

**APPROVED DOCUMENT**  
**Division of Waste Management**  
**Solid Waste Section**  
**Date February 22, 2016 By**

  
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Permit No.	Scan Date	DIN
<b>1808T-TRANSFER-</b>	<b>February 19, 2016</b>	<b>25647</b>

**Operation Plan**

RECEIVED

**February 19, 2016**

Solid Waste Section

Asheville Regional Office

**City of Hickory Solid Waste Transfer Station**

**Permit No. 1808T-TRANSFER-**

**Revised 11/30/15**

**Revised 2/18/16**

**Note: Changes to original plan in bold**

1. INTRODUCTION AND PURPOSE

The purpose of this plan is to provide details relative to the operation of the City of Hickory Solid Waste Transfer Station facility in accordance with Section .0400 of the North Carolina State Solid Waste Management Rules.

2. GENERAL INFORMATION

The transfer station is located in Hickory, North Carolina. The facility is owned and operated by the City of Hickory. The primary contact regarding operation is:

Andrew S. Ballentine  
Solid Waste Manager  
City of Hickory  
PO Box 398  
Hickory, North Carolina 28601  
Phone 828-323-7439-office  
828-302-3747-cell  
Fax: 828-323-7403  
e-mail: aballentine@hickorync.gov

Address of the facility is:

1050 1<sup>st</sup> Ave. SW  
Hickory, NC 28601  
Phone: 828-323-7426

Normal Hours of Operation:

Monday-Friday 7 a.m.-3 p.m.

### 3. SOURCE, TYPE AND QUANTITY OF WASTE

The facility will only receive and transfer municipally collected residential and commercial waste as defined within G.S. 130A-290(35). Only City of Hickory waste collection vehicles are permitted to dump in the transfer station. In addition, a recycling drop off area is located outdoors on the premises away from the tipping area to service residents of the City of Hickory (see site map). Recyclables collected include OCC, Mixed Paper, Aluminum and metal food and beverage containers and PET and HDPE plastic. No hazardous or liquid wastes will be accepted at the facility except for used motor oil and antifreeze, deposited and stored in approved containment receptacles. Any unacceptable waste will be removed and held for proper disposal. Animal carcasses are immediately loaded for removal.

**In FY 14/15**, the City of Hickory currently collected an average of **44** tons per day of commercial waste (**10,621 tons total**) and **35** tons per day of residential waste (**8,469 tons total**) based upon the normal days and hours of operation. All waste, excluding that deposited for recycling, currently goes to the Blackburn Sanitary Landfill, located on Rocky Ford Rd., which is owned and operated by Catawba County.

### 4. OPERATION

#### General

The transfer station will operate during normal business hours as listed above. A trained operator will be on site at all times. The station may be closed on major holidays such as Christmas day, or during severe weather events. Operating hours could change in the event of unforeseen or unusual circumstances that have resulted in the delayed collection of waste.

Inbound waste-laden vehicles will be weighed on certified in-ground truck scales. Following recording of vehicle weight by trained personnel, vehicles are directed into the transfer building. Waste will be deposited directly into the compactor hopper(s). A viewing window will allow the facility attendant to screen waste being discharged. Any unauthorized waste can be removed from the hopper. It is conceivable that emergency conditions such as power failure could warrant waste temporarily being dumped on the concrete tipping floor and pushed into the hopper(s) utilizing a wheel loader. Normal waste is compacted into closed-top 75-yard ejection trailers located on a pad at a lower elevation than the building's tipping floor. The operator will keep a daily log of all dumping and transfer activity. Weight records will be available at either the transfer station or at the Public Services Complex. All loaded trailers are weighed on the certified scales before leaving the facility. Approximately 6 fully loaded trailers (under 80,000# GVW) per day will transport the waste to the Blackburn Landfill. A second waste screen takes place at the Blackburn Landfill by Catawba County personnel.

## 5. EQUIPMENT

The equipment to be utilized is owned, operated and maintained in good condition by the City of Hickory. The following equipment may be used at the transfer station:

- Backhoe-to alleviate any bridging of trash in the compactor hopper
- Wheel Loader-in the event of dumping trash directly onto tipping floor
- (4) Closed-top transfer ejection trailers
- (3) Road Tractors

## 6. PERSONNEL

The facility will be routinely manned by a Transfer Station Operator and (2) Heavy Equipment Operators. **There are 5 employees in the Division of Solid Waste with SWANA Transfer Station Certification. A certified Transfer Station Operator is present at all times the facility is open overseeing the loading and unloading of waste.** Qualified personnel will train all employees in workplace safety issues. First aid supplies will be provided in the facility and all employees will be required to immediately report all work-related injuries. All personnel will be provided protective equipment as needed including gloves, dust masks, earplugs, clothing, etc.

## 7. HAZARD AND NUISANCE CONTROL

**Prohibited or undesirable waste:** This facility is not intended to accept quantities of regulated hazardous or medical waste, radioactive materials, septage or sewage waste, liquid waste, lead-acid batteries, or any other waste that are banned from landfilling by statute or rule. Signage will inform facility users of prohibited wastes. Every effort will be made to preclude acceptance of these wastes through education and inspection, but in the case of inadvertent receipt of these wastes, personnel will be available to isolate the material, take appropriate measures and notify the regulating authorities immediately. There will be a supply of oil absorbent, booms and pads for containment of any hazardous waste. Personnel qualified in conducting random inspections of waste loads and in emergency management will train employees at the facility. Initial response will be from the City of Hickory Fire Department Haz-Mat team by calling 911. If needed, the City will also utilize Stat, Inc. of Hudson, NC for emergency remediation and response.

**Fire:** The transfer building and associated equipment will be equipped with a total of 8 fire extinguishers located throughout the complex. Routine inspection of the fire extinguishers takes place on a regular basis by qualified personnel. Qualified personnel will train employees in effective fire fighting procedures and in fire prevention and on-site walk-throughs with the fire department will be conducted annually. No flammable liquids will be stored in the building. A water supply and hoses will be provided in the building for fire fighting purposes, and in the case of a

fire, the Fire Department will be called via 911. The local station is within 3 blocks of the facility.

**Litter:** Chain link catch/security fencing and regular staff oversight will ensure a minimization of litter in accordance with North Carolina Administrative Code 15A NCAC 13B .0402(7) at the conclusion of each day of operation, all windblown material resulting from this operation shall be collected and returned to the area by the owner or operator. A dumpster and multiple 95-gallon roll out containers will be located at the trailer switching area and litter resulting from this activity will be immediately picked up and placed into these containers. Then, at the end of each working day, these containers are emptied and deposited into the transfer station hoppers and properly disposed of. After each truck has unloaded and finished its route for the day, the trucks move from the tipping floor to the area where the compaction trailers are located to remove any debris from their clean-outs. This process is completed in an area that drains to the sanitary sewer system where it can be properly processed. Any solid debris left behind on the ground is immediately cleaned up and placed in the dumpster and or rollouts noted in this paragraph and processed in accordance with the process listed.

**Odors and Vectors:** Measures to be used to control odors and disease vectors include prompt removal of waste and wash down of the tipping floor at least twice daily. Since, under normal operating conditions, waste will be discharged directly into the hopper, the only waste on the tipping floor is residual emanating from collection vehicles as they pull away from the hopper. A deodorizer is utilized as needed in the trailer switch out area, particularly during summer months. The City has a contract with A-1 Pest Control, which conducts vector control measures on a monthly basis at the facility.

**Dust:** The access road as well as the entire facility is paved. Dust control sprinklers are located directly over the hoppers to minimize dust migration from within the transfer station itself.

**Noise:** The building is located in an industrial area near active railroad tracks. Large trees offer substantial noise buffers. As only an average of 30 vehicles enter and leave the facility per day, no measurable increase in noise levels is expected.

## 8. WASTEWATER MANAGEMENT

Wastewater emanating from both the tipping floor area and the trailer loading/swap out area travel into an oil/water separator prior to direct discharge into the City of Hickory's sanitary sewer system. The settling pit and oil/water separator are cleaned on a regular basis by the City's Vac-All truck.

Trailer seals designed to prevent liquids from escaping from inside the trailer, shall be inspected for wear and replaced as needed.

Tractors trailers, whether empty or full, are prohibited from parking in any area of the asphalt whose grade would allow escaping liquids to move towards the sediment pond located south of the compactors. **The City has capped a storm drain located in front of the compactors and regarded the entire lot to ensure any leachate emanating from any source is directed to the sanitary system.**

## 9. SIGNAGE

Signs shall be posted providing information on hours of operation for public use. Traffic signs or markers shall be provided to promote an orderly traffic pattern. Other signage indicating permit number and any other pertinent information will be posted at the site entrance.

## 10. SECURITY

**The entire facility is surrounded by chain link fencing with 3 strands of barbed wire mounted on top of the fencing. There are 2 access gates to the facility on either side of the in ground scales. Both of these access gates are closed and locked daily during non operating hours. The site is patrolled by the City of Hickory Police Department and fire protection is provided by the City of Hickory Fire Department.**