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## Operations Manual

City of Durham Transfer Station  
2115 East Club Blvd.  
Durham, North Carolina

<p style="text-align: center;"><b>APPROVED</b></p> <p style="text-align: center;">DIVISION OF WASTE MANAGEMENT SOLID WASTE SECTION</p> <p>Date <u>01/19/2016</u> By <u>Patricia M. Backus</u></p> <p style="text-align: center;"><b>DIN <u>25411</u></b></p> <p style="text-align: center;">Attachment <u>1</u> Part <u>VI</u> Document <u>5</u> Permit <u>3212-TRANSFER-2014</u> Permit DIN <u>25412</u></p>
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Prepared for:

The City of Durham Solid Waste Services  
Durham, North Carolina



December, 2015

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## **1.0 INTRODUCTION**

### **1.1 PURPOSE**

This Operations Plan for the City of Durham Transfer Station, located within the City's Waste Disposal & Recycling Center, presents general guidance for facility operations. This plan has been prepared in accordance with the North Carolina Solid Waste Rules 15A NCAC 13B .0402, Operational Requirements for Transfer Facilities. The Operational Plan will address the following issues:

- Destination of Waste
- Facility Operations
- Drainage Control and Water Protection
- Disease and Vector Control
- Sign and Safety Requirements
- Access and Security Requirements
- Facility Inspections

All personnel involved with the management or supervision of the operations will be required to review this document and to maintain the facility in accordance with all applicable laws and requirements. A copy of this document shall be kept on file at the Transfer Station scale house at all times.

### **1.2 FACILITY LOCATION**

The Transfer Station is located on the premises of the City's Waste Disposal & Recycling Center which is within the Corporate Limits of the City of Durham in Durham County at the intersection of East Club Boulevard and Camden Avenue. The address for transfer facility is 2115 East Club Boulevard. Durham, North Carolina 27704.

Interstate 85, Exit 179, is located approximately 0.3 mile east on East Club Boulevard from the Transfer Station entrance. The Transfer Station property has been zoned by the City of Durham as I-2 (light industrial) which is suitable for the development of public facilities, which include solid waste Transfer Stations.

### **1.3 FACILITY DESCRIPTION**

The City of Durham Waste Disposal & Recycling Center combines several operations into one facility. The site contains a scale house at the entrance, a citizen's drop off area, a household hazardous waste collection facility, a yard waste collection area and two transfer buildings. The scale house attendant coordinates where on the site incoming traffic is directed.

All inbound traffic must cross the scales. Two inbound scales allow for easier and more efficient movement of inbound traffic. Residents and small vehicles are directed to the citizen's drop off area and large commercial collection vehicles are directed to one of the two transfer station buildings.

The original Transfer Station Building #1 will potentially be used for several operations including, recyclable material transfer, and yard waste transfer depending upon the needs of the City. In the event of a problem with building # 2, this building may also be re-tasked to handle MSW. The operational procedures for each material are covered in Section 9 of this plan.

The second Transfer Station Building # 2, located to the east of the original Transfer Station Building # 1, will be used for the transfer of Municipal Solid Waste and Recycling materials.

Descriptions of both buildings are below.

### **1.3.1– Building #1**

The building #1 is a four bay pre-engineered metal building that provides a covered tipping floor area. A full grade separation loading tunnel is located along the northern side of the building while the entrance to the tipping floor is on the south side of the building. The facility was formerly serviced by a pre-load compactor on the west side of the loading pit and open top loading on the trailers on the east side. The June 2013 revision to the Operations Plan removed the pre-load compactor from operation. It is intended that all material will be handled by open top loading on both sides of the loading pit. In the event two different materials are being handled simultaneously, barriers such as concrete bin blocks or “jersey barriers” will be used to physically separate the two materials.

A concrete apron provides access to the south side of the Transfer Station, which opens to the approximate 7,200 square foot tipping floor. The loading tunnel is located along the northern end of the tipping floor approximately 14 feet below the tipping floor elevation.

Both the tipping floor and loading bay are equipped with drains to capture any leachate or wash water generated in the Transfer Station. These drains are located along the entrances to the tipping floor and in the lower level loading bay floor. Leachate and small solids are trapped by the oil water separator which is periodically pumped empty by a hazardous waste contractor and disposed of appropriately.

### **1.3.2 – Building #2**

The building #2 is a 15,000 square foot, pre-engineered metal building with a tipping floor and two loading pits. This facility is a partial grade separation, or lift and load type of Transfer Station. The traffic enters the building from the south side. Waste is dumped onto the tipping floor and is either moved to the rear storage areas of the building or immediately loaded into trailers. The loading pits are located on both the east and west sides of the building and are 8 feet below the tipping floor. A four foot tall concrete “lift-over” wall separates the tipping floor from the loading pit and provides a barrier to keep the loader from damaging the transfer trailer. The storage areas are located along the north side of the building and incorporate a 10 foot tall concrete “push” wall. This wall provides vertical storage, building protection and a reaction barrier for the loader when picking up stored MSW to load into the trailer.

Leachate in this building is directed to the loading pits by floor slope. Scupper holes in each lift-over wall allow leachate to drain from the tipping floor to the pit. Sumps located in each pit collect the leachate

and direct it by gravity to an oil water separator and then to the City of Durham sewer system. The oil water separators will be maintained regularly as required by the City Permit.

### **1.3.3 Other Facilities within the Waste Disposal and Recycling Center**

A drop-off convenience center which accepts recycling, white goods, tires, antifreeze, motor oil, and trash from residents also located on the same property. Forty cubic-yard open top containers are used to accept MSW from customers in small vehicles that should not be directed to the tipping floor for safety reasons.

A vicinity map is included as Figure 1. A site plan is included as Figure 2. Schematic floor plans of each building are included as Figures 3 and 4.

### **1.3.4 Facilities Contacts**

The City is the owner and permit holder of the Waste Disposal and Recycling Center and Transfer Stations. As of July 1, 2013, the City contracts with Waste Industries to operate the Transfer Stations; they subcontract the daily operation to Hilco Transport, Inc. (Hilco). The contract term begins on July 1, 2013 and lasts for ten years (June 30, 2023). The primary contacts for operation of this facility are:

Donald Long, Director  
Solid Waste Management Department  
City of Durham, 101 City Hall Plaza, Durham, North Carolina 27701  
Phone :( 919) 560-4186 ext. 32222 Fax (919) 560-1132  
[Email: donald.long@durhamnc.gov](mailto:donald.long@durhamnc.gov)

Bruce Woody, Solid Waste Disposal Manager  
Solid Waste Management Department  
City of Durham, 101 City Hall Plaza, Durham NC 27701  
W:(919) 560-4186 ext. 32253 M:(919) 452-5919 F:(919)560-1197  
[Email: bruce.woody@durhamnc.gov](mailto:bruce.woody@durhamnc.gov)

Bill Davidson, General Manager  
Waste Industries, 148 Stone Park Court, Durham, NC 27703  
W:(919) 596-1363 F:(919) 598-1852  
[Email: william.davidson@wasteindustries.com](mailto:william.davidson@wasteindustries.com)

Chuck Jones,  
Hilco Transport, Inc., 7700 Kenmont Rd.  
PO Box 35049, Greensboro, NC 27425  
W:(336) 273-9441 M:(336) 273-9701  
[Email: cjones@hilcotransport.com](mailto:cjones@hilcotransport.com)

## **2.0 WASTE ACCEPTANCE CRITERIA**

In accordance with 15A NCAC 13B .0402(1), a transfer facility shall only accept those wastes which it is permitted to receive. The Transfer Station will accept municipal solid waste (MSW) (i.e., residential, commercial, and industrial waste), recyclable materials and yard waste.

### **2.1 SERVICE AREA**

The Waste Disposal Facility will accept waste generated in the following counties:

- Durham
- Chatham
- Granville
- Orange
- Person
- Wake

### **2.2 NON-COMMERCIAL WASTES**

Passenger vehicles and pickup trucks lacking an automated dumping capability will be directed by scale house personnel to the appropriate areas at the convenience center for unloading.

Residents bringing recyclable items, motor oil, anti-freeze, cooking oil, white goods, and tires will be directed to the convenience center. Attendants will then direct them to the proper bays or bins.

Residents with reusable items will be directed to the Swap Shop. Examples of reusable items are small appliances, bicycles, cookware, fans, and radios. All items must be clean and in working order.

Customers with non-recyclable/non-reusable items (trash) will be directed to cross the scales. The resident will leave a small deposit and then travel to the unloading area. An attendant will ask what is being delivered. The customer will then be directed to the appropriate disposal location, depending on the type of trash they are disposing. The residents must unload their own trash. Once the waste is unloaded, the customer goes back over the scales to calculate the tare weight. The customer could possibly owe additional fees, depending on how heavy the load was.

Municipal solid waste and recyclable materials collected at the Convenience Center will be hauled by the City Staff to the appropriate Transfer Station building for transfer and disposal. Materials collected at the Convenience Center which are not allowed in the Transfer Stations will be disposed of properly.

### **2.3 COMMERCIAL WASTE**

The Transfer Stations have been designed to handle an average tonnage rate of 650 tons per day and a peak rate of 1,100 tons per day. The daily tonnage rate is subject to change due to fluctuations in the amount of waste delivered to the facility on any given day and seasonal fluctuations. The expected

annual tonnage for the facility is about 124,000 tons of MSW. However, the City reserves the right to accept up to 200,000 tons per year without further approval.

Incoming waste to the Transfer Station originates from public and private collection vehicles. The public and private waste collection vehicles consist of rear, front, and side loader truck types, as well as dump body vehicles. Industrial and commercial waste will also be transported to the facility by private waste haulers.

Easily retrievable recyclable items such as white goods, tires, or televisions/computers may be removed from the tipping floor if they were inadvertently brought in with a load of MSW. However, no small recyclable items will be separated from putrescible garbage on the tipping floor.

Where recyclable materials are brought in the form of comingled collected recyclables, they will be handled in the original Transfer Station, separate from MSW to minimize contamination.

## **2.4 PROHIBITED WASTES**

The following wastes will not be accepted at the Waste Disposal and Recycling Center:

- Infectious waste,
- Medical waste,
- Radioactive waste
- Industrial wastewater sludge,
- Drums or barrels unless empty and perforated sufficiently
- Asbestos,
- Commercial animal waste (i.e. animal shelter waste),
- Oyster shells
- Hazardous waste as defined by 15A NCAC 13A .0101(11), including hazardous waste from conditionally exempt small quantity generators.
- Polychlorinated biphenyls (PCB) wastes as defined in 40 CFR 761 with the exception of trace amounts found in materials such as consumer electronics.
- Bulk or non-containerized liquid wastes unless the waste is household waste other than septic waste and waste oil. A liquid determination will be performed by the standard Paint Filter test.

The following wastes will be accepted at the Public Convenience Center to be handled outside of the Transfer Station operation.

- Whole Scrap Tires,
- Used Oil,
- White Goods,
- Lead Acid Batteries,
- Discarded e-waste
- Rigid plastic containers
- Aluminum cans

In the event a hauler attempts to deliver waste which the Waste Disposal and Recycling Center is not permitted to receive, the hauler will be stopped and be directed to the appropriate disposal facilities. In the event that prohibited waste is inadvertently discharged at the Transfer Station, operating personnel will isolate the waste within the Transfer Station building. Site operators will receive periodic training on the identification and handling of prohibited wastes. A licensed waste disposal contractor will be brought in to remove and properly dispose of the prohibited waste.

The City will prepare a report for any attempted delivery of waste which the Waste Disposal and Recycling Center is not permitted to receive, including waste from outside the permitted Transfer Station service area. The report will be forwarded by the City to:

**Department of Environmental Quality (DEQ)**

**Division of Waste Management**

**Solid Waste Section**

**1646 Mail Service Center**

**Raleigh, NC 27699-1646**

**919-707-8200**

## **3.0 TRANSFER STATION OPERATIONS**

### **3.1 OPERATING HOURS**

The facility will typically receive waste Monday through Friday from 7:30 am to 4:30 pm and Saturday between 7:30 am and 12:00 pm. The facility will typically be closed on Sundays and designated holidays. However, maintenance may be conducted during times that the facility is closed for waste acceptance. A sign will be posted at the entrance to the Transfer Station identifying the hours of operation.

### **3.2 EQUIPMENT**

Since the facility is a transfer facility and not a final disposal destination, the only equipment required for the safe and effective operation are rubber tire front-end loaders, transfer trailers, and scales.

Additional or different equipment may be used to facilitate loading operations when the primary equipment experiences downtime. A contractor working for the City (Operator) will provide primary equipment, backup equipment, and equipment maintenance. The Operator will also provide transfer vehicles, transport the waste, and provide the maintenance of the transfer vehicles and all operation equipment connected with the Transfer Station.

### **3.3 WASTE HANDLING**

Waste collection vehicles delivering waste for transfer will enter the facility from East Club Boulevard and proceed along the entrance road to the scale to be inspected and weighed. Identification information with tare weights recorded on user vehicles will be maintained in the scale house for City vehicles and account customers. Trucks without identification information on file will be re-weighed for tare weight prior to exiting the facility. Authorized vehicles, after being weighed, will proceed along the access road to the appropriate Transfer Station building.

The Operator will then direct vehicles waiting to unload to back into the appropriate facility onto the tipping floor utilizing the building entrance located on the south side of the respective building. The procedure is the same for each building and is as follows:

The vehicles then back onto the tipping floor to an area designated by the Operator. Once the vehicle is in position, the waste load is discharged directly onto the tipping floor and an employee conducts a visual screening of the waste materials. After the collection vehicles exit the Transfer Station building, a front-end loader is utilized to either load the waste directly into the trailer or the push the waste against the push wall in the storage area. Temporarily stored waste is then taken from the pile near the push wall and loaded into the top load trailer in the loading pit. During peak hours, an additional front-end loader can be utilized to manage the waste and keep all traffic areas clear. The front-end loader operator will attempt to mix the waste loads to distribute the various types of wastes received throughout the loads to achieve better compaction of the material and optimal transportation weight in each trailer.

Once the trailer has been filled, it is removed from the respective loading pit and is staged in the gravel area to the northwest of the Transfer Station buildings. The waste is then transported to an appropriate off-site permitted disposal facility. The primary disposal site for MSW is Sampson County Disposal, in Roseboro, NC, permit # 82-02. The City has also designated the Uwharrie Environmental Landfill in Mt, Gilead, NC, permit # 62-04-MSWLF, and the Brunswick Landfill located in Lawrenceville, VA. as alternate MSW disposal locations. Other MSW landfills with acceptable service area may also be used. NCDEQ will be notified if the final disposal destination changes in the future.

Recyclable materials will be hauled to a permitted processing facility. Currently, the City is utilizing the SONOCO facility in Raleigh, North Carolina. Other facilities may be used based upon waste stream, hauling cost and commodity prices.

The weight of the trailers will be recorded at the permitted disposal facility. All data from the permitted facility will be provided to the City for its records. The data will then be compiled into an annual written report by the City to be submitted to NCDEQ.

### **3.4 BACK-UP OPERATIONS**

Equipment breakdown will be mediated by bringing in loaders from other locations which may include rentals. The City may allow the contract use of its loaders in times of emergency.

### **3.5 INSPECTION OF WASTES**

Access to the facility is controlled by the scale operator(s) located along the entrance way to the facility. All waste entering the facility must pass the scale house prior to entering the transfer building. Scale house operators ask customers what type of materials they are bringing. Any unacceptable loads are documented and alternative disposal centers are suggested.

Passenger vehicles and light trucks are directed to the convenience center or yard waste transfer area. Staff will make a visual inspection of waste to ensure that no improper materials are being disposed of.

Vehicles with automated dumping capabilities are directed to the tipping floor. As waste is deposited onto the tipping floor, the operator will conduct a visual screening of the waste materials. Should unacceptable waste be found, the driver of the vehicle will be instructed to terminate dumping and the unacceptable material will be segregated from the acceptable material and managed as necessary.

Should a hauler consistently deliver unacceptable material, they will be denied further access to the Transfer Station, and the local office of NCDEQ will be notified so that appropriate investigations can occur.

Random waste screening will also be practiced by the operator. A minimum of 1% of all incoming loads, with a minimum of one load, are to be screened each day by the Operator. A copy of the inspection form is located at the end of this document. Records of all waste screening loads are maintained in the Operator's office.

### **3.6 TRAFFIC CONTROL**

Access to the Transfer Station is controlled by the scale operator. All collection vehicles arriving at the facility are directed to the appropriate tipping floor or convenience center by the scale operator after their weight is recorded. Each truck is directed by the loader operator at the tipping floor to a location the operator desires. After unloading their waste, those vehicles that do not have tare weights previously recorded are required to re-enter the scales and be re-weighed to establish a tare weight.

### **3.7 SANITATION PLAN**

The Transfer Stations, convenience center, scale house, and grounds, will be kept in a manner that is conducive with providing a safe working environment at all times. Trash cans and roll-off containers will be emptied on a regular basis.

#### **3.7.1 Tipping floors & Trailer Loading Areas**

Each loader is equipped with a rubber edge to limit wear and tear on the concrete tipping floor during normal operations. This rubber edge will also act as a squeegee to scrape the floor clean at the end of the day. The tipping floors will be cleared of wastes at the end of each working day. The loading area for the open-top trailers is cleaned on an as needed basis and at least once per day. Debris from the trench drains in the original Transfer Station will be removed monthly, or as needed. The sumps in the MSW Transfer Station will be cleaned as needed about at least once per month. The fans in each building are cleaned annually or as needed.

#### **3.7.2 Litter control**

All incoming waste vehicles are required to have their loads covered upon arrival at the facility. Outbound transfer trailers are also required to cover their loads. This practice will help minimize the amount of litter at the facility. Throughout the day, and at the end of each day, facility personnel will police the area for windborne litter. Any litter discovered at the end of the operating day will be stored in an onsite dumpster for disposal the next day.

#### **3.7.3 Convenience center and roll-off area pads**

The Convenience center and roll-off area pads are swept by attendants during lulls in customer arrival.

#### **3.7.4 Odor control**

Odors are controlled by prompt unloading and transfer of all delivered waste at the Transfer Station. The open bay design also promotes fresh air exchange. Under normal operating conditions, odors are not expected to pose a problem.

#### **4.0 DRAINAGE CONTROL AND WATER PROTECTION REQUIREMENTS**

The Transfer Stations will be operated so as to prevent stagnate water from coming in contact with discharged waste and to contain and properly discharge collected leachate.

The Transfer Station buildings will be emptied and swept at the end of each operating day. The MSW facility floor will also be washed down with water at least three times per week. The leachate collection systems of each building will properly collect any wash water/leachate generated from the incoming trucks, and minimize areas of stagnate water within the Transfer Station. The leachate systems of both buildings incorporate oil / water separators and are directly connected to the City of Durham sanitary sewer system.

#### **5.0 DISEASE AND VECTOR CONTROL**

The Transfer Stations shall provide effective vector control measures for the protection of human health and the environment. Disease vectors are defined as any rodent, flies, mosquitoes, or other animals, including insects, capable of transmitting disease to humans.

Control of disease vectors will be maintained by implementation of a cleaning program, which involves removal of waste, leachate, and wash water from all operating areas. The removal of waste at the end of each operating day will protect against migration of vectors into and from the Transfer Station buildings. Stagnant ponded water shall be prevented from occurring to control mosquito breeding. If problems controlling disease vectors occur, a licensed exterminator shall be utilized to control the vectors.

## **6.0 SIGN AND SAFETY REQUIREMENTS**

### **6.1 SIGN REQUIREMENTS**

The Transfer Stations shall post signs at the Transfer Station entrance indicating operational procedures, hours of operation, and the permit number. Signs shall be clearly posted stating that no hazardous or liquid waste can be received. Traffic signs and markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge areas and to maintain efficient operating conditions.

### **6.2 OPEN BURNING OF WASTE**

Open burning of waste shall be prohibited at the Transfer Station.

### **6.3 FIRE PROTECTION EQUIPMENT**

Fire suppression equipment shall be provided to control accidental fires and arrangements shall be made with the local fire protection agency to immediately provide fire-fighting services when needed. The Transfer Station buildings will be equipped with an appropriate number of fire extinguishers to effectively control small, accidental fires as well as on-site firefighting hose connected to a direct water supply. Local fire departments will be notified when needed.

### **6.4 NOTIFICATION OF FIRE**

Fires that occur at the Transfer Station require verbal notice to the Division of Waste Management within 24 hours and written notification shall be submitted within 15 days. Verbal and written notification shall be submitted to the Raleigh Regional Waste Management Specialist:

**Department of Environmental Quality  
Division of Waste Management  
Solid Waste Section  
Senior Environmental Specialist for Durham County  
1646 Mail Service Center  
Raleigh, NC 27699-1646  
919-707-8200**

The fire notification form is located on the NCDEQ Solid Waste Section Website at the following address:  
**[portal.NCDEQ.org/web/wm/sw/forms](http://portal.NCDEQ.org/web/wm/sw/forms).**

## **7.0 ACCESS AND SECURITY REQUIREMENTS**

### **7.1 TRANSFER STATION ACCESS AND SECURITY**

The facility must be secured by means of gates, chains, berms, fences, and other security measures approved by the Division of Waste Management to prevent unauthorized entry. All vehicles delivering waste to the Transfer Station will enter and exit through the existing access control gate. Unauthorized vehicle access to the facility is prevented by a chain-link fence surrounding the Transfer Station property.

### **7.2 ATTENDANT**

The facility will have a full-time scale operator located in the scale house during operating hours. In addition, a Transfer Station attendant will be at the facility at all times during operating hours. Both the scale operator and Transfer Station attendant will be responsible for verifying that all vehicles comply with the permitted operational requirements.

### **7.3 ACCESS ROAD**

The access roads for the facility will be constructed of an all-weather surface (asphalt, concrete, or graded aggregate) and shall be maintained in good condition. Potholes, ruts, and debris on the roads shall receive immediate attention in order to avoid damage to the vehicles. Access roads will be re-graded as necessary to maintain a positive slope for adequate drainage. Since collections and transfer vehicles travel at low speeds within the facility dust generation is not expected to pose a problem.

## **8.0 FACILITY INSPECTIONS**

There will be regular inspections conducted at the Transfer Station. Inspections will be conducted by City personnel who are trained and familiar with the operations of the facility. Items that will be inspected monthly will include, but not be limited to the following:

- transfer trailers & roll-off containers
- tipping floor & push wall
- fire extinguisher and fire hose
- electrical controls
- water lines
- trench drains
- oil water separator

## **9.0 RECYCLING AND OTHER OPERATIONS**

### **9.1 RECYCLABLE MATERIAL HANDLING**

The Building #1 will be used primarily to receive curbside and commercially collected yard waste material. The yard waste material collected will be transported to the Compost/ Yard Waste facility (permit 32-04 Compost-1991) located in the rear of the Waste Disposal Center for processing by the yard waste vendor (wood waste processing). All MSW and recyclable material will be handled in Building #2 located immediately to the east of Building #1.

The City collects curbside residential recycling on a regular Monday through Thursday schedule from approximately 7:00 am to 5:00 pm. Collection schedule adjustments will be made as necessary to account for holidays, peak collections, equipment breakdowns, staffing issues, and other unforeseen circumstances. Commercial haulers also collect curbside and commercial recyclables throughout the week.

Trucks hauling collected recyclable materials will come to the facility and cross the scales to be weighed. They will then proceed to the tipping floor of the original Transfer Station to dump. This material will be loaded into open top trailers or temporarily stored on the tipping floor. All materials stored on the tipping floor will be loaded into open top trailers by the end of each working day except under extreme circumstances.

### **9.2 RECYCLABLE MATERIAL TONNAGE**

The City of Durham expects to receive 12,000 -15,000 tons of recycling each year. Because of the lower compaction rates necessary with recycling and the low weight of many recyclable materials in

comparison to their volume, more trailers will be required to haul these materials than MSW. The City will contract with a hauler to provide sufficient equipment to properly operate the facility.

### **9.3 CONTAMINATED RECYCLABLE MATERIAL LOADS**

Loads will come from residential recycling routes. Recycling loads may contain small amounts of household garbage mixed with the recycling. After each recycling load is dumped on the floor, the truck driver and the facility Operator will conduct a visual inspection of the load. If the garbage contamination is less than 20%, all materials will be stored for loading into trailers for transport to a material reclamation facility (MRF). The MRF will be responsible for sorting the garbage from the recycling as part of their normal processing system. Our agreement with the MRF contractor will have guidelines to ensure proper disposal of any contaminants.

If a load is found to contain garbage contamination in excess of 20%, the loader operator will segregate this load from the other clean recycling materials. The contaminated load will be moved to the MSW Transfer Station for disposal.

The loader operator who identified the contaminated load will make written notice of which truck the load originated from. This information will be shared with the City the next work day, so the City knows where to concentrate their educational efforts.

### **9.4– MSW MATERIAL HANDLING (Alternate Option)**

In the event that the new transfer building has to be shut down for repairs, the original Transfer Station will be re-tasked to accept MSW. In this event, other activities will be temporarily suspended while the MSW activity is taking place. Operations will be conducted as specified above.

### **9.5- RESERVED FOR FUTURE USE**

## **10.0 YARD WASTE OPERATIONS**

### **10.1 COMPOST FACILITY**

The City also owns and operates a Type 1 Composting facility (permit # 32-04) on an adjacent property to the north of the Transfer Station and closed landfill. Customers for the compost facility use the same entrance and scales as the Transfer Station customers. After weighing at the scale house, compost facility customers are directed to the yard waste dumping area.

### **10.2 YARD WASTE CONVENIENCE SITE**

The City operates a small dumping area, approximately 100ft by 100 ft. for small yard waste customers to unload materials. This convenience site is in the northwest corner of the Transfer Station trailer parking area. The types of customers that use this area are typically cars, pick-ups, and minivans. These customers unload either onto the ground or directly into a loader bucket. The loader then loads the yard waste into a 40 cubic yard roll-off container that is transported to the compost facility for grinding. The use of this convenience area prevents small vehicles from travelling the half mile distance over the closed landfill to the compost facility. It also allows for greater waste screenings of the loads the City has found to be most contaminated with non-yard waste materials. Larger trucks and trailers bypass this area and unload directly at the waste receiving area at the compost facility.

The yard waste convenience site is manned by an attendant anytime that unloading occurs to ensure that waste is properly screened. Material promptly loaded into a roll-off container for storage. All yard waste is either stored in the roll-off container or delivered to the compost facility at the end of each operating day.

## **11.0 WASTE SCREENING FORM**

A copy of the waste screening form is located on the next page.

DURHAM



1 8 6 9  
CITY OF MEDICINE

City of Durham

Transfer Station

# Waste Load Inspection



**Date and Time:** \_\_\_\_\_ Mon Tue Wed Thu Fri Sat Sun

**Person Conducting Inspection:** \_\_\_\_\_

**Hauler and Truck #:** \_\_\_\_\_

**Type of Waste:** \_\_\_\_\_

**Waste Origin:** \_\_\_\_\_

**Vehicle Type**

**City Vehicle:** Yes No

- Front Loader
- Rear Loader
- Roll off
- Trailer

**Was the load accepted?** Yes No

**Any banned recyclables?** Yes No

**Comments:** \_\_\_\_\_

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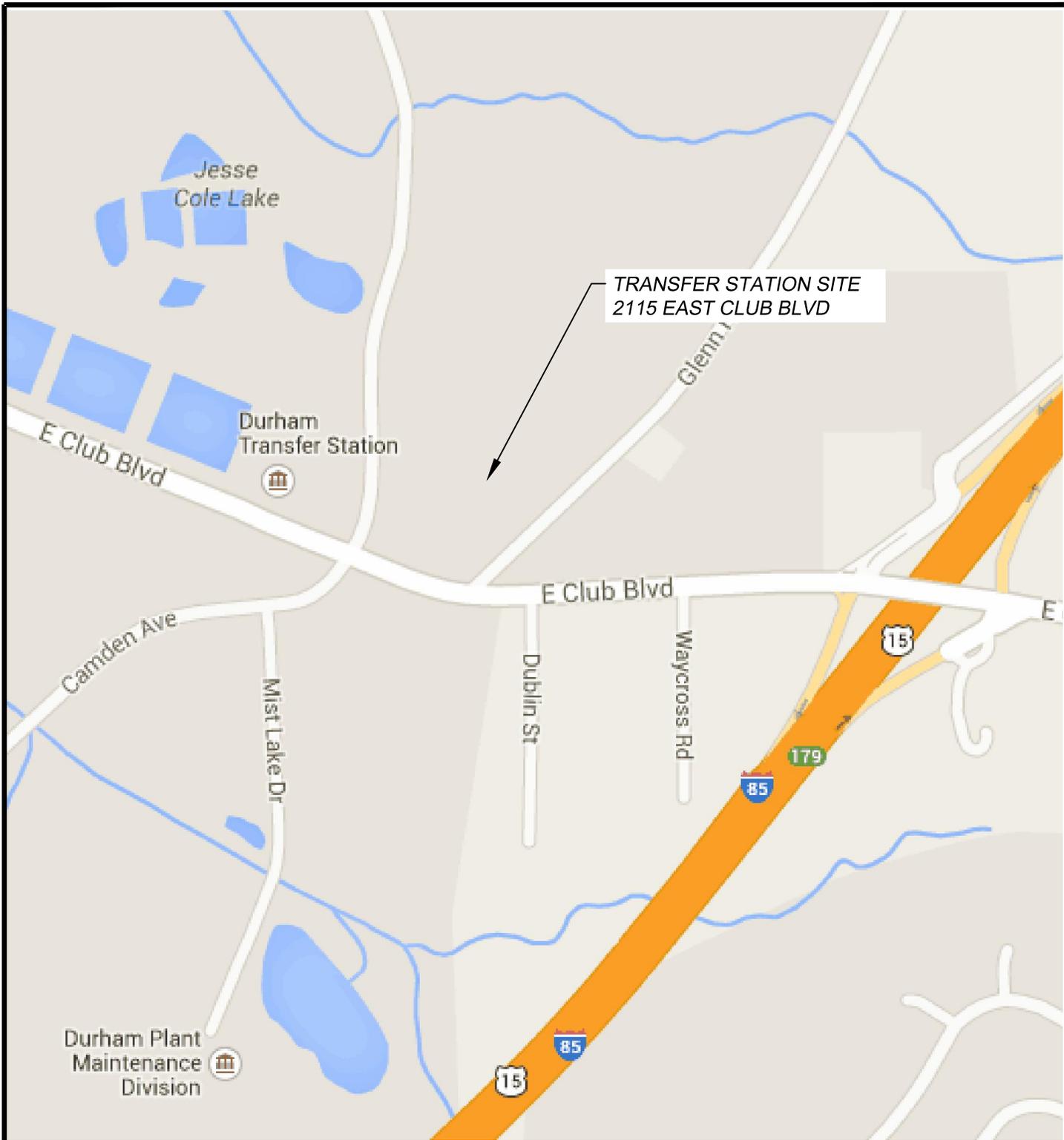
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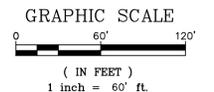
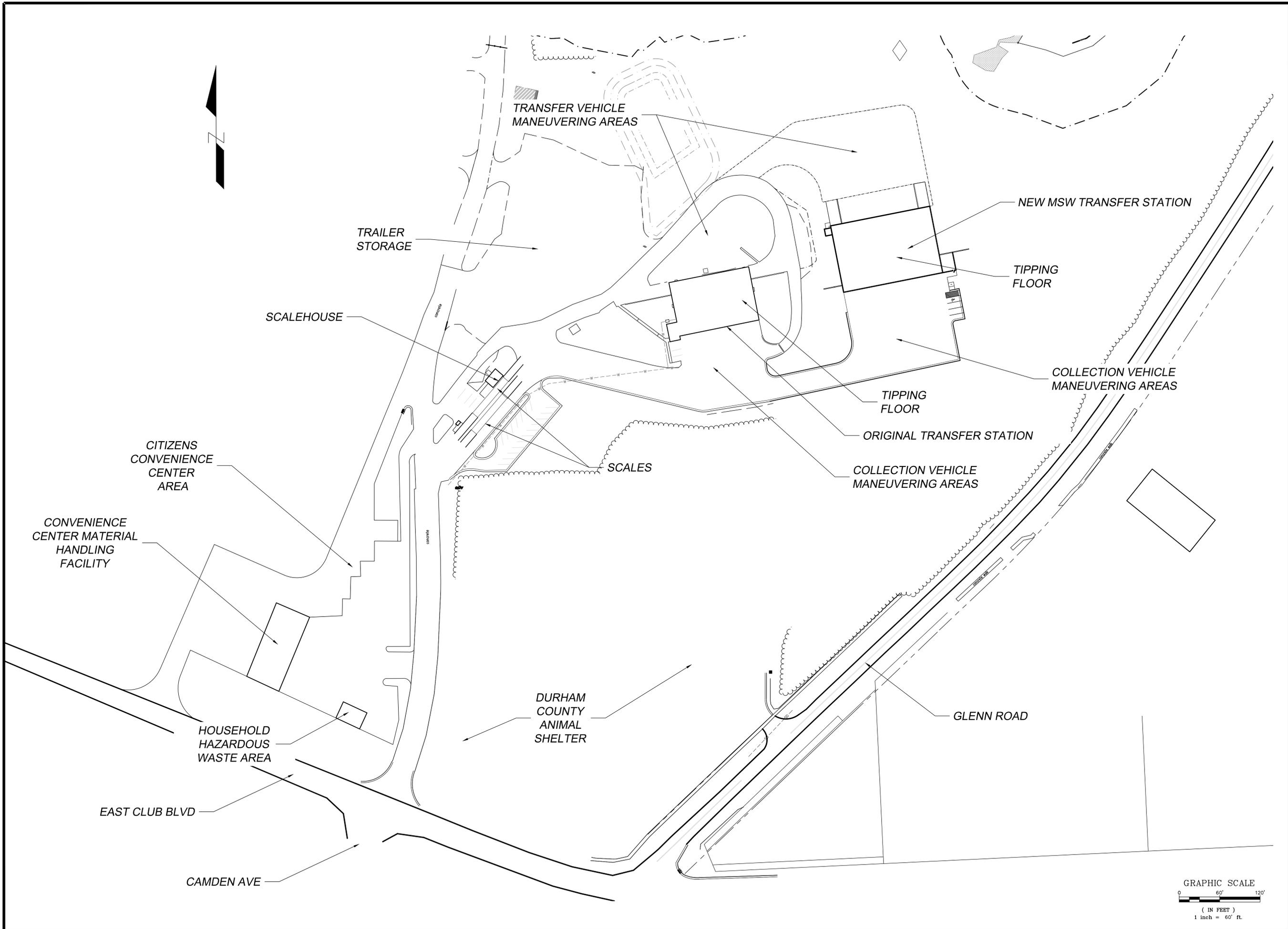


**SITE LOCATION  
MAP**

**CITY OF DURHAM TRANSFER STATION  
OPERATIONS PLAN**

**FIGURE 1**

**CITY OF DURHAM SOLID WASTE SERVICES  
1833 CAMDEN AVE  
DURHAM NC 27704**



NO.	DATE	BY	REVISION

CITY OF DURHAM TRANSFER STATION  
 OPERATIONS PLAN

CITY OF DURHAM SOLID WASTE  
 SERVICES  
 1833 CAMDEN AVE  
 DURHAM NC 27704

WASTE DISPOSAL AND  
 RECYCLING CENTER  
 SITE PLAN

SCALE	AS SHOWN	DATE	CHECKED	PROJECT NO.

SHEET:  
**FIGURE 2**





