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Backus	10/22/2010	11415	92-15T

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

September 14, 2010

10396889

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

Date 10/22/2010 By Patricia M. Backus
Attachment 1 Part II Document 8
Permit 92-15T PERMIT DIN 11884

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

**RE: Raleigh–Durham Waste Transfer Facility, Permit No. 92-15 T
Revised Request for Permit Renewal**

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 Raleigh-Durham Waste 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 August 31, 2010, and September 10, 2010, correspondence. 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
RALEIGH-DURHAM WASTE TRANSFER FACILITY

PERMIT No. 92-15 T



Waste Management of Carolinas, Inc.
10411 Globe Road
Morrisville, NC 27560

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1.0 GENERAL INFORMATION

The Raleigh-Durham Transfer Facility (Facility) is owned and operated by Waste Management of Carolinas, Inc. under Permit Number 9215T. The Facility is located at 10411 Globe Road (approximately .85 miles northwest of Aviation Parkway and 1 mile southeast of the Durham/Wake County Line) in Morrisville, NC. The Facility is a central delivery point for non-hazardous, non-liquid solid waste and recyclables. The Facility provides a comprehensive waste management service. The process combines recycling, resource recovery, processing and transfer procedures, conducted in an environmentally safe manner.

Contact information for the Facility is listed below:

Applicant, Contact Person, Contract Operator

Mr. James Woodard, District Manager
Waste Management of Carolinas, Inc.
10411 Globe Road
Morrisville, NC 27560
Phone: (919) 405-1497
Email: jwoodard@wm.com

Landowner

Waste Management of Carolinas, Inc.
10411 Globe Road
Morrisville, NC 27560
Phone: (919) 405-1497
Email: jwoodard@wm.com

Engineer

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

Submit Permit Fees to:

Mr. James Woodard, District Manager
Waste Management of Carolinas, Inc.
10411 Globe Road
Morrisville, NC 27560
Phone: (919) 405-1497
Email: jwoodard@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.

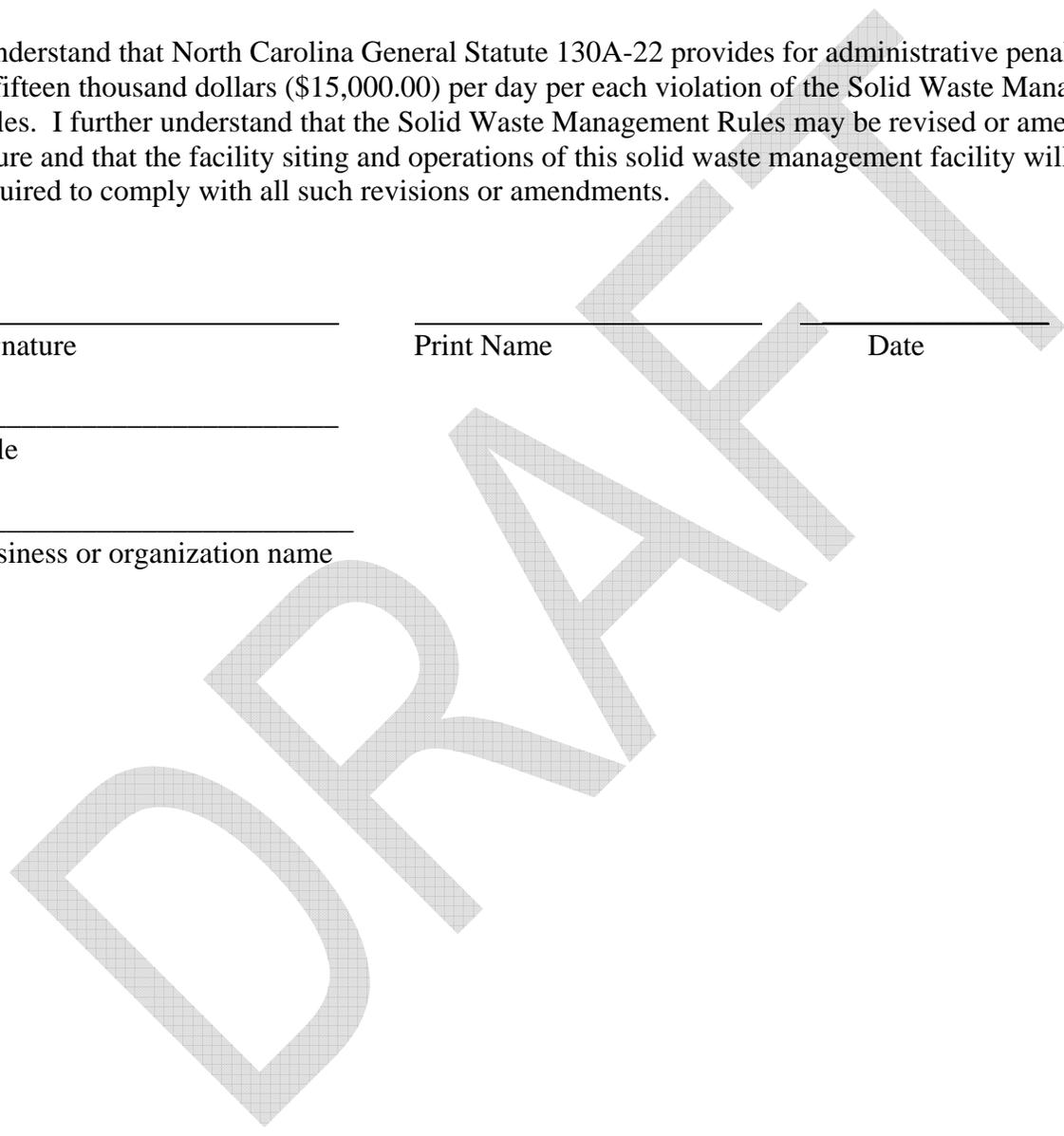
Signature

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

OPERATIONS PLAN

WASTE MANAGEMENT OF CAROLINAS, INC. RALEIGH-DURHAM WASTE TRANSFER FACILITY PERMIT NO. 92-15 T



PREPARED: APRIL 1994

REVISED: OCTOBER 2002, JULY 2010, SEPTEMBER 2010

Revised Plan (October 2002) Prepared By:

Joyce Engineering, Inc.
2301 West Meadowview Road, Suite 203
Greensboro, North Carolina 27407
(336) 323-0092

Revised Plan (July 2010 and September 2010) Prepared By:

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

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ATTACHMENT NO. 1

UNAUTHORIZED WASTE CONTROL PLAN

1.0 FACILITY INFORMATION

The Waste Management Raleigh-Durham Transfer Facility (Facility) is located off Globe Road in Wake County, within the Kitty Hawk Airport Executive Park. This property is approximately .85 miles northwest of Aviation Parkway, and 1 mile southeast of the Durham/Wake County Line. The facility is operated by Waste Management of Carolinas, Inc. (Waste Management) and is located within the limits of the Town of Cary.

The Facility is divided into two sections. The first section includes a 12,000-square foot building that contains a vehicle maintenance shop and administrative offices, as well as a 66-space parking lot. The second section of the Facility consists of a 10,000-square foot transfer station, a concrete turn-around pad for collection vehicles, a truck scale, site paving, and necessary utilities. A fuel island and an above ground storage tank have been added to the first section of the Facility. Security fencing surrounds the perimeter of the Facility and a security gate is located at the entrance to the Facility.

The Facility is sited on a 3-acre tract within the 12-acre property. This tract is zoned by the Town of Cary as Industrial-2 Conditional Use to allow for the siting of the solid waste transfer station. The remainder of the property is zoned Planned Employment Center (PEC) which is appropriate for the vehicle maintenance shop.

Domestic wastewater is discharged to the Town of Cary's public owned treatment works (POTW). Wastewater from the tipping floor is collected and contained onsite. A third party wastewater contractor removes and disposes of the used washwater.

2.0 WASTE RECEIVED

The Facility accepts municipal solid waste (MSW) and co-mingled construction demolition debris (CDD) from residential, commercial, and industrial sources. No segregation or reclamation of CDD waste occurs at the facility. Waste Management conducts waste screening to ensure that non-regulated materials are not accepted at the Facility. A copy of the Unauthorized Waste Control Plan is included as Attachment No. 1. No sludges, special waste, regulated medical waste, 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.

Waste is consolidated at the Facility for transport to and disposal at a permitted sanitary landfill. The waste received by the Facility is transported to the Sampson County Landfill in Roseboro, North Carolina. If Waste Management chooses to use a different landfill other than the one listed, the landfill chosen will be an approved facility for the type of waste, 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.

The average inbound/outbound tonnage at the Facility is 325 tons of waste per day. The service areas include: Wake, Durham, Chatham, Franklin, Johnston, Orange, Alamance, Vance, Granville and Wayne Counties. The facility maintains daily records of the waste received and transferred including county origin, tonnages, waste screening records, other inspection records as applicable.

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. The collection trucks are initially weighed at the scale after arriving at the facility. Waste 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 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 out its transfer trucking operation to a third party operator; the current operator is First Tee Transport.

3.2 Contingency Operations

In the event a loader breaks down, loaders are replaced 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 typically operates from 3:00 a.m. to 7:00 p.m. Monday through Saturday; however, occasions occur when the facility operates on a 24 hour a day, 7 days a week basis for internal Waste Management trucks. The facility is closed on New Year's Day, Thanksgiving Day, and Christmas Day. The 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*

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 ensures that a certified operator is present at the Facility during operating hours. The District Manager, one of the shift operators, and third party contractors are certified operators that have the North Carolina Solid Waste Management Association of North America (NCSWANA) certification of Transfer Station Operations Specialist. The management team at the Facility currently consists of three managers:

James Woodard, District Manager
Phone: (919) 405-1497
Email: jwoodard@wm.com

Andrew Harkins, Route Manager
Phone: (919) 405-1480
Email: aharkins@wm.com

Raymond Gier, Maintenance Manager
Phone: (919) 405-1490
Email: rgier@wm.com

At the end of the operational hours each day, the tipping floor is completely cleaned of all solid waste. The operator cleans the transfer tunnel of all debris, picks-up any wind blown debris, locks all operating equipment, sets security alarms in the office building, 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. 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. Facility managers and internal Waste Management trucks have access to the security gate. Exterior lighting at the Facility is present to deter acts of theft and vandalism.

4.5 *Housekeeping/Vector Control Measures*

No solid waste is stored at the site longer than 24 hours, with the exception of weekends and holidays. All extraneous solid waste is swept and removed from the tipping floor by broom and/or shovel during the operational hours. Any extremely wet material is removed by washing down the area with water. This wastewater is collected by perimeter trench drains and later removed from the site. *Washwater Disposal* in section 6.3 describes the Facility's washwater handling and removal methods.

4.6 *Recycling Activities*

All recycled goods collected are hauled to the Facility by recycling trucks. Loading of these recyclable materials is done 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 at the Facility. 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 current on-site emergency contact is James Woodard and the emergency phone number is 919-405-1497.

The site is located approximately 7.5 miles from the Town of Cary Fire Station Number 1, which is the initial response unit in the event of a fire. Units from Morrisville also respond to fire calls from this site. The Town of Cary Police Department is located approximately 10.5 miles from the site. Cary Police frequently patrol the site area.

6.0 SITE REQUIREMENTS AND FEATURES

6.1 *Erosion Control*

The erosion control measures for the site include a sediment basin with a riser outfall structure, which filters out sediment from stormwater runoff. Also, 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 concrete 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 a permanent detention basin with a maximum water surface elevation of 350.0. The tipping floor elevation is 370.0, which allows for positive drainage.

6.3 *Washwater Disposal*

Water used to wash the tipping floor comes from the Town of Cary's public water supply. Washwater used during the Facility's housekeeping activities drains to a perimeter trench on the tipping floor. The perimeter trench then drains to a floor sump. A 3000-gallon capacity polyethylene flat bottom storage tank is located in the loading pit. Washwater is pumped into the storage tank from the floor sump by a portable, self-priming pump, which is stored next to the storage tank.

The average daily volume of washwater is approximately 400 gallons. The tank level is inspected daily by the facility manager. The tank accommodates washwater generated during one week of operation and the washwater is collected for disposal as necessary, typically on a weekly basis. The Facility contracts out its washwater removal and disposal to a third party vendor. Currently, Separator Solutions collects and transports the washwater to McGill Environmental in New Hill, NC for treatment; however, other vendors which are permitted to receive the washwater may be used as necessary.

7.0 BIRD CONTROL PLAN

The following bird control plan is implemented to reduce the Facility's attraction to birds and to monitor the frequency of birds at the site. This bird control plan consists of three parts as described below.

The first part of the bird control plan includes specific facility features. The second part identifies operational procedures that are employed to reduce exposure of garbage to birds. The third part reflects the need to conduct bird monitoring. A bird-monitoring plan was implemented over a 2.5 year period to evaluate and monitor use of the Facility by birds. The results of the evaluation indicated that there was no longer a need to conduct bird monitoring. The approval to discontinue monitoring was issued by the United States Department of Agriculture in a letter dated July 1997.

Facility Features

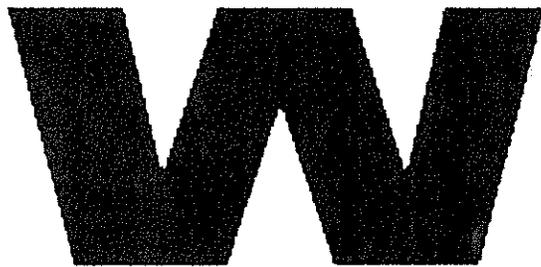
- a. All collection and transfer vehicles have rubber gasket seals to prevent leakage of liquids.
- b. Exterior lighting fixtures on the transfer station building produce a light that is yellow to red in color.

Operational Procedures

- a. Collection vehicles transporting waste to the facility are covered when entering the main gates of the facility.
- b. Loading and unloading of waste occurs inside the transfer station building on the tipping floor.
- c. The opened top transfer trailers being loaded within the transfer tunnel are covered with a tarpaulin prior to exiting the transfer tunnel.
- d. The facility grounds, including the roadways, truck queuing area, and truck maneuvering areas, are maintained free of litter and debris.
- e. No waste is stored outside the transfer station building.
- f. No waste is stored at the site longer than 24 hours.

(End)

**Control Program for
Unauthorized Waste**



WASTE MANAGEMENT

*Raleigh Transfer Station
10411 Globe Road
Morrisville, NC 27560*

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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 Raleigh 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 WMI 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 Raleigh 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 RALEIGH-
DURHAM
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 (1025 tons)		
- Mobilization/ demobilization of front end loader		\$250.00
- Loading; Front end loader w/ operator (72 hrs @ 110.00/hr)		\$7,920.00
- Hauling; 1025 tons 64 hours @ \$1500.00/ hr		\$96,000.00
- Disposal; 1025 tons @ \$23.50/ ton =		\$24,087.00
7. Leachate Disposal (HOH WWTP)		
a. 3,150 gallons generated from cleaning facility		
b. Wastewater disposal @ .40/gallon		\$1260.00
	Subtotal	\$137,247.00
10 %	Contingency	\$13,724.00
5%	Administrative	<u>\$6,862.00</u>
	TOTAL	\$157,833.00

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

There is 1025 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 WASTE MANAGEMENT - RDU Transfer Station

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.

James Woodard
Signature

JAMES WOODARD
Print Name

7/23/10
Date

District mgr.
Title

WASTE MANAGEMENT
Business or organization name