FRANKLIN COUNTY SOLID WASTE DEPARTMENT
113 MARKET STREET
LOUISBURG, NORTH CAROLINA 27549

RECEIVED
JUN 20 2008
SOLID WASTE SECTION

Date: Tuesday, June 17, 2008

Christine Ritter
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

To: Christine Ritter.

I would like to submit the modified Franklin County Solid Waste Operation Plan for your approval. All corrections have been made as discussed in our meeting with Mary Whaley on Friday, June 13, 2008. All fees have previously been submitted ($500 charge for the modification and $500 credit back to Franklin County).

Please contact me if there are any further questions. 919-496-5002

Thank you.

John G. Faulkner
Solid Waste Director

Enclosure.

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FRANKLIN COUNTY SOLID WASTE OPERATION PLAN

Modified-Tuesday, June 17, 2008

I. INTRODUCTION AND BACKGROUND

This operation plan has been created by the Franklin County Department of Solid Waste for the Solid Waste Handling and Transfer Facility (Permit 35-03T). Operations at this facility will be conducted in agreement with this plan, the North Carolina Waste Management Rules, and generally sound environmental and waste management practices.

The MSW transfer facility transports its waste to the Brunswick Waste Management Facility in Lawrenceville, Virginia, which is a lined waste management facilities. Waste Management, subcontractor for the waste hauling and disposal, has the option to choose the landfill used for disposal.

Zoning approval, as well as approval to discharge wastewater effluent into the Franklin County sewer system, was acquired when the MSW transfer facility was originally permitted in 1993.

II. FACILITY LOCATION

The Frankin County MSW Transfer Facility is located in Franklinton, North Carolina. The facility, which is owned and operated by the County of Franklin, is located approximately five miles southwest of Louisburg, N.C. on Landfill Road.

The physical address is as follows:

Franklin County Solid Waste Transfer Station
10 Landfill Road
Franklinton, N.C. 27525

The mailing address is as follows:

Franklin County Solid Waste Transfer Station
113 Market Street
Louisburg, N.C. 27549

III. FACILITY OWNER

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

John Faulkner, Solid Waste Director
113 Market Street
Louisburg, N.C. 27549
Telephone (919) 496-5002

IV. FACILITY DESCRIPTION

The main MSW transfer structure is a metal building constructed on a concrete slab with a retaining wall. It is enclosed on three sides, keeping one open facade that provides accessibility for incoming vehicles. One of the enclosed sides provides an entrance for residential vehicles to the tipping floor. The tipping floor encompasses an area of approximately 10,000 square feet (100 feet by 100 feet). Transfer trailers are positioned in a loading bay under the tipping floor. Incoming loads are discarded onto the concrete tipping floor where they are compacted into the transfer trailer located on the lower level. Wastewater that is generated from normal activities and from regular washing of the tipping floors is collected through drains in the lower level floor. These drains empty into the on site holding tanks which will be pumped out by a licensed septage hauler and disposed in the Franklin County sewerage facility. Any solid waste not removed from the transfer station will be stored in an enclosed transfer trailer overnight.

V. SOURCE, TYPES, AND QUANTITIES OF WASTE

The source of municipal solid waste will be from residential, commercial, and industrial facilities located within Franklin County. The MSW handling and transfer facility will be used solely for the handling and conveyance of municipal solid waste generated within Franklin County. The Facility will only accept solid waste as defined in G.S. 130A-290(35). Any hazardous, liquid, or other prohibited materials found in the waste stream shall be removed and held for proper disposal. The waste will be transferred to the site in publicly and privately owned vehicles of various types and sizes.

July 1, 2006, through June 30, 2007, 34059.13 tons of MSW was accepted at the Franklin Transfer Station, which equates to 2838.26 tons per month. This rate is expected to remain relatively constant relative to population growth. Thus, a proportional increase in waste quantities should be expected as Franklin County's population increases.

VI. OPERATION PLAN

A. General

The Franklin County Transfer Station will be open Monday through Friday from 7:00 AM until 3:30 PM and on Saturday from 7:00 AM to 1:00 PM. The facility will be closed in the observance of the following holidays: Thanksgiving, Christmas, and New Year's Day.

Waste collection and transportation vehicles are weighed in at the scale house. If weights are not known for the vehicle they are again weighed upon departure. Signs will be posted directing traffic to the proper areas for disposal of the respective material. MSW will be unloaded onto the tipping floor, where it will be gathered and moved into the transfer trailer. The operator will keep a log of all the daily activites. The station operator, who is responsible for observing the contents of each load, will take action if unsuitable waste is received.

Other activities that occur at the transfer facility-closed MSW/landfill facility include:

- Franklin County will use the old transfer station for a tire loading area. Tires will be collected on the concrete floor and pushed into a trailer. When the trailer is full, the County will contact Central Carolina Holdings and have it switched out. Tires will be loaded daily.

- Franklin County will collect beneficial fill in an area designated at the back of the closed landfill site. Beneficial fill includes unpainted concrete, block, brick, asphalt, dirt and other inert debris. This area was the old borrow area for the MSW landfill. The fill will be used to bring the area back to its natural elevation.

- The Recycling/drop-off area consists of rolloff and front-end containers, which are labeled for disposal of newspaper, magazines, plastic bottles/jugs, aluminum/metal/steel cans and clear/brown/green glass. On average, these are removed on a weekly basis or as needed.

- Used lead-acid batteries are collected in a designated location. These batteries are stored on a wooden/plastic pallet near the front entrance. In general, the batteries are removed once a month.

- Used oil is collected in an above-ground 500-gallon steel tank, and stored until proper disposal. These materials are removed from the site on a bi-monthly basis. If needed, this removal rate is raised or lowered.

- Yard waste such as, brush, limbs, tree trunk and other debris (including pallets/clean lumber) is collected in an area located at the entrance of the facility. All yard waste will be windrowed in the middle of the storage area until ground. All wood waste is ground up twice a year and is sold as boiler fuel. There will be emergency access between and around all piles.

- Yard waste including leaves, grass clippings and other green waste will be stored separately and managed according the Solid Waste Section 1400 rules. Yard waste will be windrowed and kept separate from all other wood waste. There will be emergency access between and around all piles.

- Old metal materials and appliances are collected in an area designated for metals. These materials are generally processed and removed every three months or as needed.

- Old Corrugated Cardboard (OCC) is collected in designated roll-off containers, until proper recycling can take place. Typically cardboard is removed on a weekly basis, or as required.

- White Goods, which contain Freon, are collected by the facility and stored in one designated area in the metal storage area. The handling and disposal of these items are governed by 40 CFR 82 "Protection of Stratosphere Ozone". The discarded materials are removed every three months.

- The Scale house and office are open during standard operating hours. Vehicles transporting MSW will stop at the scale house for weighing before and after trips to the transfer station.

B. Equipment

The equipment, which is used at the MSW Transfer Station, is owned and operated by Franklin County. County personnel will conduct preventive and other maintenance to ensure the equipment remains in good operational condition. The following equipment will be used at the transfer station:

- 1 CAT-928F Wheel Loader
- 1 CASE-621D Wheel Loader
- 7 Open-Top Transfer Trailers
- 3 Road Tractors
- 1 Yard Tractor
- 1 Roll-off Truck
- 1 Flatbed Truck

The two wheel loaders will collect the waste from the facility's tipping floor, and then the waste is compressed and loaded into trailers located in the lower level of the transfer station. Based on the current waste volume rates, the transfer station can be managed with two wheel loaders and the yard tractor. However, if the rates increase substantially, the owner will rent another loader for the duration of the increased volume or until another loader is acquired (if high rates persist).

C. Personnel

County staff will be present at the scale house to weigh vehicles in and out. Staff will also be stationed at the transfer areas to oversee operations to ensure no hazardous or prohibited waste enters the transfer facility. All employees will be routinely trained in safety issues such as recognizing and managing hazardous waste, fire prevention and firefighting, and other emergency and safety related topics. A qualified person will conduct training. First aid supplies and training will be provided in the facility. All employees will be required to immediately report all work-related injuries and illnesses. All staff members will be provided with the necessary safety equipment including gloves, dust masks, safety shoes, earplugs, safety glasses and related protective items as needed.

D. Waste Transfer

All vehicles will be weighed at the scale and then proceed to the transfer station or appropriate location. A two lane all-weather access road will be maintained between the scale house and other structures. Vehicles hauling MSW will back up to the transfer stations loading bay and unload onto the tipping floor over the facility's dock. A visual inspection will then be performed by the transfer station attendant to ensure only authorized waste is accepted. A wheel loader will then push and compact the waste onto the transfer trailer through the loading bay. Once full, the transfer trailer will transport the waste to the landfill designated by Waste Management, subcontractor and an empty trailer will replace the departing trailers. The current landfill used for disposal is the Brunswick Waste Management Facility in Lawrence, Virginia.

Outgoing trailers will then be weighed at the scale house for bookkeeping purposes and to ensure no overloaded vehicles will enter NC roads. Weight records of MSW will be maintained at the facility and will be used in preparation for the annual reports submitted to NCDENR Department of Solid Waste.

E. Wastewater Management

The tipping floor will be cleaned daily by using a push broom. Wastewater generated as a result of daily operations and periodic cleaning of the facility will be collected by a drain in the lower loading bay. These drains are then piped into a series of solids and grease/oil separators prior to entering the on site holding tank. The holding tank will be pumped out monthly and hauled to the Franklin County Wastewater Treatment Plant.

Hazard and Nuisance Control

Hazard and nuisance control for a MSW transfer station is vital for proper management and efficient operation. The attributing factors to any waste transfer process include prohibited or unauthorized waste materials, fire, odors, disease, vectors, noise, dust, and litter. The Material Screening process conforms to NCAC T15A.13B.0302(2). Key elements of this plan consist of:

a. Training of facility personnel to recognize regulated hazardous and unacceptable waste, including asbestos materials.
b. Visual inspection of each load that comes into the facility, as well as random checks of loads.
c. A contingency plan to correctly manage any proscribed waste.

Training of Facility personnel: Anyone working at the scale house and/or transfer station will be trained to identify suspicious, hazardous and unacceptable wastes based on visual and odor characteristics. The Operations Manager or any personnel trained to identify and manage hazardous and liquid wastes will administer inspections.

Visual inspections: These shall include observations of each truckload at the scale, unloading their shipment onto a concrete pad, and observations before loading onto the processing area. The truck and driver will be detained if objectionable material is found during the unloading process.

Random load inspections: These will be performed to abide by the minimum requirement of 1% screening of waste. This percentage can be raised depending on the type and nature of the incoming waste.

Methodology for choosing the loads to be examined will be based on:

- The probability that a load may contain proscribed waste based on type of business served or type of hauler involved.
- A random selection process that will ensure any load can be checked.
- The ability to distinguish and check "suspicious" loads.

The shipment will be examined for prohibited and/or hazardous waste:

- Asbestos containing material
- Containers will hazardous labels or markings
- Container with liquids, oils, paints, varnishes, etc.
- Drums or commercial sized containers
- Material with "chemical odors", dust, powders, smoke, or vapors
- Materials with bright or unusual colors
- Regulated biochemical waste
- Sludges, biomass, etc.
- Waste banned from landfill disposal by North Carolina statute

Fire: The MSW transfer station and associated buildings will be equipped with fire extinguishers. Qualified personnel will conduct routine inspections of the fire prevention equipment. A qualified person will train all staff members in effective fire fighting procedures and fire prevention. There shall be no flammable liquids stored in or around the MSW Transfer Station. A hose and water supply will be provided inside the facility for fire fighting measures, and in the case of a fire, the local Fire Department will be contacted by calling 911.

Litter: The implementation of covered transfer vehicles, staff supervision, and a fenced facility will be used to prevent litter. Windblown materials, if any, will be picked up and discarded as needed.

Odors and Vectors: Measures to be taken to control odors and disease vectors include immediate removal of waste, invariable washing of the tipping floor, and covering of any partial loads which may remain outside overnight. If vectors are discovered, adequate extermination measures will be taken. The tipping area will be empty and clean at the end of each working day.

Dust: The access roads and the areas adjacent to the MSW Transfer Station are paved to help lessen the problems associated with dust.

Noise: The tract of land on which the MSW Transfer Facility is located has ample buffer to soften most noise pollution. Current levels are not expected to change.