1988
Email: jcavines@wm.com

Landowner Information:

Danny Fowler, Solid Waste and Public Works Director
Columbus County
612 North Madison Street
Whiteville, North Carolina 28472
Phone: (910) 642-2828
Email: dfowler@columbusco.org

The permit fee invoices and annual fee invoices shall be sent to the following address:

Mrs. Amanda Davis, Executive Assistant
Columbus County
612 North Madison Street
Whiteville, North Carolina 28472
Phone: (910) 642-2828
Email: adavis@columbusco.org

2.0 OPERATIONS PLAN

The Operations Plan for the facility is proved as Attachment 2 of this permit amendment.

3.0 SIGNATURE PAGES

The Signature Pages for the facility are provided as Attachment 4 of this permit amendment.

ATTACHMENT 1

Operations Plan

COLUMBUS COUNTY MUNICIPAL SOLID WASTE TRANSFER STATION
Permit No. 24-03 T
WHITEVILLE, NORTH CAROLINA

OPERATIONS PLAN

Original Plan Prepared By:

Golder Associates NC, Inc.
4900 Koger Boulevard, Suite 140
Greensboro, North Carolina 27407
(336) 852-4903

Dated: September 1, 2010

Plan Revision Prepared By:

Columbus County Solid Waste
612 North Madison Street
Whiteville, North Carolina 28472
(910) 642-2828

Dated: February 12, 2016

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SECTION 1.0 – FACILITY INFORMATION

The Columbus County Transfer Station is located at 107 Landfill Road, Whiteville, N.C. 28472. The facility's operating hours are from 7:30 A.M. to 4:00 P.M. Monday through Friday. The facility generally operates year-round with the exception of the following holidays: New Year's Eve, Martin Luther King Jr.'s Birthday, Good Friday, Memorial Day, July 4th, Labor Day, Veteran's Day, Thanksgiving, and Christmas Day. The facility is secured by a gate, which is locked during non-operating hours, and a fence encompasses the property. The facility property and facility structures are owned and operated by Columbus County.

In accordance with the facility's permit, signs containing the following information are located at the facility gate: types of waste the facility accepts; types of waste prohibited; operating hours; permit number; and emergency contact phone numbers.

SECTION 2.0 – WASTE RECEIVED

The Columbus County Transfer Station receives waste from the following locations: Columbus County; Brunswick County; New Hanover County; Pender County; Bladen County; and Robeson County, North Carolina. The waste stream consists of a typical cross section of municipal solid waste (MSW) and commercial waste. It is estimated that the Columbus County Transfer Station receives approximately 125 tons per day (TPD) of solid waste. Waste from this facility is transported to the Sampson County Disposal Landfill, located in Roseboro, North Carolina.

Upon entering the facility, transfer trailers enter the scales to be weighed and the scale house attendant completes a preliminary visual inspection of the waste. Trailers containing unacceptable wastes are directed to the appropriate location. The County maintains roll off containers for the collection of white goods, scrap metal, and tires at the facility. The containers are collected by the County or their designated contractor as needed, typically at least once a month. Once the waste has been deemed acceptable, the trailers proceed to the transfer station. Once at the transfer area, the transfer trailers back into the station to unload the waste onto the tipping floor. Waste is then visually inspected and transported into trailers in the transfer station by us of heavy equipment to transfer trailers. Trailers are tarped and moved outside of the transfer station to be collected and taken to the designated landfill, typically the same day, with an average of six trailers removed each week. At the end of the day, a few trailers may remain at the facility overnight and are collected the next business day and taken to the designated facility. Transfer trailers then exit though the same scale they entered and are weighed again. A site layout is included as Attachment No. 1.

The following waste is specifically excluded from acceptance at the Columbus County Transfer Station:

1. Asbestos
2. Waste Water Treatment Plant Sludge
3. Hazardous Wastes
4. Medical Wastes

5. Yard Wastes
6. Any other waste type excluded by the Division of Waste Management through the Transfer Facility Permit.

The facility maintains daily records of the waste received including tonnages and county origin. The facility conducts at least four random vehicle inspections per month checking for unauthorized waste. A preliminary screening is conducted by the scale house attendant and additional screenings are performed in the transfer station on the tipping floor. The waste from each vehicle chosen is dumped in a manner as to separate this from the other waste stream. This load is inspected by a qualified inspector properly trained to identify and properly handle unacceptable waste. A Random Inspection Report is completed for each inspection. If unauthorized waste is found the driver is asked to retrieve the waste and a Load Rejection Documentation Form is generated. For more information regarding the procedure for unauthorized waste, please see the facility's Control Program for Unauthorized Waste (Attachment No. 2).

The staff at the facility consists of a site manager, a scale house attendant, and other operators as required to meet daily needs. Each of Waste Management's staff members has the North Carolina Solid Waste Management Association of North America (NCSWANA) certification of Transfer Station Operations Specialist. The scale house attendant is responsible for tarping loads, preliminary visual waste screening, and assisting with spot checks on the tipping floor as needed. Operators are responsible for additional visual inspections of waste, waste handling, loading, and management, and facility maintenance. Third party contractors are also utilized at the site and have appropriate training and are under the direct supervision of the site manager along with the scale house attendant.

SECTION 3.0 – WASTEWATER AND LEACHATE DISPOSAL

The transfer station consists of a 100 ft. wide x 60 ft. deep tipping floor, which includes the transfer trailer loading area. This is the only area for which solid waste comes into contact with a floor surface. This area is covered by a metal building as shown on Attachment No. 1. The only water that comes into contact with the waste outside of inherent moisture content, is the wash-down water used to keep the facility clean.

The facility uses an onsite water supply well for wash down water; four spigots are located in each of the corners of the transfer station. The tipping floor is washed down at the end of each week. The tipping floor area drains to an 18-inch diameter sump pit in an area near the center of the building. The leachate is stored in a 4,000 gallon underground storage tank located adjacent to the transfer station to the north (see Attachment No. 1). The leachate is delivered to a permitted waste treatment facility via pump and haul when the storage tank reaches approximately 70 percent of capacity (approximately every 4 to 6 weeks).

The depth of the oil/water/grit separator is 4 feet. When the depth of grit in the first chamber reaches 24 inches, the oil/water/grit separators are cleaned out. The depth is checked by a site operator at a minimum of one (1) time per week. An inspection form is included as Attachment No. 3 and completed after each inspection.

The wastewater from the scale house bathroom is treated via a septic tank and drain field, which was permitted by the local health department. Rainwater at the facility sheet flows offsite.

SECTION 4.0 – FIRE CONTROL SAFETY

The facility is located within the jurisdiction of Columbus County, North Carolina. The primary fire control policy for the facility consists of notifying the Town of Whiteville Fire Department, and waiting for their response. A secondary fire control measure consists of ¾ inch hose bibs located near the tipping floor area. The hose bibs are provided for weekly floor wash-down maintenance, but may be used to control small fires if feasible, and until the Town of Whiteville Fire Department can arrive. In addition, Underwriters Laboratory (UL) approved fire extinguishers are located in the tipping floor area and in the scale house.

Any fire which does occur at the facility will be reported to the Division of Waste Management within 24 hours from the time of the fire and a written notification shall be submitted within 15 days of the occurrence.

SECTION 5.0 – VECTOR CONTROL

The transfer facility is specifically suited for vector control since it is covered. The tipping floor and transfer station loading areas are completely contained by a metal building structure. Openings at the entrance to the tipping floor allow adequate ventilation. However, two ventilation fans are included along the western wall of the facility. The facility floors are cleaned and washed down at the end of each week. Solid waste is not stored on the tipping floor for any significant length of time, and only in an emergency situation is solid waste store on the tipping floor over-night. A loaded transfer trailer may be stored on-site during the evening hours in a trailer storage area to be located within the fenced property boundaries. Loaded trailers stored over-night have the loads covered and secured.

SECTION 6.0 – EQUIPMENT

The facility utilizes the following equipment for operations and maintenance:

1. Rubber-Tired Front End Loader
2. Power Floor Washer
3. Above Grade Scales
4. Transfer Trailers (varied sizes)
5. Hose Bibs with ¾ Inch Rubber Hose

In the event that a piece of essential equipment break down or power outage preventing the operation of the facility, the facility has a contract with a local equipment vendor to supply the necessary equipment for the facility operation.

SECTION 7.0 – WIND CONTROL

The tipping floor and transfer trailer loading areas are enclosed by a metal building, as is shown on Attachment No. 1. Waste is contained within the confines of the structure. All scattered or blown waste is collected at the end of each working day and loaded into the last transfer trailer (clean-up load) of the day.

SECTION 8.0 – SPILLS

One 275 gallon above storage tank used for non-highway diesel fuel is kept under shelter near the southwest corner of the main building. In the event of a leak or a spill, the tank has adequate secondary containment in the form of a concrete berm and two spill kits located nearby.

(End of Document)

ATTACHMENT NO. 1

SITE LAYOUT

Google Maps 107 Landfill Rd

Imagery ©2016 Google, Map data ©2016 Google 50 ft

107 Landfill Rd

Whiteville, NC 28472

ATTACHMENT NO. 2

CONTROL PROGRAM FOR UNAUTHORIZED WASTE

Control Program for Unauthorized Waste

Columbus County Transfer Station
Whiteville, North Carolina 28472

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Introduction

The purpose of this program is to aid in the exclusion of hazardous waste, PCB containing waste and non-Waste Management (WMI) approved waste (hereafter referred to as unacceptable waste) by the performance of at least four (4) random inspections of vehicles containing solid waste from commercial entities each month.

These inspections will be completed in order to maintain compliance with the following:

1. 40 CFR 258.20 (Procedures for excluding the receipt of hazardous waste);
2. Permit requirements;
3. WMI policy and procedures

Inspection Procedures

The inspection shall consist of the following:

1. Choosing a vehicle to inspect;
2. Choosing a location for the inspection;
3. Inspecting the load;
4. Determining appropriate action is unacceptable waste is discovered.

1. Choosing a Vehicle to Inspect
   On an inspection date, the supervisor/designee shall choose a commercial solid waste vehicle to inspect. The choice shall be made by the supervisor/designee (see Attachment 1).

2. Choosing a Location for the Inspection
   The supervisor/designee shall choose a location on the tipping floor for the inspection near the loading area and away from areas where interference with operations may occur.

3. Inspecting the Load
   Once the vehicle to be inspected arrives at the facility, the follow shall occur:

   - The appropriate person (i.e. checker will notify the supervisor/designee of the arrival of the vehicle to be inspected;

- The driver of the vehicle to be inspected will be directed to the area of inspection, with further instruction from the supervisor/designee with a Random Inspection Report (RIR) (see Attachment 2);

- The driver of the vehicle to be inspected will be directed to the inspection location where he/she will dump the load from the vehicle and await further instruction;

- The load shall be inspected by a qualified inspector (a qualified inspector is one that has been property trained to identify and properly handle unacceptable waste at the transfer station); the qualified inspector shall search for unacceptable waste and complete the RIR;

- If no unacceptable waste is discovered, the waste will be mixed with waste present in the transfer truck or mixed with other waste on the tipping floor prior to load, and the driver will be allowed to leave.

4. Appropriate Action for Unacceptable Waste
   If unacceptable waste is discovered in the load, the driver will be asked to retrieve the waste and a Load Rejection Documentation Form (LRF – Attachment 3) will be generated.

   A copy of the LRF will be kept on the site for inspection, and can be viewed at any given time or opportunity of management.

   The District Manager/designee will be notified of the rejection of the unacceptable waste, and the District Manager/designee will notify the appropriate agencies.

   In cases where a transporter or generator of unacceptable waste is unknown, the transfer station will be responsible for the management of said waste.

   If a determination cannot be made by the qualified inspector, whether or not the waste is acceptable, the District Manager will make that determination based on a review of paperwork and/or questioning the transporter and/or generator and/or the Environmental Manager.

Inspection Criteria

1. Vehicles to Inspect
   Front-end loaders, commercial rear-end loaders, and roll-offs are typical vehicles that will be inspected during the random inspection procedure.

2. Frequency of Inspections
   No less than four (4) random inspections will occur monthly at the Whiteville Transfer Station (TFS).

3. Inspection Dates
   At the beginning of each month, site personnel shall select four (4) calendar dates and times to do random inspections. These four (4) random inspection dates and times shall meet the following constraint:

   a. The dates selected shall be no closer than one day (1) apart and no further than ten (10) days apart;

   b. The supervisor/designee will insure that the same vehicle/driver is not inspected consecutively.

Management of Regulated Waste

In cases where the management of an unacceptable waste is required by the TFS, the TFS will follow all Federal, State, Local, Permit, and Policy requirements in the management and transportation of unacceptable waste.

Regulated waste (in this document) generally includes those wastes that are hazardous, infectious, contain PCB's, and are special wastes.

Regulated Waste Containment, Transportation, and Disposal

1. Regulated Waste Containment
   Regulated/hazardous waste (if managed by the TFS) will be contained on site in appropriately labeled containers for a period not to exceed 24 to 72 hours.

   These containers will be stored in a contained area prior to shipment for treatment and/or disposal.

2. Regulated Waste Transportation
   Regulated waste will be transported by a properly licensed waste hauler with proper insurance.

3. Regulated Waste Disposal
   Regulated waste will be treated and/or disposed of in permitted waste treatment, storage, and disposal facility.

Training and Safety

1. Training
   Training for random inspections will be conducted annually for personnel involved in the random inspection process. Training will be documented on Training Record – Unauthorized Waste (Attachment 4).

   Some of the personnel involved in the random inspection process are as follows:

   a. District Manager;
   b. Transfer Station Operator;
   c. Gate Checkers;
   d. Equipment Operators.

2. Instruction
   Each employee involved in the random inspection process shall be instructed in the recognition of unacceptable waste, unacceptable waste handling and the regulatory requirements associated with the recognition and handling of regulated waste.

3. Personal Protective Equipment (PPE)
   Personal protective equipment will be utilized by the inspector during the random inspection.

   At a minimum, the inspector shall wear the following PPE:

   a. Gloves
   b. Protective (steel toe) boots;
   c. County supplied uniform.

   Other PPE may be required depending upon the conditions of the inspection.

Unacceptable Waste Types

Below is an outline of some of the unacceptable waste types at the transfer station.

1. Regulated Waste
   A. Hazardous Waste
      i. *Reactive Waste*
         a. Reactive waste includes those wastes that react violently with air, water, or acceptable waste types.

ii. *Corrosive Waste*
   a. Corrosive waste is waste with high or low pH (I.E. 12.5 or above and 2.0 and below). Automobile batteries, lye, vinegar, and bleach are corrosive waste types.

iii. *Ignitable Waste*
   a. Ignitable waste is a waste with a low flash point and generally includes items like gasoline, lighter fluid, and butane.

iv. *Toxic Waste*
   a. Toxic waste is a waste that is basically dangerous to human health and the environment under certain circumstances. Herbicides, pesticides, lead, and barium are typical toxic wastes.

2. PCB Waste
   a. PCB waste was at one time used to cool transformers and can generally be found in old transformers.

3. CFC's
   a. CFC's (I.E. Freon) were once used as a coolant in air conditioners and refrigerators. CFC's can be found in old appliances and air conditioners.

4. Infectious Waste
   a. Waste is generally infectious if it has come into contact with human blood, fluid, or disease carrying items. Infectious waste generally comes from hospitals and clinics.

5. Radioactive Waste
   a. Radioactive waste are difficult to detect because one cannot see small radioactive waste. Radioactive waste generally comes from hospitals and some mining sites.

6. Other Unacceptable Waste Types

   A. Pressurized Containers
      i. Pressurized containers are the containers that hold items like industrial oxygen, nitrogen, and argon. These containers area acceptable as long as the valve has been removed and the container is at atmospheric pressure.

   B. Non-Approved Special Waste
      i. Soils contaminated from the spills or leaking tanks of diesel, oil and petroleum products are considered petroleum contaminated soils and need County approval prior to disposal at a County landfill.

      ii. Wastewater treatment plant sludge is an example of a waste that requires County approval prior to disposal at a County landfill.

Summary

Transfer station personnel currently check waste loads upon arrival and at the tipping floor. With the aid of this document and the continuing of the inspection procedures listed above, the Columbus County Transfer Station will continue to meet the regulations, permit requirements and policies.

ATTACHMENT 1

INSPECTION LOG

Inspection Log

Date	Time	Inspector	Transporter

ATTACHMENT 2

RANDOM INSPECTION REPORT

Random Inspection Report

Date: _____ Time In: _____ Time Out: _____

Inspector: _____ Title: _____

Transporter: _____

Truck Type: _____ Volume: _____ Truck No: _____

Waste Description: _____

Are any of the following present in the load?

	Yes	No		Yes	No
Liquids?	_____	_____	Hazardous Waste?	_____	_____
Drums?	_____	_____	Hospital Material?	_____	_____
Transformers?	_____	_____	Oily Waste?	_____	_____
Tires?	_____	_____	Batteries?	_____	_____
Sludges?	_____	_____	Other, Explain?	_____	_____

_____
_____
_____
_____

Explain any Yes answers:

_____
_____
_____
_____
_____

Actions Taken:

_____
_____
_____
_____
_____

ATTACHMENT 3

LOAD REJECTION DOCUMENTATION FORM

Load Rejection Documentation Form

Route Number/Manifest Number: _____

Shipment Arrival Date: _____

Inspector Name: _____

Hauler Name: _____

****

Discrepancy:

_____
_____
_____
_____
_____
_____
_____
_____

****

Action Taken:

_____
_____
_____
_____
_____
_____
_____
_____

Accepted Date: _____ Signature: _____

Rejected Date: _____ Signature: _____

ATTACHMENT 4

TRAINING RECORD – UNAUTHORIZED WASTE

Training Record – Unauthorized Waste

Training Date: _____ Instructor: _____

Description of training (i.e. video, subjects covered, etc.):

_____
_____
_____
_____
_____
_____
_____
_____

Employees Trained:

Print Name	Signature

ATTACHMENT 3

OIL/WATER/GRIT SEPARATOR INSPECTION FORM

Oil/Water/Grit Separator Inspection Form
Columbus County Transfer Station

Date	Depth	Initial	Comments

ATTACHMENT 4

Signature Pages

Applicant Signature Page

Name of Facility Columbus County Transfer Facility

I certify that I have read and understand this application and that the information provided is true, accurate, and complete to the best of my knowledge.

I understand that North Carolina General Statute 130A-22 provides for administrative penalties of up to fifteen thousand dollars ($15,000.00) per day per each violation of the Solid Waste Management Rules. I further understand that the Solid Waste Management Rules may be revised or amended in the future and that the facility siting and operations of this solid waste management facility will be required to comply with all such revisions or amendments.

Signature	Print Name	Date
Danny Fowler	Danny Fowler	February 22, 2016

Solid Waste Director
Title

Columbus County Solid Waste
Business or Organization Name