



Scanned By	Date	DOC ID	Permit
Backus	11/13/2010	11306	24-03T

September 14, 2010

00396852

NC DENR, Division of Waste Management
Solid Waste Section Permitting
1646 Mail Service Center
Raleigh, NC 27699-1646

Attention: Ms. Patricia M. Backus, P.E.

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

Dear Ms. Backus:

On behalf of Waste Management of Carolinas, Inc. (WM), Golder Associates NC, Inc. (Golder) is submitting the enclosed revised *Request for Permit Renewal* for the five year renewal of the Columbus County Transfer Facility's permit to operate. As you are aware, the original renewal package was submitted on April 7, 2010 and this submittal is in response to your technical review and comments provided in your August 23, 2010, correspondence and subsequent telephone conversations. After review of the enclosed information, should you have any questions, please contact either of the undersigned at (336) 852-4903.

Sincerely,

GOLDER ASSOCIATES NC, INC.

Rachel P. Kirkman, P.G.
Senior Geologist

Ron DiFrancesco, Jr.
Associate and Senior Consultant

C: File

Attachment: Revised Request for Permit Renewal



REQUEST FOR PERMIT AMENDMENT COLUMBUS COUNTY TRANSFER FACILITY

PERMIT No. 24-03T



Waste Management of Carolinas, Inc.
107 Landfill Road
Whiteville, NC 28472

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION
Date 11/23/2010 By Patricia M. Backus
Attachment 1 Part II Document 7
Permit 24-03T PERMIT DIN 11565

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1.0 GENERAL INFORMATION

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

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

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

Landowner Information:

Kip McCleary, Solid Waste and Public Works Director
Columbus County
288 Legion Drive
Whiteville, NC 28472
Phone: (910) 642-2828

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

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

2.0 OPERATIONS PLAN

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

3.0 FINANCIAL ASSURANCE

The Financial Assurance information for the facility is provided as Attachment 3 of this permit amendment.

4.0 SIGNATURE PAGES

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

ATTACHMENT 1

Application Guidance for a MSW Transfer Station

APPLICATION GUIDANCE FOR A MSW TRANSFER STATION
North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section

The completion of an application is required for the permitting of all municipal solid waste transfer stations. There are three types of permit actions for a transfer station:

A “new permit” means an application for a permit for a facility that has not been previously permitted by the Department.

A “permit amendment” means (1) an application for the five-year renewal of a permit for a permitted transfer station, or (2) an application that proposes a change in ownership or corporate structure of a permitted transfer station.

A “permit modification” means an application for a change to the plans approved in a permit for a transfer station that does not constitute a permit amendment.

A complete application for a transfer station permit shall consist of engineering drawings and other required information submitted in report format in a three ring binder. If the proposed facility consists of more than a transfer station (e.g., yard waste storage and processing), also include a complete application/notification for such facility either as an appendix or information/ documentation incorporated into the sections describing the transfer station. Tabbed pages should separate the Sections in the report.

One paper copy and one electronic copy of the application report should be submitted. The electronic copy can be sent by email, or on a CD. The engineering drawings must be included in the electronic copy.

The permit fee for a new permit is \$5,000, the permit fee for a permit amendment is \$3,000, and the permit fee for a permit modification is \$500. An invoice will be mailed to the applicant when an application is received. There is also a transfer station annual permit fee of \$750.

A Compliance Review will be required of the owner and operator of the facility, in accordance with State statutes. After the application is submitted, the owner and operator will be sent a letter requesting compliance history information and parent, subsidiary, or other affiliate information, which is required in order to complete the application.

The compliance review and financial responsibility review of the applicant will include financial qualification, to ensure that the applicant has the ability to pay for the costs of proper design, construction, operation, and maintenance of the facility.

The Solid Waste Section reserves the right to ask for additional information as determined necessary.

Applications should be sent to the following address:

NC DENR, Division of Waste Management
Solid Waste Section Permitting
1646 Mail Service Center
Raleigh, NC 27699-1646

Questions regarding an application should be directed to the Solid Waste Section, Phone 919-508-8400.

The Solid Waste Section rules can be found on the Section’s website at <http://www.wastenotnc.org/swhome/rule.asp>; and the North Carolina General Statutes concerning solid

waste are located at

http://www.ncleg.net/EnactedLegislation/Statutes/HTML/ByArticle/Chapter_130A/Article_9.html.

An application for a new permit must address all Sections as listed below, and must be prepared and sealed by a N.C. registered professional engineer.

An application for a permit amendment must address Sections 1, 3, 5, 7, and other Sections as applicable, in which any information contained in the original permit application is incomplete or has changed.

An application for a permit modification must address Sections 1, 3, 5, 7, and other Sections as applicable, in which any information contained in the original permit application has or will change due to the proposed modification.

Transfer Station Application Report Format and Contents

Letter of transmittal, which states desired Department action (including whether the request is for a new permit, permit amendment, or permit modification)

Title page

Table of Contents

Section 1 – General Information

Provide a narrative of general information for the facility, including the following:

1. Name of proposed or existing transfer station.
2. Name, address, telephone number, and email address of the applicant and contact person.
3. Name, address, telephone number, and email address of the contract operator and contact person, if applicable.
4. Name, address, telephone number, and email address of the landowner. A landowner authorization form must be signed and notarized if the property is to be leased (see attached form).
5. Name, address, telephone number, and email address of the engineer.
6. Name, address, telephone number, and email address of person to receive permit fee invoices and annual fee invoices.

Section 2 - Property information and maps

7. Describe the location of the facility. If the property was previously used for solid waste management activities, provide a description of the operation including permit information and a map with boundaries.
8. Provide the total acreage of the property and the size of the actual area to be used for the transfer and storage operation.
9. Provide a legal description of the property and a complete copy of the land deed. Also provide a copy of any available current plats or survey drawings of the property.
10. Provide a copy of the USGS topographic quadrangle map of the area. The property boundaries of the site and the approximate transfer area should be drawn onto the map. The map may be a high quality photocopy.

11. Provide a letter from the appropriate City or County official confirming that the siting of the facility will be in conformance with all zoning and local laws, regulations, and ordinances, or that no such zoning, laws, regulations, or ordinances are applicable.
12. Provide a copy of the FEMA Flood Insurance floodplains map for the area, with the site property marked on the map.
13. Provide a letter and map from the Army Corps of Engineers that addresses the wetlands determination for the property, and compliance with requirements, if applicable.

Section 3 - Operations Plan

The Operations Plan should include a narrative of the following information:

14. Description of the wastes to be accepted (e.g., municipal solid waste, commercial waste, industrial, construction debris, demolition debris).
15. Estimate in tons per day expected to be managed at the transfer station.
16. List the service area for the facility.
17. List the specific disposal facilities where the waste will be transferred. Waste must only be transported to facilities whose service area includes the generation source (i.e., the service area of the transfer station must match the service area of the disposal facilities).
18. Description of the equipment, scales, structures, tipping floor, water source for cleaning, and compactor and hopper. If wastes will be unloaded on a tipping floor, the operation must be covered in a building. Rain water that has come in contact with wastes must be collected and disposed as leachate.
19. Describe site security and access control. Access roads must be of all weather construction. Also describe hours of operation.
20. Description of signs to be posted at the entrance and within the site to direct traffic. Signs must provide a description of the types of waste received, the types of waste prohibited, operating hours, permit number, and emergency contact phone numbers.
21. Personnel requirements, qualifications, responsibilities. The plan must indicate that a trained employee must be onsite at all times the site is open, overseeing the loading and unloading of waste.
22. A narrative description of the operation from the truck arriving at the site, through all steps of the transfer station operation, to the point of waste removal. Describe traffic flow and procedures for loading and unloading of waste.
23. If the facility will take both MSW waste and C&D waste to be loaded for transport separately, describe recordkeeping of the type of the load at the scalehouse. Describe how the site operators and truck drivers will ensure that each waste load is unloaded at the correct area (e.g., commercial waste must be unloaded at the area for transfer to a MSW landfill, not for transfer to a C&D landfill).
24. Describe method for screening loads for unacceptable waste.
25. Describe surface water control features, including run-on and run-off.
26. Describe the collection, storage, and disposal of leachate, wash water, and contaminated rainfall runoff. Runoff from the tipping floor area and waste/recyclable storage areas should be collected and treated as leachate. Leachate must be either collected in a holding tank, pumped

as needed, with disposal at a wastewater treatment plant, or leachate may flow directly to a sanitary sewer system with disposal at a wastewater treatment plant.

27. Plan for cleaning and washing down the tipping floor on a daily basis. Plan for maintaining facility property in a sanitary condition and actions to be taken to minimize noise, vectors, and odors. The tipping floor should be clear of waste at the end of each operating day.
28. Plan for litter and dust control. Procedures to prevent blowing litter from leaving the onsite management areas and from leaving the property.
29. Description of any special waste handling (waste tires, white goods, yard waste, recyclables, etc.). Description of any processing of waste. If wood waste and/or yard waste is to be processed onsite into mulch, provide documentation of compliance with state rules for compost facilities, 15A NCAC 13B .1401 et seq.
30. Plan for fire prevention and actions to be taken in the event of an accidental fire.
31. Describe recordkeeping (daily records of amounts by weight received by County of origin, waste screening, inspection records, training, permit, operation plan, and site drawings).
32. Contingency plans for equipment breakdown, non-conforming waste delivered to facility, spills, vectors, noise, odors, unusual traffic patterns, long-term power outages affecting the compactor and leachate pump station, etc.

Section 4 – Sedimentation and Erosion Control Plan

33. For new transfer stations or existing transfer stations with proposed construction modifications, provide a copy of the sedimentation and erosion control plan as required by local governments and the NC Division of Land Resources.

Section 5 - Financial Assurance

34. Financial assurance documentation in accordance with N.C. G.S. 130A-294 (b2) is required for all permits. An applicant must submit a cost estimate in the application equal to the cost to hire a third party to remove, cleanup, haul and dispose of a minimum of five days volume of incoming waste plus the maximum amount of materials (waste and recyclables) that the facility plans to store onsite. This is required in the event of site abandonment or if the site is found to be in substantial non-compliance with state requirements. The facility may be considered in substantial non-compliance if it is found storing more waste/recyclables on site than the facility's operations plan and/or the facility's financial assurance mechanism covers. The Section may require the estimate to be based on more than five days volume, depending on the type of operation, the past environmental compliance history of the applicant, and if the applicant does not currently operate any solid waste management facilities in North Carolina. After the Solid Waste Section has approved the cost estimate, the financial assurance instrument for the amount must be submitted before the site becomes operational (new facilities) or soon after the permit is issued (existing facilities).

Section 6 – Traffic Study

35. Submit documentation as required by N.C. G.S. 130A-295.5.

Section 7 – Signature Pages

36. Applicant signature page (see attached).
37. Contract operator signature page (see attached).

38. If the landowner of the property is not the applicant, the attached certification form by the land owner is required.

Section 8 - Engineering Drawings

For a new transfer station operation or an existing transfer station operation with proposed construction modifications, provide drawings showing the transfer station operation building or modifications. Engineering drawings should be prepared and sealed by a NC professional engineer, drawn to scale, and should include:

1. existing and proposed contours,
2. property boundaries,
3. gates/fences or other access control features,
4. utilities (including wastewater system and stormwater drains)
5. existing and proposed roads,
6. sedimentation basin details,
7. existing surface water features (ditches, ponds, streams, wetlands, etc.),
8. tipping floor and loading area,
9. any recyclable storage areas indicating types and sizes of containers,
10. any special waste handling areas, such as yard waste, white goods collection area, tire collection area, etc.,
11. leachate and runoff collection details,
12. buildings (existing and proposed) and scales/scale house,
13. concrete foundations/pads and identification of all other ground cover for the site operation,
14. distances to wells, residences, wetlands, and water bodies, and
15. other physical characteristics of the site.

A minimum of 100 feet buffer is required from the waste unloading, loading, and storage areas to the site property lines, all surface waters, residential dwellings, commercial or public buildings, and wells.

Signature page of applicant –

Name of facility _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision and that the information provided in this application 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.

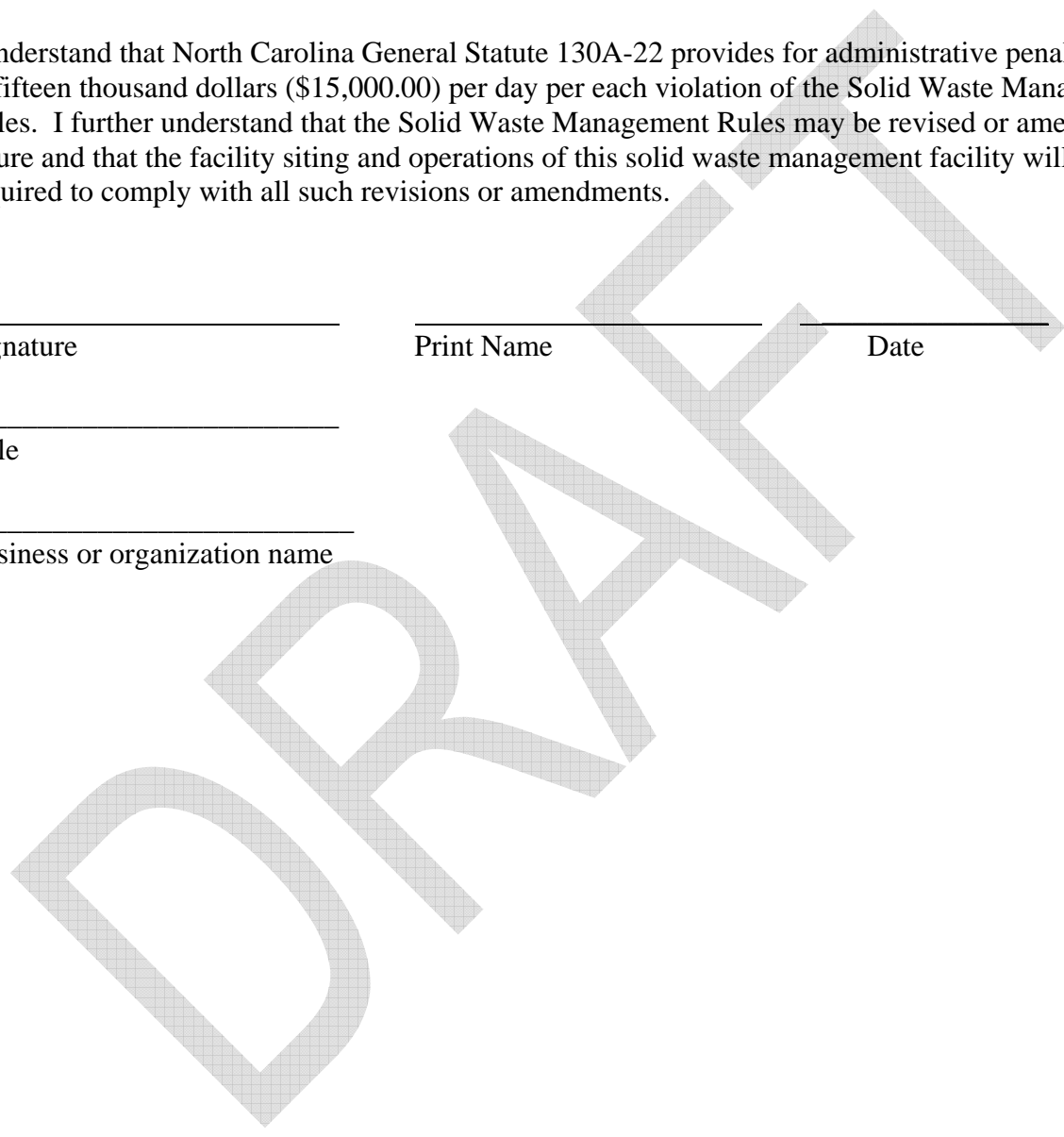
Signature

Print Name

Date

Title

Business or organization name



Certification by Land Owner (if different from Applicant):

I hereby certify that I have read and understand the application submitted by _____ for a permit to operate a municipal solid waste transfer station on land owned by the undersigned located at (address) _____; (city) _____, NC, in _____ County, and described in Deed Book and Page(s) _____.

I specifically grant permission for the proposed municipal solid waste transfer station planned for operation within the confines of the land, as indicated in the permit application. I understand that any permit will be issued in the names of both the operator and the owner of the facility/property. I acknowledge that ownership of land on which a solid waste management facility is located may subject me to cleanup of said property in the event that the operator defaults as well as to liability under the federal Comprehensive Environmental Responsibility, Compensation and Liability Act ("CERCLA"). Without accepting any fault or liability, I recognize that ownership of land on which a solid waste management facility is located may subject me to claims from persons who may be harmed in their persons or property caused by the solid waste management facility.

I am informed that North Carolina General Statute 130A-22 provides for administrative penalties of up to fifteen thousand dollars (\$15,000) per day per each violation of the Solid Waste Management Rules. I understand that the Solid Waste Management Rules may be revised or amended in the future, and that the siting and operation of the facility will be required to comply with any such revisions or amendments.

Signature Date

Print name

NORTH CAROLINA

County

I, _____, Notary Public for said County and State, do hereby certify that _____ personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 20__.

(Official Seal)

Notary Public

My commission expires _____.

ATTACHMENT 2

Operations Plan

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

OPERATIONS PLAN

Original Plan Prepared By:

Marlowe, Dreitzler & Associates
219 North Boylan Avenue
Raleigh, North Carolina 27603
(919) 834-1113
Dated: May 1997

Plan Revision Prepared By:

Golder Associates NC, Inc.
4900 Koger Boulevard, Suite 140
Greensboro, North Carolina 27407
(336) 852-4903
Dated: September 1, 2010

For:

Waste Management of Carolinas, Inc.
107 Landfill Road
Whiteville, North Carolina 28472
(910) 640-1988

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SITE LAYOUT

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CONTROL PROGRAM FOR UNAUTHORIZED WASTE

ATTACHMENT NO. 3:

OIL/WATER/GRIT SEPARATOR INSPECTION FORM

SECTION 1.0 – FACILITY INFORMATION

The Columbus County Transfer Station is located at 107 Landfill Road, Whiteville, NC 28472. The facility's operating hours are from 7:30 AM to 4:00 PM, Monday through Friday and 8:00 AM to 12:00 PM on Saturday. The facility generally operates year-round with the exception of Thanksgiving and Christmas day. The facility is secured by a gate, which is locked during non-operating hours, and fence which encompasses the property. The facility property is owned by Columbus County, and the facility structures are owned and operated by Waste Management of Carolinas, Inc.

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 100 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 scalehouse 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 use 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 landfill. 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 scalehouse 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 scalehouse 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 scalehouse 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 scalehouse 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 stored 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 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 ground 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



LEGEND

■■■■■■■ APPROXIMATE FACILITY BOUNDARY

IMAGE OBTAINED FROM MICROSOFT BING AUGUST 26, 2010



GENERAL SITE LAYOUT

WASTE MANAGEMENT OF WHITEVILLE
COLUMBUS COUNTY TS
107 LANDFILL ROAD
WHITEVILLE, NORTH CAROLINA

DATE:
AUGUST 26, 2010

SCALE:
AS SHOWN

ATTACHMENT NO. 2

CONTROL PROGRAM FOR UNAUTHORIZED WASTE

**Control Program for
Unauthorized Waste**

WW



WASTE MANAGEMENT

*Whiteville 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 if 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 properly 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 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 (1) day 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. 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)**

PPE 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. WMI 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.

iii. 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 or smell radioactive waste. Radioactive waste generally comes from hospitals and some mining sites.

2. Other Unacceptable Waste Types

A. Pressurized Containers

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

B. Non-WMI 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 WI approval prior to disposal at a WMI landfill.**
- ii. Wastewater treatment plant sludge is an example of a waste that requires WMI approval prior to disposal at a WMI 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 Whiteville Transfer Station will continue to meet the regulations, permit requirements and policies.

ATTACHMENT 1

Inspection Log

<u>Date</u>	<u>Time</u>	<u>Inspector</u>	<u>Transporter</u>

ATTACHMENT 2

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?	_____	_____	Haz. Waste?	_____	_____
Drums?	_____	_____	Hospital Mat.?	_____	_____
Transformers?	_____	_____	Oily Waste?	_____	_____
Tires?	_____	_____	Batteries?	_____	_____
Sludges?	_____	_____	Other, Explain?	_____	_____

Explain any YES answers _____

Actions Taken: _____

ATTACHMENT 3

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 Date _____ Instructor _____

Description of training i.e. video, subjects covered, etc.

Employees Trained:

Print Name

Signature

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____

ATTACHMENT NO. 3

OIL/WATER/GRIT SEPARATOR INSPECTION FORM

ATTACHMENT 3

Financial Assurance

**COST ESTIMATE WORK SHEET FOR CLOSURE OF COLUMBUS COUNTY
TRANSFER STATION**

1. General Conditions/ Mobilization/ Demobilization		
- Backhoe and bulldozer		\$5,000.00
2. Transfer station cleaning (pressure wash)		
- Labor; 80 hours @ 15.00/hour		\$1,200.00
- Cleaning Materials		\$300.00
3. Abandon 1 wastewater collection sumps		
- Labor; 40 hours @ \$15.00/ hour		\$600.00
- Materials (Concrete, 4 cu. yds.)		\$180.00
- Equipment Rental		\$250.00
5. Signage (2 metal signs fixed to fence)		\$200.00
6. Waste disposal (735 tons)		
- Mobilization/ demobilization of front end loader		\$250.00
- Loading; Front end loader w/ operator (36 hrs @ 110.00/hr)		\$3,960.00
- Hauling; 735 tons 32 hours @ \$1500.00/ hr		\$48,000.00
- Disposal; 735 tons @ \$33.00/ ton		\$24,255.00
7. Leachate Disposal (Columbus County POTW)		
a. 3,150 gallons generated from cleaning facility		
b. Wastewater disposal @ .05/gallon		\$158.00
	Subtotal	\$84,353.00
10 %	Contingency	\$8,434.00
5%	Administrative	<u>\$4,217.00</u>
	TOTAL	\$97,004.00

- The total tonnage estimate is derived from averaging the last 52 weeks of tonnage input on a weekly basis.

There is 735 tons of waste in the transfer station to be disposed of after one week.

ATTACHMENT 4

Signature Pages

Signature page of applicant –

Name of facility Columbus County Transfer Facility

I certify under penalty of law that this document and all attachments were produced under my direction or supervision and that the information provided in this application 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.

Wade Jernigan
Signature

Wade Jernigan
Print Name

4-15-2010
Date

Site Manager
Title

Waste Management
Business or organization name

Certification by Land Owner (if different from Applicant):

I hereby certify that I have read and understand the application submitted by

Waste Management of Whiteville for a permit to operate a municipal solid waste transfer station on land owned by the undersigned located at (address) 107 Landfill Road; (city) Whiteville, NC, in Columbus County, and described in Deed Book and Page(s) 376 / 362.

I specifically grant permission for the proposed municipal solid waste transfer station planned for operation within the confines of the land, as indicated in the permit application. I understand that any permit will be issued in the names of both the operator and the owner of the facility/property. I acknowledge that ownership of land on which a solid waste management facility is located may subject me to cleanup of said property in the event that the operator defaults as well as to liability under the federal Comprehensive Environmental Responsibility, Compensation and Liability Act ("CERCLA). Without accepting any fault or liability, I recognize that ownership of land on which a solid waste management facility is located may subject me to claims from persons who may be harmed in their persons or property caused by the solid waste management facility.

I am informed 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 understand that the Solid Waste Management Rules may be revised or amended in the future, and that the siting and operation of the facility will be required to comply with any such revisions or amendments.

Mike Stephens
Signature

4-15-10
Date

Mike Stephens
Print name

NORTH CAROLINA

Columbus County

Brunswick

I, Paulette A Varnam, Notary Public for said County and State, do hereby certify that Mike Stephens personally appeared before me this day and acknowledged that due execution of the foregoing instrument.

Witness my hand and official seal, this the 15th day of April, 2010.

(Official Seal)

Paulette A Varnam
Notary Public

My commission expires 8/8/2012.

**PAULETTE A. VARNAM
NOTARY PUBLIC
BRUNSWICK COUNTY, NC**