

Subject: Permit Renewal for Hertford County Transfer Station
From: "Wayne Sullivan" <wsullivan@mesco.com>
Date: Fri, 1 Aug 2008 07:53:45 -0400
To: "Ed Mussler" <Ed.Mussler@ncmail.net>
CC: "Melvin Nichols" <melvin.nichols@ncmail.net>

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Ed,

Please find attached a revised Operation Plan for the Hertford County Transfer Station. They are requesting a Permit renewal. If you need anything else, just let me know.

Thanks,

D. Wayne Sullivan
Municipal Engineering Services Co., Inc.
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Hertford TS Operation Plan(REVISED).doc

I. INTRODUCTION AND BACKGROUND

This permit application and operation plan has been developed for the Hertford County Department of Public Works. The purpose of this plan is to provide guidelines for operation of the Transfer Facility on Mt. Moriah Road in accordance with this plan, the North Carolina Solid Waste Management Rules, and generally sound environmental and waste management practices.

II. FACILITY LOCATION

The transfer facility is located at 227 Mt. Moriah Road at the old Hertford County closed landfill which is approximately three miles north of the Town of Winton off Highway 158 North. The facility transports its waste to the East Carolina Regional Landfill in Bertie County, a lined waste facility. The County has truck scales, scale house, cement pads, compactors, open top boxes, recycling containers and a tire trailer on the site.

The physical address is as follows:

Hertford County Transfer Station
227 Mt. Moriah Road
Winton, NC 27986

The mailing address is as follows:

PO Box 556
Winton, North Carolina 27986

III. FACILITY OWNER

The facility is owned and operated by Hertford County. The key personnel associated with operations are:

Melvin Nichols, Director
Public Works Department
227 Mt. Moriah Road
P.O. Box 556
Winton, North Carolina 27986
Telephone (252) 358-7867

Norma Harrell, Office Manager
Solid Waste Department
P.O. Box 556
Winton, North Carolina 27986

IV. FACILITY DESCRIPTION

The facility will consist of scales, scale house and transfer station. The transfer station will consist of a concrete tipping floor with a single loading area located along the southeastern side of the facility. The concrete tipping floor will be approximately 700 square feet in area with a metal roof. Incoming waste collection vehicles will be weighed. They will then back into the facility and empty their load onto the tipping floor. After unloading, they will be weighed as they depart. Unloaded waste will be contained within the limits of the tipping floor by push walls. A front-end loader will fill its bucket on the tipping floor and then dump into two large 40 cubic yard compactors that are hauled away when full. Rain water that blows under the top of the facility onto the pad is removed by a 50 gallon vacuum.

V. SOURCE, TYPES AND QUANTITIES OF WASTE

The source of municipal solid waste will be from residential, commercial, and industrial facilities located within Hertford County. The facility will be used to transfer only municipal solid waste, construction and demolition waste and recyclables. Regulated quantities of hazardous waste, liquid waste and other waste specifically banned by statute or rule will be prohibited from the transfer station. Also see Section VI. F.

The waste will be delivered to the site in county owned and privately owned waste collection vehicles of various sizes and types, light trucks, and cars. The transfer station operates five days a week, Monday through Friday, 8:30 a.m. to 5:00 p.m. The destination of this waste is the East Coast Regional Landfill in Bertie County.

VI. OPERATION PLAN

A. General

The transfer station will operate Monday through Friday. The operating hours are 8:30 a.m. to 5:00 p.m. The station will be closed on the following major holidays: July 4th, Thanksgiving Day, Christmas Eve, Christmas Day, and New Year's Eve day. An entrance sign will be posted noting operation hours and holiday schedules.

Waste collection and transportation vehicles will be weighed in and out at the scale house. Traffic is directed to areas for C&D disposal, household trash and the collection of tires, white goods, and other recyclable waste.

B. Equipment

The equipment will be owned and operated by Hertford County. County staff will conduct preventive and other maintenance as necessary to keep the equipment in good operational condition. The following equipment is used in the transfer station:

- 2 Front-End Loaders
- Open-Top Transfer Boxes 20, 30, 40 cu/yd
- Closed-Top Recyclable Boxes 40 cu/yd
- Nonleakable Pesticide Containers 40 cu/yd

A front-end loader will be used to collect the waste from the tipping floor and dump into the compactors on the pad. As each compactor is filled, it will be transferred to East Carolina Regional Landfill.

C. Personnel

There will be county staff at the scale house to weigh vehicles in and a pad operator at the transfer building. Because other waste management and maintenance activities will be occurring on this site, other personnel could be available to assist at the transfer station on an as-needed basis. Hertford County has four (4) licensed weigh masters in case one is absent from work.

D. Waste Transfer

All vehicles will enter the property through the entrance gate. All vehicles will be weighed at the scale house and then proceed to the transfer station. The waste collection vehicles will back into the transfer station to unload onto the tipping floor. Visual inspection will be made by the facility attendant to assure unwanted and prohibited waste is not accepted at the facility. A front-end loader will fill its bucket on the tipping floor; then dump into a compactor. The facility attendant will be present to observe the contents and take action if unsuitable waste is received. Once the compactors are full, they will be replaced by empty ones. All outgoing trucks and 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 facility. This data will be used in the preparation of the annual reports submitted to NCDENR. The waste will be transported to and disposed of at East Carolina Regional Landfill, a lined waste facility in Bertie County.

E. Wastewater Management

The tipping floor of the facility will be kept dry by using a 50 gallon vacuum. Water will be pumped into a holding tank and emptied as needed.

F. Hazard and Nuisance Control

Some of the major components of hazard and nuisance in any waste transfer operation are prohibited or off-spec waste materials, fire, litter, odors, and disease vectors. A brief discussion of each of these items follows:

- Prohibited or undesirable waste: This facility is not intended to accept regulated quantities of hazardous or medical waste, radioactive materials, septage and

sewage waste, animal waste or carcasses, liquid waste, waste oil, lead-acid batteries, or any other wastes that are banned from land filling 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 Hertford County conducting random inspections of waste loads. 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.

- Fire: The transfer building and associated equipment will be equipped with fire extinguishers. Qualified personnel will conduct routine inspection of the fire extinguishers. No flammable liquids will be stored in the building. An on-site water well will provide water in case of a fire. The local volunteer fire department will also be called in order to handle fires.
- Litter: Covered hauling vehicles and adequate staff oversight will be used to prevent litter. Windblown material, if any, will be picked up as needed.
- Odors and Vectors: Measures to be used to control odors and disease vectors include prompt removal of waste. If vectors are detected, adequate extermination measures will be implemented.