



Scanned By	Date	DOC ID	Permit
Backus	10/21/2010	11416	65-08T

September 14, 2010

103-96857

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: Wilmington Transfer Facility, Permit No. 65-08 T
Request for Permit Renewal**

APPROVED	
DIVISION OF WASTE MANAGEMENT SOLID WASTE SECTION	
Date 10/21/2010	By <i>Patricia M. Backus</i>
Attachment 1 Part II Document 8 Permit 65-08T PERMIT DIN 11891	

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 Wilmington Transfer Facility's permit to operate. As you are aware, the original renewal package was submitted on July 30, 2010 and this submittal is in response to your technical review and comments provided in your September 2, 2010, and September 10, 2010, correspondence. The Wilmington Transfer Facility is currently inactive and has been since 1996. A materials recycling facility (MRF) is currently operating at the location of the former transfer station. However, the attached documents would be used in the event the transfer station becomes active.

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 Amendment



REQUEST FOR PERMIT AMENDMENT

WILMINGTON TRANSFER FACILITY

PERMIT No. 65-08T



Waste Management of Carolinas, Inc.
3920 River Road
Wilmington, NC 28412

Table of Contents

- 1.0 GENERAL INFORMATION
- 2.0 OPERATIONS PLAN
- 3.0 FINANCIAL ASSURANCE
- 4.0 SIGNATURE PAGE

Attachments

- Attachment 1 – Application Guidance for a MSW Transfer Station
- Attachment 2 – Operations Plan Documents
- Attachment 3 – Financial Assurance Documents
- Attachment 4 – Signature Page Document

1.0 GENERAL INFORMATION

The Wilmington Transfer Facility (Facility) is owned and operated by Waste Management of Carolinas, Inc. under Permit Number 65-08T. The Facility is located at 3920 River Road (approximately 11.6 miles northwest of Carolina Beach State Park, and 9.7 miles south of the Wilmington International Airport) in Wilmington, NC. The Facility is a central delivery point for non-hazardous, non-liquid solid waste and recyclables. The Facility provides a comprehensive waste management services. The process combines recycling, resource recovery, processing and transfer procedures, conducted in an environmentally safe manner.

The Facility is currently inactive and has been since 1996. A materials recycling facility (MRF) is currently operating at the location of the former transfer station. However, the attached documents would be used in the event the transfer station becomes active.

Contact information for the Facility is listed below:

Applicant, Contact Person, Contract Operator

Mr. Chris McKeithan, District Manager
Waste Management of Carolinas, Inc.
3920 River Road
Wilmington, NC 28412
Phone: (910) 798-1221
Email: cmckeith@wm.com

Landowner

Waste Management of Carolinas, Inc.
3920 River Road
Wilmington, NC 28412
Phone: (910) 798-1221
Email: cmckeith@wm.com

Engineer

Mr. Mike Loyd, Division Engineer
Waste Management of Carolinas, Inc.
251 New Hope Road
Wellford, SC 29385
Phone: (864) 439-9184
Email: mloyd@wm.com

Submit Permit Fees to:

Mr. Chris McKeithan, District Manager
Waste Management of Carolinas, Inc.
3920 River Road
Wilmington, NC 28412
Phone: (910) 798-1221
Email: cmckeith@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 PAGE

The Signature Page for the facility is 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.

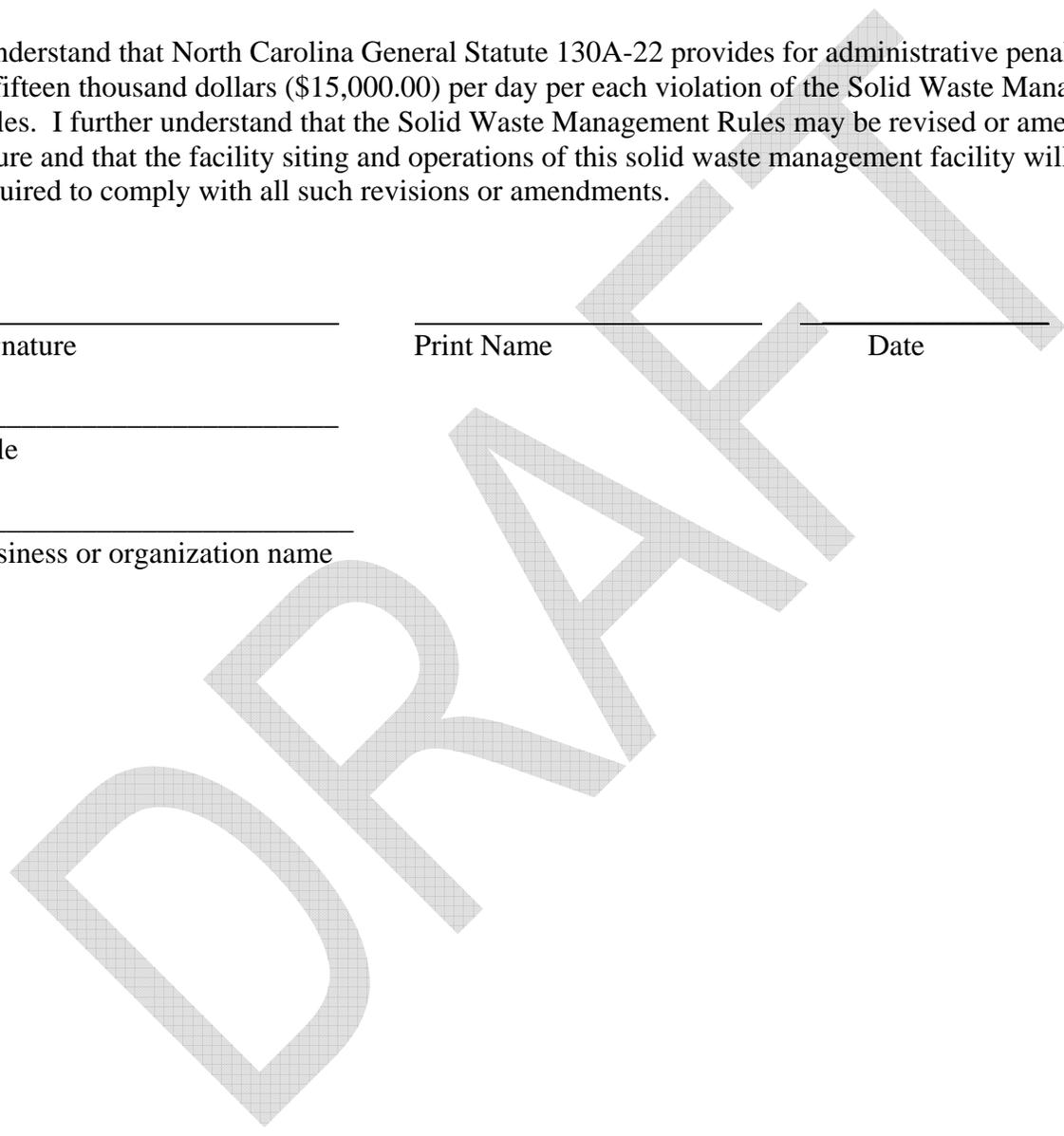
Signature

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

OPERATIONS PLAN

WASTE MANAGEMENT OF CAROLINAS, INC. WILMINGTON WASTE TRANSFER FACILITY PERMIT NO. 65-08 T



REVISED: SEPTEMBER 2010

Prepared For:

Waste Management of Carolinas, Inc.
3920 River Road
Wilmington, North Carolina 28412
(910) 798-1221

Prepared By:

Golder Associates NC, Inc.
5B Oak Branch Drive
Greensboro, North Carolina 27407
(336) 852-4903

TABLE OF CONTENTS

ATTACHMENT NO. 1..... i
CONTROL PLAN FOR UNAUTHORIZED WASTE i
1.0 FACILITY INFORMATION..... 1
2.0 WASTE RECEIVED..... 1
3.0 WASTE TRANSPORTATION..... 2
 3.1 Routine Operations 2
 3.2 Contingency Operations 2
4.0 OPERATIONAL PROCEDURES..... 2
 4.1 Hours of Operation 2
 4.2 Manager Responsibilities..... 2
 4.3 Record Keeping 3
 4.4 Site Security and Access Control..... 3
 4.5 Housekeeping/Vector Control Measures 3
 4.6 Recycling Activities 3
5.0 EMERGENCY PROCEDURES..... 3
6.0 SITE REQUIREMENTS AND FEATURES 4
 6.1 Erosion Control 4
 6.2 Drainage Control..... 4
 6.3 Wind Control 4

ATTACHMENT NO. 1
CONTROL PLAN FOR UNAUTHORIZED WASTE

1.0 FACILITY INFORMATION

The Wilmington Transfer Facility (Facility) is located on River Road in New Hanover County, North Carolina. The facility is operated by Waste Management of Carolinas, Inc. (Waste Management). This property is approximately 11.6 miles northwest of Carolina Beach State Park, and 9.7 miles south of the Wilmington International Airport.

The Facility is currently inactive and has been since 1996. A materials recycling facility (MRF) is currently operating at the location of the former transfer station. However, this plan would be used in the event the transfer station becomes active.

The Facility is sited within a 9.5-acre tract of land. The Facility consists of two office buildings, transfer station, vehicle maintenance shop, truck scale, site paving, and necessary utilities. Security fencing surrounds the perimeter of the Facility and a security gate is located at the entrance to the Facility. The Facility security gate is locked when the Facility is closed.

Domestic wastewater at the Facility is disposed of via onsite septic systems.

2.0 WASTE RECEIVED

The Facility accepts municipal solid waste (MSW) from residential, commercial, and industrial sources. Waste Management conducts waste screening to ensure that non-regulated materials are not accepted at the Facility. No sludges, special waste, regulated medical waste, construction demolition debris, or hazardous waste is accepted. Signs are posted at the entrance that state the types of waste received, the types of waste prohibited, the Facility operating hours, permit number and emergency contact. If a collection vehicle enters the Facility with non-conforming waste, the vehicle is turned away by the Facility personnel. A copy of the Control Plan for Unauthorized Waste is included as Attachment No. 1.

Waste is consolidated at the Facility for transport to and disposal at a permitted sanitary landfill. The MSW received by the Facility is transported to either the Sampson County Landfill in Roseboro, North Carolina or Waste Management's Richland Landfill in Elgin, South Carolina. If Waste Management chooses to use a different landfill other than the ones listed, the landfill chosen will be a Subtitle D approved facility and a notification will be sent from Waste Management to the Solid Waste Section. Waste Management collects and transports recyclables on a periodic basis from the Facility to recycling facilities. Recyclables such as paper, cardboard, aluminum, PET, HDPE, glass, etc. may be moved through the Facility. Waste Management may also pull corrugated cardboard material from corrugated rich loads and sell the material.

At the last time of operations, the average inbound/outbound tonnage was 55 tons per day; since 1996, the average inbound/outbound tonnage at the Facility has been 0 tons of waste per day. The service areas include: New Hanover, Pender, Brunswick, Onslow, Sampson, Duplin and Columbus Counties. The facility maintains daily records of the waste received including tonnages and county origin.

3.0 WASTE TRANSPORTATION

3.1 Routine Operations

Collection vehicles, consisting of front load, rear load, and roll-off trucks, transport waste to the transfer facility, which is a covered building. The collection trucks are initially weighed at the scale after arriving at the facility. Refuse is consolidated on a tipping floor where it is pushed into open top trailers, and tamped down with a bucket loader. The only types of compaction used are bucket loaders to tamp down loads and bailers for corrugated materials to be recycled. When a collection truck has unloaded, it returns to the scale to be weighed again before exiting the site. The scale is a ground-level Fairbanks scale and is located near the gate.

The transfer vehicles typically consist of a tractor and a 50-foot aluminum body trailer. The transfer trailers are tarped before leaving the Facility for over the road transport. The Facility contracts its over-the-road transfer operations to a third party vendor.

3.2 Contingency Operations

In the event a loader breaks down, loaders are replaced by a third party contractor; currently these services are provided by First Tee Transport. If a transfer truck breaks down, the trucking contractor will send out a replacement unit so that minimal delays will result. In extreme situations, collection trucks could go directly to the landfill. Natural light is sufficient for normal operations; therefore a loss of power will not affect daytime transfer activities. If a loss of power occurs during nighttime transfer activities, inbound collection vehicles will be either rerouted or will wait until power has been restored at the Facility.

4.0 OPERATIONAL PROCEDURES

4.1 Hours of Operation

The Facility operates from 8 a.m. to 5 p.m. Monday through Saturday. These operating hours may fluctuate based on the needs of the facility. The hours stated are for the receipt of waste; other activities pertaining to the transfer facility may be conducted beyond these hours.

4.2 Manager Responsibilities

A manager, or trained designee, is onsite at all times during Facility operating hours to oversee the loading and unloading of waste. If loading and unloading activities are conducted outside of the operating hours for the receipt of waste, the manager or other designee with the appropriate North Carolina Solid Waste Management Association of North America certification of Transfer Station Operations Specialist will be on-site to oversee the activities. The manager is responsible for the operations, maintenance, and general housekeeping of the Facility. The manager directs all traffic into and out of the Facility. The manager is also responsible for the movement of waste from the tipping floor into the trailers. The manager at the Facility is:

Chris McKeithan, District Manager
Phone: (910) 798-1221
Email: cmckeith@wm.com

At the end of each operational day, the tipping floor is cleaned of solid waste. The manager cleans the transfer tunnel of all debris, picks-up any wind blown debris, locks all operating equipment, closes and locks all doors to the Facility, sets security alarms, and locks the security gate at the entrance to the site.

4.3 Record Keeping

The Facility maintains records of inbound and outbound tonnage through an electronic data collection system at the scale house. The data also includes the transport company and county of origin. All collection vehicles and transport vehicles enter and exit through the scale. The facility also maintains records of the county of origin for the waste, waste screening records, other inspection records, and employee training records.

4.4 Site Security and Access Control

The Facility is surrounded by a perimeter security fence. A security gate is located at the entrance to the Facility and is locked at the end of normal operating hours. The Facility manager or designee(s) has access to the security gate. Exterior lighting at the Facility is present to deter acts of theft and vandalism. Access roads to the Facility are of all-weather construction.

4.5 Housekeeping/Vector Control Measures

No solid waste is stored at the site longer than 24 hours. All extraneous solid waste is swept and removed from the tipping floor by broom and/or shovel during the operational day. There are no liquids discharged from the transfer station operating floor. The only water which comes into contact with the waste outside of inherent moisture content, is the wash-down water used to keep the Facility clean. An onsite well is available for wash down water, as needed, with spigots located inside the transfer facility. Liquids (wash water) are collected in a 3,000-gallon underground storage tank and disposed of by Waste Management or a certified third party vendor and taken to a permitted facility, as needed. Liquid levels in the tank are monitored by daily visual inspections as well as a level-alarm system.

4.6 Recycling Activities

All recycled goods collected are hauled to the Facility by recycling trucks. Loading of these recyclable materials is done first thing each morning. Recyclable materials are dumped on the tipping floor and are isolated from the MSW. These recycle materials are then loaded into a trailer for transport to a recycling facility. Transfer trailers for recycling are removed from the loading pit once the recyclables have been loaded and empty trailers are placed into the loading pit for MSW. Several trailers are maintained by the Facility for recyclable materials.

5.0 EMERGENCY PROCEDURES

The Facility has emergency procedures posted at the transfer station. These procedures include emergency contact numbers and fire escape routes. Fire extinguishers are placed strategically throughout the facility. Employees receive annual fire safety training and a safety meeting is held every Tuesday at the Facility. Fire prevention and response is discussed as part of the weekly safety meeting. The Facility also contains routine emergency equipment such as phones, radios, and first aid kits.

A sign indicating the facility permit number, and emergency contact and phone number is located at the entrance to the facility. The on-site emergency contact is Chris McKeithan and the emergency phone number is 910-798-1221. In the event of a fire, the on-site emergency contact and fire department shall be notified immediately.

The site is located approximately 1.7 miles from the City of Wilmington Fire Station Number 6, which is the initial response unit in the event of a fire. The New Hanover County Sheriff's Department is located approximately 6.2 miles from the site. New Hanover County Police frequently patrol the site area.

6.0 SITE REQUIREMENTS AND FEATURES

6.1 Erosion Control

The erosion control measures for the site include:

- Two infiltration basins/trenches, which filter out sediment from stormwater runoff;
- Gravel filters or other sediment control features around all stormwater inlets; and
- Riprap armoring of all drainage outlets and channels as appropriate.

All site areas not paved or graveled have been planted with grass to prevent erosion of cut and fill slopes.

6.2 Drainage Control

The impervious pad adjacent to the transfer station entrance is sloped away from the tipping floor to prevent the contact of stormwater runoff with the solid waste. All site drainage is channeled into one of two permanent detention basins with a maximum water surface elevation of 20.3 feet. The tipping floor elevation is 28.6 feet, which allows for positive drainage.

6.3 Wind Control

The tipping floor and transfer trailer loading areas are enclosed by a metal building. Waste will be contained within the confines of the structure. All scattered or blown waste will be collected at the end of each working day and loaded into the last transfer trailer (clean-up load) of the day. Dust control, if needed, will be handled using a water truck to water down any non-paved areas creating windblown debris.

(End)

Control Program for Unauthorized Waste



Wilmington Transfer Station

Wilmington, North Carolina 28412

TABLE OF CONTENTS

INTRODUCTION	1
INSPECTION PROCEDURES	1
1. CHOOSING A VEHICLE TO INSPECT	2
2. CHOOSING A LOCATION FOR THE INSPECTION	2
3. INSPECTING THE LOAD	2
4. APPROPRIATE ACTION FOR UNACCEPTABLE WASTE	3
INSPECTION CRITERIA	3
1. VEHICLES TO INSPECT	3
2. FREQUENCY OF INSPECTION	3
3. INSPECTION DATES	3
MANAGEMENT OF REGULATED WASTE	4
REGULATED WASTE STORAGE, TRANSPORTATION AND DISPOSAL	4
TRAINING AND SAFETY	5
1. TRAINING	5
2. INSTRUCTION	5
3. PERSONAL PROTECTIVE EQUIPMENT	5
UNACCEPTABLE WASTE TYPES	6
SUMMARY	7

LIST OF ATTACHMENTS

INSPECTION LOG	ATTACHMENT 1
RANDOM INSPECTION REPORT	ATTACHMENT 2
LOAD REJECTION DOCUMENTATION FORM	ATTACHMENT 3
TRAINING RECORD - UNAUTHORIZED WASTE	ATTACHMENT 4

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; and,
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 Wilmington 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.

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 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 Wilmington Transfer Station will continue to meet the regulations, permit requirements and policies.

ATTACHMENT 1

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 3

Financial Assurance

**COST ESTIMATE WORK SHEET FOR CLOSURE OF WM OF WILMINGTON
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 (275 tons)		
- Mobilization/ demobilization of front end loader		\$250.00
- Loading; Front end loader w/ operator (72 hrs @ 110.00/hr)		\$7,920.00
- Hauling; 275 tons 64 hours @ \$1500.00/ hr		\$96,000.00
- Disposal; 275 tons @ \$23.50/ ton =		\$6,462.00
7. Leachate Disposal (Cape Fear WWTP)		
a. 3,150 gallons generated from cleaning facility		
b. Wastewater disposal @ .40/gallon		\$1260.00
	Subtotal	\$119,622.00
10 %	Contingency	\$11,962.00
5%	Administrative	<u>\$5,981.00</u>
	TOTAL	\$137,565.00

- The total tonnage estimate is derived from averaging the last time tonnage was accepted on a weekly basis.

There is 275 tons of waste in the transfer station to be disposed of after one week.

ATTACHMENT 4

Signature Page

