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**December 18, 2013**

Solid Waste Section  
Asheville Regional Office

Prepared for:

**Burke County Public Works  
PO Box 1486  
Morganton, North Carolina 28680**



**BURKE COUNTY TRANSFER FACILITY  
PERMIT No 1205T-TRANSFER-1998**

**OPERATIONS PLAN**

**REV. DECEMBER 2013**

Prepared by:

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### DRAWINGS

Drawing No. 1 – Site Plan

## **I. INTRODUCTION AND PURPOSE**

This Operations Plan, prepared on behalf of Burke County, provides guidelines for the operations of the Burke County Transfer Facility (Transfer Station). The operational methods provided are in accordance with the North Carolina Solid Waste Management Rules, the Burke County Solid Waste Management Plan, and generally sound environmental and waste management practices.

## **II. GENERAL INFORMATION**

The Transfer Station is located within the boundaries of the John's River Waste Management Facility (Facility). The site consists of 318 acres and is located between Lower Creek and the Catawba River. Currently, there is a construction and demolition (C&D) debris landfill in operation over top of a closed municipal solid waste (MSW) landfill in the southwest portion of the property. An expansion of the C&D landfill is planned to the east of the existing C&D disposal area. Other solid waste management activities carried out at the Facility include recycling, wood grinding, scrap tire and white goods collection. Ancillary features also present at the Facility include an office, maintenance building, and scale-house. Refer to the Site Plan for locations of the various waste management facilities described.

The Transfer Station is owned and operated by Burke County. The primary contact regarding its operation is:

H. Carson Fisher P.E.  
Burke County General Services Director  
P.O. Box 1486  
Morganton, North Carolina 28680  
Telephone (828) 764-9062

The address of the Transfer Station is:

John's River Waste Management Facility  
P. O. Box 219  
2500 Marsh Trail  
Morganton, North Carolina 28655

## **III. SOURCE, TYPES, AND QUANTITIES OF WASTE**

The Transfer Station accepts MSW from residential, commercial, and industrial facilities within Burke County, and the adjacent counties of Caldwell, Catawba, Lincoln, Cleveland, Rutherford, McDowell, Yancey, Mitchell, and Avery. The Transfer Station will be used to transfer MSW.

The Transfer Station will not accept hazardous waste, yard trash, liquid wastes, regulated medical waste, sharps not properly packaged, regulated asbestos-containing material (as defined

in 40 CFR 61), polychlorinated biphenyl (PCB) waste, radioactive materials, sewage waste, animal waste or carcasses, liquid waste, waste oil, lead-acid batteries and other wastes specifically banned by statute or rule.

Other solid waste management activities such as recycling, wood grinding, yard waste management (mulching/composting), scrap tire and white goods collection will be carried out at the Facility, separate from the Transfer Station. C&D waste will be disposed of at the C&D landfill present at the Facility.

The waste will be delivered to the Transfer Station in publicly and privately owned waste collection vehicles of various sizes and types, light trucks, and cars. It is anticipated that approximately 200 tons per day (based on a six day work week) will be transferred through the Transfer Station. The destination of the waste is the Foothills Environmental Landfill (Permit No. 14-03) in Caldwell County. Additional permitted facilities may also receive waste if necessary.

#### **IV. OPERATION**

##### **1. General**

The Transfer Station will operate during normal business hours Monday through Saturday. The Transfer Station will be closed on major holidays, such as Christmas. The operating hours may change slightly due to fluctuations in the waste stream, or other unforeseen conditions, but are expected to be 7 a.m. to 4 p.m., Monday through Friday, and 7 a.m. to 1 p.m. Saturday.

Incoming waste vehicles will be weighed in (and out if tare weights are not available for that vehicle) at the existing scale house, and will travel to the Transfer Station building on the north side of the existing access road. Signs will be posted directing traffic to separate areas for C&D disposal, scrap tire management, white goods collection, yard waste disposal and recycling

##### **2. Equipment**

The equipment will be owned and operated by Burke County. County staff will conduct preventive maintenance and repairs as necessary to keep the equipment in good operational condition. The following equipment is expected to be used at the Transfer Station:

- Front-End Loaders
- Open-Top Transfer Trailers

Inside the Transfer Station building, the waste will be unloaded onto the tipping floor, and pushed with a front-end loader directly into open-top trailers. An attendant will be present to observe the contents of waste emptied onto the tipping floor, and take action if unsuitable waste is received.

As each trailer is filled, it will be transferred to the destination. Partially filled trailers will be covered if left on site overnight.

### 3. Personnel

Burke County will staff the scalehouse and Transfer Station building with attendants. Other personnel, who will be employed onsite to oversee operations of the landfill and other waste management and maintenance activities, may be available to assist at the Transfer Station on an as-needed basis.

All employees will be routinely trained in workplace safety issues including recognizing and managing hazardous materials, fire prevention, firefighting, and other emergency and safety-related topics. First aid supplies will be provided at the Transfer Station and all employees will be required to report all work-related injuries and illnesses. All personnel will be provided protective equipment such as safety shoes, gloves, dust masks, ear plugs, and protective clothing as needed.

## V. WASTE TRANSFER

All vehicles bringing waste to the Transfer Station will be weighed in at the scale-house. From there they will proceed to the Transfer Station. Customers will back their vehicles into the tipping floor area of the Transfer Station to unload their waste. Visual inspections will be made by the Transfer Station attendant to ensure unwanted and prohibited waste is not accepted (see Section VI for additional information). A front-end loader will push the waste into open-top trailers, which will be parked on pads at a lower elevation than the tipping floor. Once a trailer is full, it will be replaced by an empty trailer. Full trailers will be transported to the disposal site—the Foothills Environmental Landfill in Caldwell County, or another permitted facility if necessary. All outgoing trailers will be weighed at the scale-house for record-keeping purposes and to prevent overloaded vehicles from leaving. Weight records will be maintained at the scale-house. The records will be used to prepare annual reports that will be submitted to NCDENR.

## VI. HAZARD AND NUISANCE CONTROL

This section discusses procedures for handling some of most important types of hazards and nuisances that could occur at the Transfer Station.

- Prohibited or Undesirable Waste:

The Transfer Station will not accept various types of wastes, as described in Section III. Signage will inform Transfer Station 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 (which will include returning the waste to the generator or removing it for appropriate disposal), and notify the regulating authorities immediately. Because Burke County currently operates a C&D landfill, the staff is trained in conducting

random inspections of waste loads and in emergency management as it relates to waste disposal.

- Fire:

The Transfer Station building and associated equipment will be equipped with fire extinguishers. Routine inspection of the fire extinguishers will be conducted by qualified personnel. All staff will be trained in effective firefighting procedures and in fire prevention. No flammable liquids will be stored in the building. A water supply and hoses will be provided in the building for firefighting purposes, and a nearby fire department is available for assistance.

- Litter:

Site fencing, coverings for waste hauling vehicles, and adequate staff oversight will be used to prevent litter. Windblown material, if any, will be picked up at the conclusion of each day of operation.

- Odors and Vectors:

Measures to be used to control odors and disease vectors include prompt removal of waste, washing of the tipping floor, and covering partial loads which may remain overnight. If vectors are detected, adequate extermination measures will be implemented. Washing of the floor may occur daily, or on an as-needed basis depending on factors such as the waste volume for that day.

- Dust:

The access road and the area immediately surrounding the transfer building will be paved to prevent a dust problem.

- Noise:

The building is located within the boundaries of a large tract of land containing other existing waste management activities. No noticeable increase in current noise levels is expected.

## **VII. WASTEWATER MANAGEMENT**

Wastewater generated from wash down of the tipping floor (and from the waste itself) will be collected in a floor drain and carried by gravity to a 5,000 gallon holding tank located near the building. The tank will be emptied on an as-needed basis by pumping the contents into a truck and transporting the wastewater to the City of Morganton Wastewater Treatment Plant. The wastewater will be sampled and analyzed as required by the receiving facility. Records of wastewater disposal from the receiving facility will be maintained on site. The records will, at a minimum, document:

1. The date the wastewater was removed from the site;
2. The name of the transporter of the wastewater;
3. The amount of wastewater removed;
4. The name and the address of the facility the wastewater was taken to for disposal; and
5. Analytical results of any required sampling.



