Scanned By	Date	DOC ID	Permit
Backus	06/03/2016	26117	9215T-TRANSFER-1994

WASTE MANAGEMENT RALEIGH DURHAM

MUNICIPAL SOLID WASTE TRANSFER STATION

(PERMIT #92-15T)

OPERATIONS PLAN

WASTE MANAGEMENT OF CAROLINAS, INC.

10411 GLOBE ROAD

MORRISVILLE, WAKE COUNTY, NORTH CAROLINA 27560

APPROVED

DIVISION OF WASTE MANAGEMENT

SOLID WASTE SECTION

Date 06/02/2016 **By** Patricia M. Backus

DIN 26117

Attachment 1 **Part** VI **Document 10**

Permit 9215T-TRANSFER-1994 **Permit DIN** 26118

PREPARED OCTOBER 1993
REVISED: NOVEMBER 1996, OCTOBER 2002, JULY 2010

CURRENT REVISION: APRIL 2016

3920 River Road
Wilmington, NC 28412
(910) 798-1230

April 26, 2016

Ms. Pat Backus, P.E.
NC DEQ
Division of Waste Management, Solid Waste Section
217 West Jones Street
Raleigh, NC 27603

VIA: UPS 2nd Day Delivery, Tracking Number:

Re: Permit Renewal Request
Waste Management of Carolinas, Inc., Raleigh-Durham Transfer Station
10411 Globe Road, Raleigh, Wake County
Permit #92-15T

Dear Ms. Backus:

Please find enclosed final permit renewal documents required for the Waste Management of Carolinas, Inc., Raleigh-Durham Transfer Station. Based on suggestions in your email dated 4/20/16, the following edits were made to the documents submitted in July 2015:

- References to NC DENR were updated to reflect the agency's recent change to NC DEQ.
- References to two outdated agency hyperlinks were removed.
- For this application we are requesting a 5-year permit, due to pending life-of-site legislation.

If you have any questions or require additional information, do not hesitate to contact me at (910) 274-8869, or scarrol3@wm.com.

Sincerely,

Shawn P. Carroll

Shawn P. Carroll
Environmental Protection Manager

cc: Mr. James Woodard, District Manager
Mr. Terry Darragh, Area Engineer

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1.0 GENERAL INFORMATION

1.1 FACILITY LOCATION AND DESCRIPTION

The Waste Management of Carolinas, Inc. Raleigh-Durham Transfer Facility (Facility) is located off Globe Road in Wake County, within the Kitty Hawk Airport Executive Park. This property is approximately 0.85 miles northwest of Aviation Parkway, and one mile southeast of the Durham/Wake County Line. The approximate location of the site and surrounding topography are illustrated on **Figure 1**. The site is within the limits of the Town of Cary. The latitude and longitude of the site (at approximate center) from Google Earth are 35º53'35.79" N and -78º48'63" W, at an elevation of approximately 370 feet.

The Facility lies on a 12.0-acre parcel of property owned by Waste Management of Carolinas, Inc. (See **Attachment 1** for tax data) and is divided into two sections/operations. 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, utilized for the Waste Management Raleigh Hauling operation. 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 Transfer Station 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 as Planned Employment Center (PEC) which is adequate for the vehicle maintenance shop. **Figure 2** illustrates the general layout of the site along with the property boundaries and **Figure 3** provides a more detailed view of the facility, along with the drainage plan.

Domestic wastewater and truck wash water is discharged to the Town of Cary Publicly Owned Treatment Works (POTW). Wastewater from the tipping floor (leachate) is collected and contained onsite. A 3rd-party wastewater contractor removes and disposes of the leachate. **Figure 4** illustrates the transfer station's leachate collection system (LCS) details.

Note that the facility is not new, and there are no new construction modifications associated with this permit renewal application.

1.2 CONTACT INFORMATION

The contact information for the facility is as follows:

<u>Applicant, Operator, Land Owner, Administrative Contact:</u>

James Woodard, District Manager
Waste Management of Carolinas, Inc. Raleigh-Durham Transfer Station
10411 Globe Road
Morrisville, North Carolina 27560
Telephone: 919-815-0149
Email: jwoodard@wm.com

Environmental Protection Manager (preparer, technical contact)

Shawn Carroll
3920 River Road
Wilmington, NC 28412
Telephone: 910-798-1230
Email: scarrol3@wm.com

2.0 HOURS OF OPERATION

The Facility operates on a 24 hour a day basis seven days a week for internal Waste Management trucks. The Facility typically operates from 6 a.m. to 7 p.m. Monday through Saturday for all other transfer trucks unless otherwise posted at the facility entrance. The operating hours may fluctuate based on the needs of the facility, which may include Saturdays from 8:00 a.m. to 1:00 p.m. In the event of the need for extended hours of operation, the North Carolina Department of Environmental Quality (NC DEQ), Division of Waste Management (DWM), Solid Waste Section (SWS) will be contacted. Transfer station personnel are on-site during these periods. The hours stated are for the receipt of waste; other activities pertaining to the transfer station may be conducted beyond these hours. All stated operational hours are consistent with local zoning and conditional use ordnances.

A sign is posted at the entrance with the hours of operation, as well as the permit number, prohibited waste, and emergency contact information.

3.0 EQUIPMENT

Collection vehicles, transfer vehicles, bucket loaders, and/or other equipment will be utilized at the facility for loading, hauling, and managing solid waste. Collection vehicles, such as front load, rear load, roll-off trucks, and pickup trucks will transport waste to the transfer facility.

Refuse will be consolidated on the tipping floor where it will be pushed into open top trailers.

Transfer vehicles will typically consist of a tractor and a 53-foot open top aluminum body trailer. Transfer trailers will be tarped for over-the-road transport. A bucket loader will be used to load the trucks and tamp down waste. Trailers will be weighed by onsite state-approved scales prior to leaving the facility.

The transfer station operations and transportation are currently* contracted out to a third-party vendor:

Third Party Transfer Station Operator and Transporter

CEI/Stafford Logistics, Inc.
Johnathon Bass, Operations Manager
7505 Roseboro Highway
Roseboro, NC 28382
Telephone: 910-385-8932
Email: **bassproplish@hotmail.com**

*The third-party operator and transporter are subject to change. If such a change occurs the new contact will be placed in the site's operating record and the DWM will be notified.

4.0 OPERATIONAL PROCEDURES

4.1 Description of Solid Waste

The transfer station can only accept solid waste that is permitted at the facility for transfer and subsequent disposal. Therefore, the site will accept municipal solid waste (MSW) from residential, commercial and industrial sources, as well as construction and demolition (C&D) debris. Animal carcasses are occasionally received on a limited basis (not bulk volumes due to vector/odor concerns); these are handled similarly to other permitted waste.

No sludge, special waste (including asbestos containing materials), regulated medical waste, whole tires, bulk liquid, PCB waste as defined in 40 CFR 61, or hazardous waste are accepted at the transfer station. A sign posted at the entrance to the transfer station states that no hazardous or liquid waste will be received. Waste Management of Carolinas, Inc. also conducts waste screenings to insure that unacceptable materials are not accepted at the facility. A copy of the Waste Screening Program is included as **Attachment 1** of this Plan.

The transfer station typically handles approximately 80 tons per day; however, volumes may range up to 400 tons per day based on market conditions and demand for the facility.

4.2 Disposal Facilities

Recyclable materials, MSW and C&D waste will be consolidated at the transfer station for transport to and disposal at a permitted sanitary landfill. It is anticipated that the majority of the waste will be transported to the Sampson County Disposal landfill (Permit #82-02) in Roseboro, North Carolina.

If Waste Management chooses to use a different landfill other than the ones listed, the chosen landfill will be a fully permitted Subtitle D facility, and a notification will be sent from Waste Management of Carolinas, Inc. to the DWM.

4.3 Service Area

At present, the Raleigh Durham Transfer Station is permitted to serve the following North Carolina counties:

- Wake, Durham, Chatham, Franklin, Johnston, Orange, Alamance, Vance, Granville, and Wayne.

This service may expand based on market conditions. If this occurs during the current permit cycle, a request/notification will be provided to DWM.

4.4 Routine Operations

An operator will always be present at the transfer station during operating hours. The operator will be responsible for directing all traffic into and out of the transfer station. The operator will also be responsible for the movement of waste from the tipping floor into the trailers, maintenance, and general housekeeping of the facility.

Recyclable materials, MSW, and C&D wastes are permitted for acceptance at the transfer station. Unacceptable wastes as described above will not be accepted. Other unacceptable wastes include pressurized containers that hold items like industrial oxygen, nitrogen or argon. These containers are acceptable as long as the valves have been removed and the container is at atmospheric pressure.

Loads that fail to meet the acceptable waste requirements will be rejected immediately, segregated on the tipping floor, documented, and reported in accordance with Waste Management and Solid Waste Section procedures as indicated in Attachment I – Waste Screening Program.

Under normal operations, collection trucks are weighed, refuse is emptied on the tipping floor, loaded into the transfer trucks, and then hauled to Sampson County Disposal.

4.5 Housekeeping/Vector Control Measures

The operator is responsible for the operations, maintenance, and general housekeeping of the facility. Extraneous solid waste will be swept and removed by broom and/or shovel during the operational day. Any extremely wet material will be removed by washing the area down with water, which is available via a hose bib in the transfer station. This wastewater will be collected via the LCS, temporarily stored in an AST, then pumped and hauled to a third-party wastewater treatment plant. The operator will ensure that any wind-blown debris is picked up routinely.

The tipping floor and transfer trailer loading area will be maintained in a clean, sanitary condition and will be cleaned at least daily. Waste will be deposited on the tipping floor or directly into a transfer container. Under normal operations, waste will not be stored on the tipping floor after operating hours for vector control.

Extreme situations such as a hurricane, tornado, or other disaster may require this operational condition to be waived. The Solid Waste Section will be notified in advance if such a situation arises.

Waste may be stored on-site, in leak resistant transfer trailers, with waterproof covers, a maximum of 24 hours except that a minimal amount of waste may be stored for a maximum of 72 hours when the facility is closed during a weekend or holiday.

At the end of each operational day, residual solid waste will be removed from the floor and placed in the transfer trailers. The site will be locked at the end of each operational day to control unauthorized use.

4.6 Safety/Security Considerations

The transfer station has emergency procedures posted at the facility. Fire extinguishers are placed strategically throughout the facility. Employees are trained in the use of the fire extinguishers. Brooms, shovels, and hoses are available for spills. Also present are emergency equipment such as phones and first aid kits.

Access to the site is controlled by a six-foot chain-link fence that surrounds the property, along with a locking gate to prevent/deter illegal dumping or scavenging during non-operating hours. The site will be locked at the end of each operational day to eliminate unauthorized use. Exterior lighting is present across the facility to prevent theft and vandalism.

4.7 Record Keeping

Tonnage amounts are maintained by county of origin at the scale house, and are reported on an annual basis to NC DEQ using the appropriate form.

Waste screening and inspection records, as well as training and permit documents, are maintained at the facility.

4.8 Materials Recovery

Waste Management holds a Corporate directive to maximize recycling, reuse, and diversion of recoverable materials from the waste stream. The Raleigh-Durham Transfer Station was permitted by NC DEQ (at that point DENR) to remove old corrugated cardboard (OCC) from the waste stream (*Mussler to Carroll*, April 6, 2011). The site has also received single stream recyclable materials for transport to a materials recovery facility (MRF). Under this most recent permit amendment, the facility provides the following operational procedures to expand collection of recoverable materials.

Recovered, reclaimed, or recycled material including but not limited to cardboard, metal, plastics, concrete, etc., may be separated and removed from the waste stream. During operational periods when recyclable material is removed from the waste stream, a transfer trailer or other appropriate container will be staged at the transfer station to only receive the recovered material(s). Target recyclable material will be loaded into the trailer or container using a loader, for example a skid steer or bobcat style machine. The material loaded into the recyclable trailer will not be significantly contaminated by putrescible waste, and will either be stored in the transfer station or inside an enclosed covered trailer/container. Recyclable material will not be stored onsite for a time period greater than one year based on North Carolina General Statute 130A-309.05(c). Records will be maintained onsite to document storage time.

Cardboard material may be compacted or bailed to decrease volume prior to shipping to an end user. If a bailer or compactor is placed at the transfer station bay, the site plan and/or diagram will be amended to reflect the location.

Other than the manual removal and temporary storage of target materials, no processing will occur at the facility. Currently*, the facility ships recovered/recyclable materials to the following:

Recycling Facility:

Waste Management Recycle America (WMRA)
Ryan Eshbach, Site Manager
1815 Capital Blvd.
Raleigh, NC 27604
Telephone: 919-930-0125
Email: **reshbach@wm.com**

*The recycling facility is subject to change, or other facilities may be added. If such a change occurs the new contact will be placed in the site's operating record and the DWM will be notified.

5.0 RANDOM INSPECTIONS AND EMPLOYEE TRAINING/CERTIFICATION

Inspections will be conducted and documented on a random basis per Waste Management of Carolinas, Inc. procedures (see **Attachment II**). Random inspections will be performed on front-end loaders, commercial rear-end loaders and roll-offs. There will be no less than four (4) random inspections conducted monthly. The random dates shall be no closer than one (1) day apart and no further than ten (10) days apart. The vehicles will be randomly inspected and not inspected consecutively.

Appropriate transfer station and operation personnel will be trained at least annually in a control program for unauthorized waste and the training will be documented.

Appropriate operators will attend NC DEQ-recognized Transfer Station Operations Specialist certification classes and maintain the certification along with continuing education credits if required. A certified operator will always be present at the transfer station during operating hours. The operator will be responsible for directing all traffic into and out of the transfer station. The operator will also be responsible for the movement of waste from the tipping floor into the trailers.

6.0 EMERGENCY RESPONSE/CONTINGENCY PROCEDURES AND EQUIPMENT

6.1 Contingency Operations

For special operations in case of loss of power, breakdown of loaders or breakdown of transfer trucks, contingency plans are in place. Natural light is sufficient for normal operations, so if there is a loss of power during the day, work does not stop. If a loader were to breakdown, new loaders can be rented until the other is repaired or a standby loader can be brought on-site. If the transfer truck breaks down, the trucking contractor has available sufficient numbers of replacement units so that no delays will result, or collection trucks may go directly to the landfill.

In the event of inclement winter weather, the facility will utilize the front-end loader to keep the entrance and turn around area free and clear of ice or snow. If conditions warrant, the facility will be closed to incoming traffic.

6.2 Fire Prevention

Open burning of waste is prohibited at the transfer station.

All trucks will be visually inspected for smoke at the scale house and at the tipping floor. In the event of a fire from a hot load in the transfer station, the building will be evacuated, and the scale house will be notified to prevent additional trucks from coming to the tipping area.

Operators will be trained in the use of fire extinguishers. In addition, standard garden type hose connections provided with municipal water are located in the transfer station near the tipping floor (the primary purpose of the hose connections is for floor wash downs). Based on the severity of the incident, properly trained site personnel will attempt to push the load outside the building with the front end loader, then attempt to extinguish the fire with the water hose or fire extinguishers located in the transfer station, or allow it to burn itself out.

In the event that the fire can't be controlled by site personnel, emergency response will be contacted (911). The City of Raleigh will provide first response for any fire situations that occur at the transfer station facility. Based on the location of nearest fire station, City of Raleigh Fire Station No. 24 which is approximately 0.7 mile from the facility, the response time from should be less than 10 minutes. The Town of Morrisville Police Department is located less than 10 miles from the site.

The existing operation includes routine emergency equipment such as phones, radios, and first aid kits.

Should a fire break out inside the premise of the transfer station, the Operator shall verbally notify the DWM (at 919-707-8200) within 24 hours of a fire incident, and a written report shall be submitted to DWM within 15 days following the fire occurrence. The written report describes the fire, the action taken to put off the fire, and approaches to prevent future occurrences. The standard form of a fire occurrence notification can be downloaded from the NC DEQ DWM web site.

6.3 Emergency Contacts

The emergency contacts for the Raleigh Durham Transfer Station are listed below:

Contact	Telephone Number
National Response Center	800-424-8802
Regional EPA Office	919-541-2258
NC DENR (manned 24/7)	800-858-0368
Fire Department	911
Police Department	911
WM District Manager	919-814-0149
WM Environmental Protection Manager	910-274-8869

7.0 SITE REQUIREMENTS AND FEATURES

7.1 Erosion/Dust Control

The erosion/dust control measures for the site include:

- Gravel filters around all stormwater inlets; and
- Areas not paved or graveled have been planted with grass to prevent erosion of cut and fill slopes, as well as to minimize fugitive dust emissions.

7.2 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. Stormwater is channeled to a retention pond located immediately to the east of the transfer station, then discharges through a downslope outfall (Outfall #1).

7.3 Wastewater Control

Domestic wastewater is discharged to the Town of Cary public owned treatment works (POTW). Wastewater from the tipping floor (leachate) is collected in sumps, temporarily stored in an onsite aboveground storage tank (AST), then is pumped and hauled to a permitted facility by a 3rd party hauler.

The leachate control features and discharge lines, as well as other site utilities, are illustrated in the attached **Figure 4.**

8.0 FINANCIAL ASSURANCE/CLOSURE COST ESTIMATE

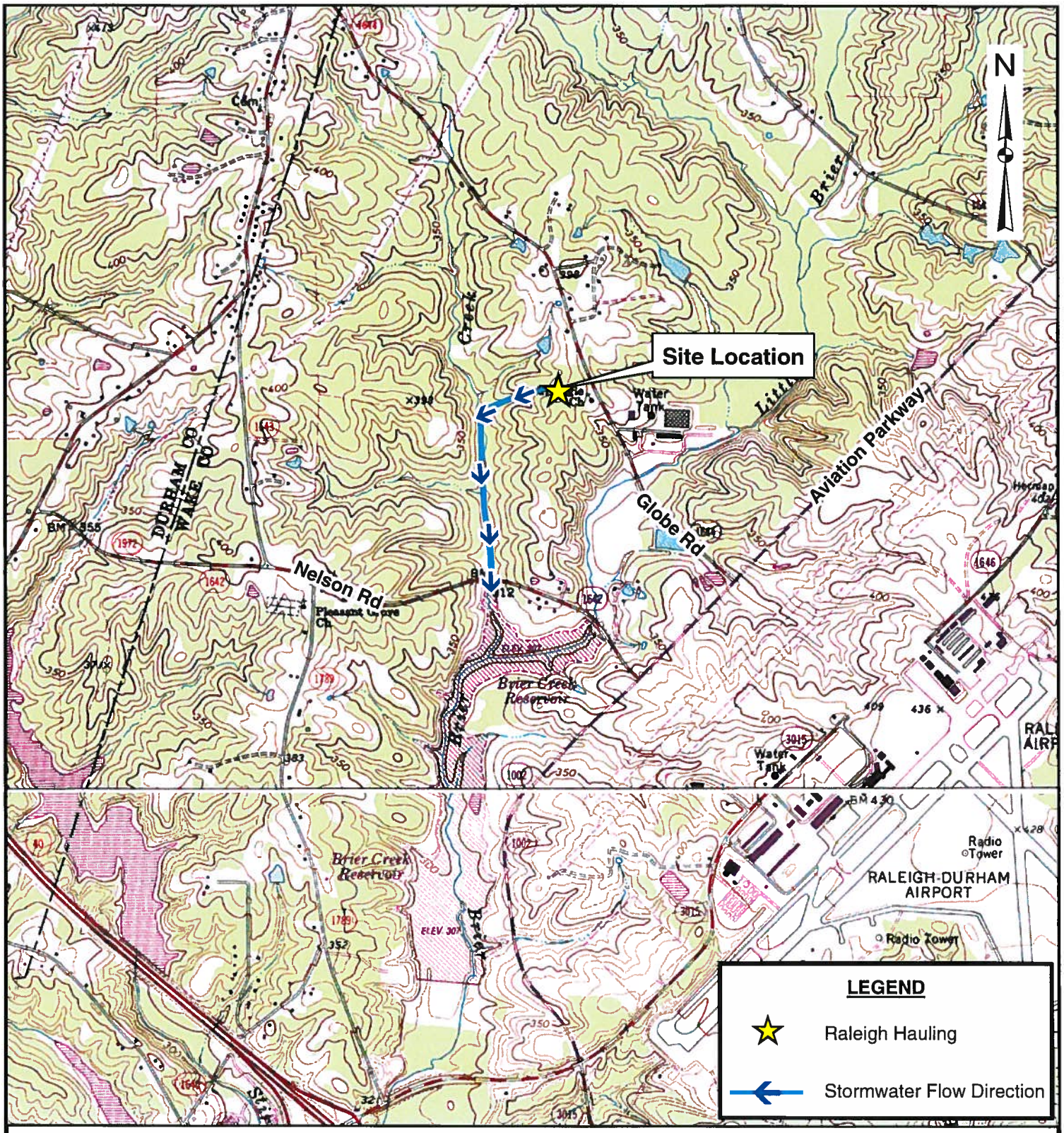
A cost estimate to hire a third party to remove, cleanup, haul and dispose of five days volume of waste is included in **Attachment III**.

9.0 SIGNATURE OF APPLICANT

The NC DEQ-required applicant signature page is included in **Attachment IV**.

(End)

FIGURES



Data Source: Adapted from Terrain Navigator Pro (Catherine Lake, 1980)
Storm Water discharges into Brier Creek, which is a 303d impaired water.
No TMDL are established in the watershed of Upper Crabtree Creek.

2,000 1,000 0 2,000 Feet

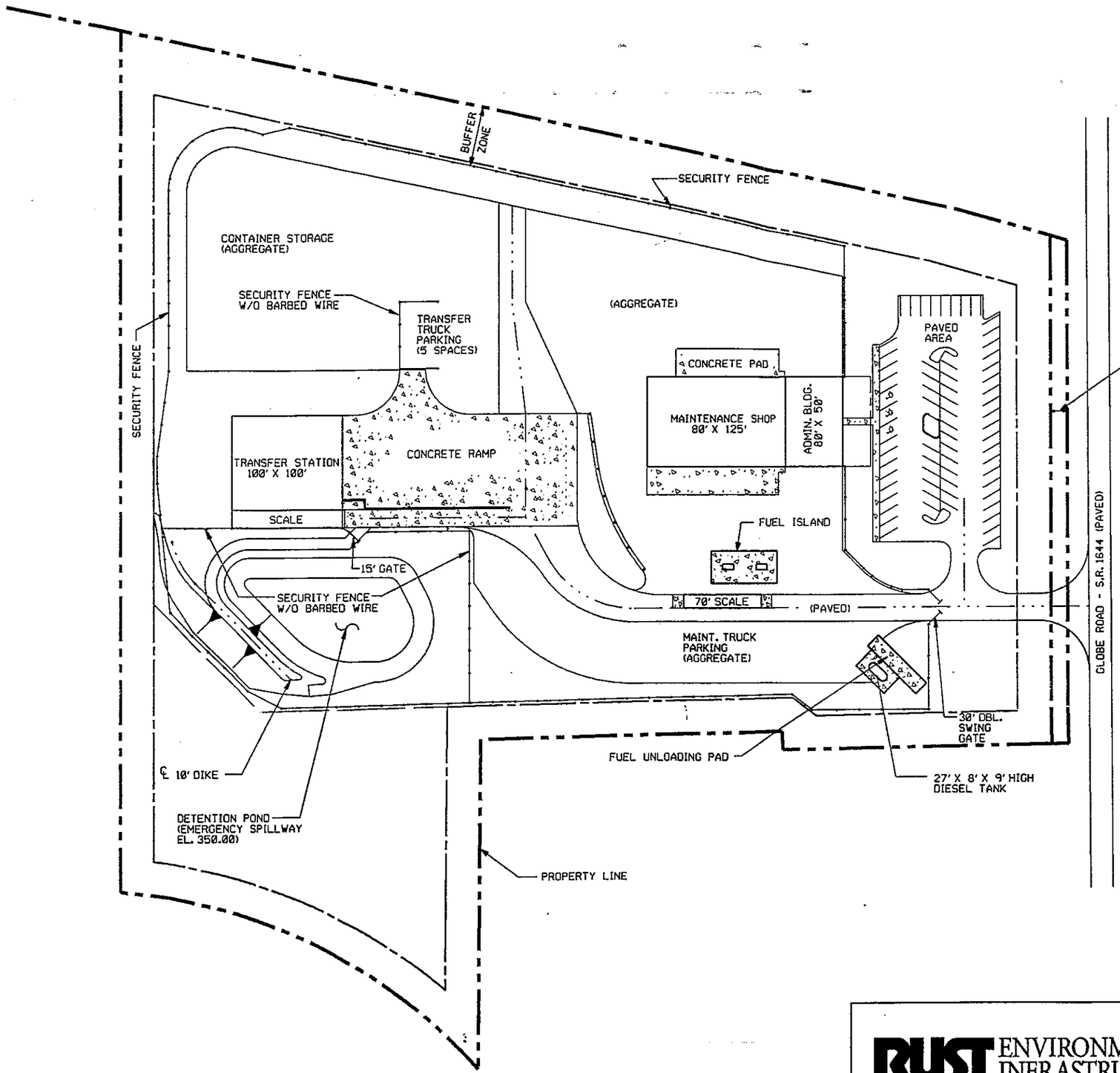
CATLIN Engineers and Scientists 220 Old Dairy Road Wilmington, NC 28405 Corporate Licensure No. for Engineering Services C-0585	PROJECT SWPPP RALEIGH HAULING 10411 GLOBE ROAD MORRISVILLE, N.C.		TITLE GENERAL LOCATION MAP		FIGURE 1
	JOB NO. 213036.07	DATE MAY 2013	SCALE AS SHOWN	DRAWN BY THW	CHECKED BY MEM

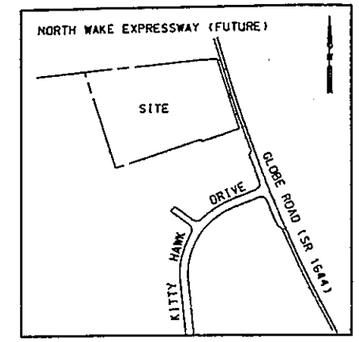
FIGURE 2
AERIAL WITH PROPERTY BOUNDARIES

RALEIGH DURHAM TRANSFER STATION
10411 GLOBE ROAD
MORRISVILLE, WAKE COUNTY, NC

LEGEND

Image obtained from Wake County GIS iMAPS 7/15/2015.
Not to scale.





VICINITY MAP

SCALE: 1" = 500'

NORTH

GRAPHIC SCALE

0 50' 100' 200'

RUST ENVIRONMENT & INFRASTRUCTURE

FIGURE 2

SITE PLAN

TRANSFER STATION & HAULING FACILITY

WASTE MANAGEMENT OF RALEIGH-DURHAM

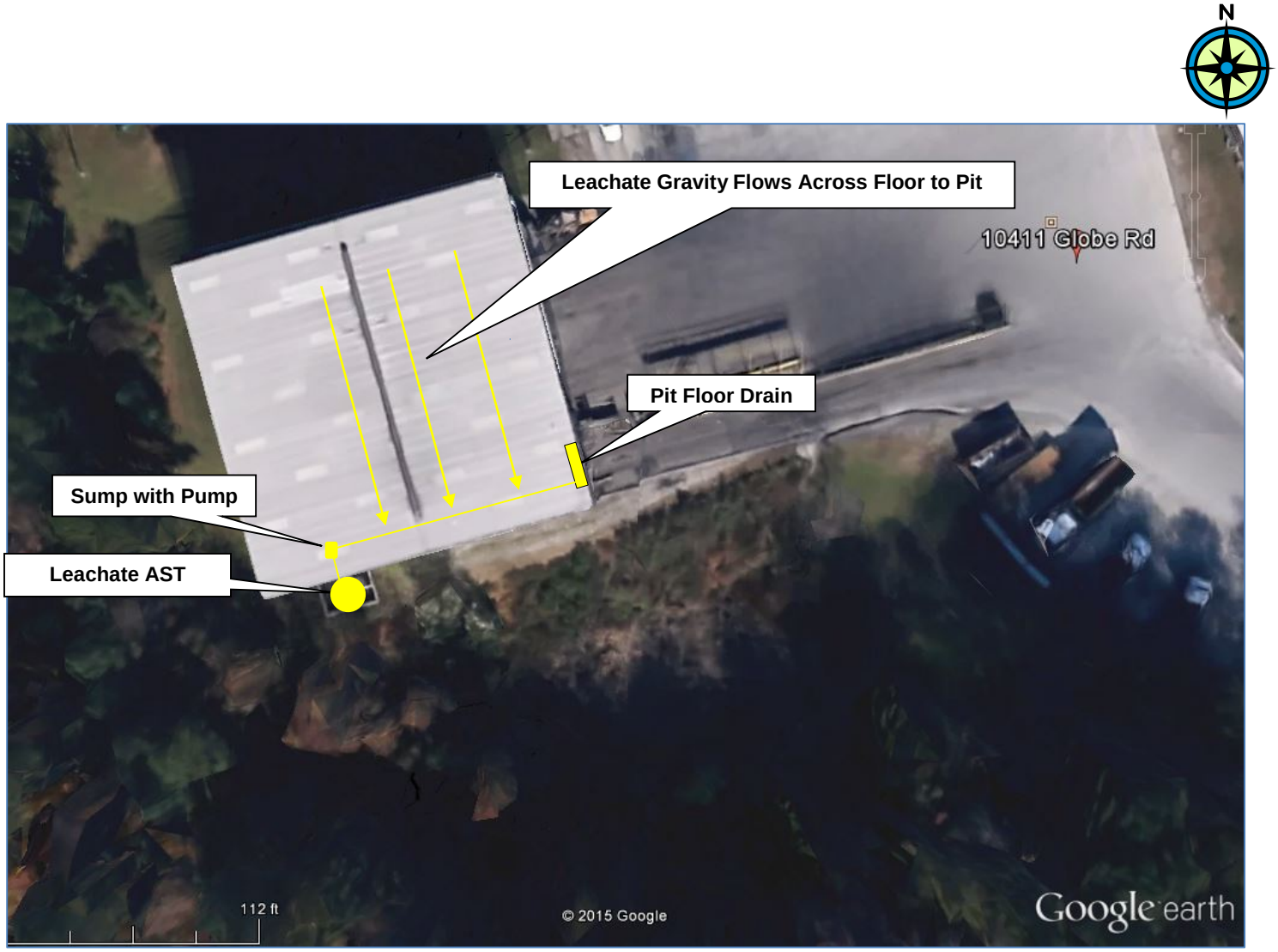
PROJECT NUMBER: 89942.300

CADFILE: SPCC-2

DATE PLOTTED: 12-19-94

FIGURE 4
LEACHATE COLLECTION SYSTEM

RALEIGH DURHAM TRANSFER STATION (PERMIT 392-15T)
10411 GLOBE ROAD
MORRISVILLE, WAKE COUNTY, NC



LEGEND

Image obtained from Wake County GIS iMaps 7/13/2015.
Not to scale.
Leachate is currently pumped from aboveground storage tank (AST) and hauled to HOH Corporation, 1701 Vargrave St., Winston Salem, NC.

ATTACHMENTS

ATTACHMENT I

WAKE COUNTY PROPERTY RECORD

Home

Wake County Real Estate Data
Account Summary

iMaps
Tax Bills

Account Search

Real Estate ID **0200662** PIN # **0758709100**

Location Address
10411 GLOBE RD

Property Description
LO16 WASTE MANGEMENT INC BM1993-1707

Pin/Parcel History New Search

NORTH CAROLINA Account | Buildings | Land | Deeds | Notes | Sales | Photos | Tax Bill | Map

For real estate accounts created or new construction built after January 1, 2015: Property values are under review for tax year 2016. Land and building values on these properties will reflect an assessment based on the January 1, 2008 Schedule of Values until late 2015 or early 2016 at which time the January 1, 2016 revaluation values for both land and buildings will be available.

Property Owner	Owner's Mailing Address	Property Location Address
WASTE MANAGEMENT OF CAROLINAS INC Use the Deeds tab above to view any additional owners	**PO BOX 1450** **CHICAGO IL 60690-1450**	**10411 GLOBE RD** **MORRISVILLE NC 27560-8546**

Administrative Data		**Transfer Information**		**Assessed Value**	
Old Map #	**318--**				
Map/Scale	**0758 04**	Deed Date	**12/30/1993**	Land Value Assessed	**$1,012,896**
VCS	**RPCA001**	Book & Page	**05948 0261**	Bldg. Value Assessed	**$1,500,386**
City	**CARY**	Revenue Stamps	**1272.00**		
Fire District		Pkg Sale Date			
Township	**CEDAR FORK**	Pkg Sale Price		Tax Relief	
Land Class	**INDUSTRL**	Land Sale Date	**12/30/1993**		
ETJ	**CA**	Land Sale Price	**$636,000**	Land Use Value	
Spec Dist(s)				Use Value Deferment	
Zoning	**ORD**	**Improvement Summary**		Historic Deferment	
History ID 1				Total Deferred Value	
History ID 2		Total Units	**0**		
Acreage	**12.00**	Recycle Units	**0**		
Permit Date	**8/7/2001**	Apt/SC Sqft		Use/Hist/Tax Relief	
Permit #	**0000003126**	Heated Area	**28,125**	Assessed	
				Total Value Assessed*	**$2,513,282**

*Wake County assessed building and land values reflect the market value as of January 1, 2008, which is the date of the last county-wide revaluation. Any inflation, deflation or other economic changes occurring after this date does not affect the assessed value of the property and cannot be lawfully considered when reviewing the value for adjustment.

The January 1, 2008 values will remain in effect until the next county-wide revaluation, which begins January 1, 2016. Until that time, any real estate accounts created or new construction built is assessed according to the 2008 Schedule of Values.

For questions regarding the information displayed on this site, please contact the Revenue Department at RevHelp@wakegov.com or call 919-856-5400.

Home

Wake County Real Estate Data
Land Valuation

iMaps
Tax Bills

Real Estate ID **0200662** PIN # **0758709100**

Account Search

Location Address
10411 GLOBE RD

Property Description
LO16 WASTE MANGEMENT INC BM1993-1707

Pin/Parcel History New Search

Account | Buildings | Land | Deeds | Notes | Sales | Photos | Tax Bill | Map

For real estate accounts created or new construction built after January 1, 2015: Property values are under review for tax year 2016. Land and building values on these properties will reflect an assessment based on the January 1, 2008 Schedule of Values until late 2015 or early 2016 at which time the January 1, 2016 revaluation values for both land and buildings will be available.

Land Class	**INDUSTRL**	Deeded Acres	**12.00**	Farm Use Year	
Soil Class	**5**	Calculated Acres		Farm Use Flag	

Land Value Detail - Market

Sch	ETJ	Zoning	Description	Units	Rate	Cnd%	Reason	Inf%	Reason	Value
5	**CA**	**ORD**	**BSITE1**	**60,000**	**$3.00**					**$180,000**
5	**CA**	**ORD**	**BALANCE**	**310,260**	**$3.00**	**60**	**SIZE**			**$558,468**
5	**CA**	**ORD**	**BALANCE**	**152,460**	**$3.00**	**60**	**SIZE**			**$274,428**
									Total Land Value Assessed	**$1,012,896**

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Home

Wake County Real Estate Data
Ownership History

iMaps
Tax Bills

Real Estate ID **0200662** PIN # **0758709100**

Account Search

Location Address
10411 GLOBE RD

Property Description
LO16 WASTE MANGEMENT INC BM1993-1707

Pin/Parcel History New Search

Account | Buildings | Land | Deeds | Notes | Sales | Photos | Tax Bill | Map

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	Owner Name	Type	% Own	Stamps	Book	Page	Date
Current	**WASTE MANAGEMENT OF CAROLINAS INC**		**ALL**	**1272.00**	**05948**	**0261**	**12-30-1993**
1 Back	**BUNA BOUW ASSOC LMTD PRTNSHP**		**ALL**		**04621**	**0699**	**12-20-1989**

*Wake County assessed building and land values reflect the market value as of January 1, 2008, which is the date of the last county-wide revaluation. Any inflation, deflation or other economic changes occurring after this date does not affect the assessed value of the property and cannot be lawfully considered when reviewing the value for adjustment.

The January 1, 2008 values will remain in effect until the next county-wide revaluation, which begins January 1, 2016. Until that time, any real estate accounts created or new construction built is assessed according to the 2008 Schedule of Values.

For questions regarding the information displayed on this site, please contact the Revenue Department at RevHelp@wakegov.com or call 919-856-5400.

ATTACHMENT II

WASTE SCREENING PROGRAM

Control Program for Unauthorized Waste

Raleigh Durham Transfer Station
10411 Globe Road
Morrisville, NC 27560

Revised April 2016

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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 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. **WM 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. **<u>CHOOSING A VEHICLE TO INSPECT</u>**
   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. **<u>CHOOSING A LOCATION FOR THE INSPECTION</u>**
   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 NC DEQ Division of Waste Management (919-707-8200) within 24 hours of attempted unacceptable waste disposal.

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. <u>VEHICLES TO INSPECT</u>
Front-end loaders, commercial rear-end loaders, and roll-offs are typical vehicles that will be inspected during the random inspection procedure.

2. <u>FREQUENCY OF INSPECTIONS</u>
No less than four (4) random inspections will occur monthly at the Raleigh Durham Transfer Station (TFS).

3. <u>INSPECTION DATES</u>
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.

<u>REGULATED WASTE CONTAINMENT, TRANSPORTATION AND DISPOSAL</u>

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. <u>TRAINING</u>

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 and Route Managers;
b. Transfer Station Operator;
c. Gate Checkers;
d. Equipment Operators.

2. <u>INSTRUCTION</u>

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. <u>PERSONAL PROTECTIVE EQUIPMENT (PPE)</u>

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. WM or contractor-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 small radioactive waste. Radioactive waste generally comes from hospitals and some mining sites.

6. Other Unacceptable Waste Types

A. Pressurized Containers

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

B. Non-WM 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 WM approval prior to disposal at a WM landfill.

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

C. Any other items banned from disposal in North Carolina landfills. For a complete list refer to the NC DEQ's Solid Waste Section web page.

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

ATTACHMENT 1

Inspection Log

Date	Time	Inspector	Transporter

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 III

CLOSURE COST ESTIMATE

COST ESTIMATE WORK SHEET FOR CLOSURE
OF
RALEIGH DURHAM TRANSFER STATION (PERMIT #92-15T)

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 (250 tons)**	
	- Mobilization/ demobilization of front end loader	**$250.00**
	- Loading; Front end loader w/ operator (24 hrs @110.00/hr)	**$2,640.00**
	- Hauling; 250 tons, 11 loads @ $550.00/load	**$6,050.00**
	- Disposal; 250 tons @ $33.00/ ton	**$8,250.00**
7.	**Leachate Disposal (Town of Cary. POTW)**	
	a. 3,150 gallons generated from cleaning facility	
	b. Wastewater disposal @.40/gallon	**$1,260.00**
	Subtotal	**$26,180.00**
10 %	**Contingency**	**$2,618.00**
5%	**Administrative**	**$1,309.00**
	TOTAL	**$30,107.00**

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

- **There is approximately 250 tons of waste in the transfer station to be disposed of after three days (most allowed by permit and Operations Plan).**

ATTACHMENT IV

SIGNATURE PAGE

Signature page of applicant –

Name of facility: Waste Management of Carolinas, Inc. – Raleigh Transfer Station

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	James Woodard Print Name	9.27.15 Date

District Manager
Title

Waste Management of Carolinas, Inc. – Raleigh Transfer Station
Business or organization name