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Operation Plan
Currituck County Transfer Station
2007 – 2011

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Operation Plan
Solid Waste Transfer Station
Currituck County, North Carolina

I. INTRODUCTION

The purpose of this plan is to describe the operations of and provide general instructions for Currituck County to properly operate the Transfer Station in accordance with North Carolina Solid Waste Management Rules. Currituck County is the owner and Waste Industries, Inc., (or their assigns) is the operator of the Transfer Station. This plan specifically addresses requirements of NC Solid Waste Management Rules Section .0402 – Operational Requirements. The Currituck Transfer Station is located at 216 Airport Road, Maple, North Carolina 27956 – Longitude 76 0' 39.17" Latitude 36 23' 49.68".

II. SECTION .0402 COMPLIANCE

A. Operation Plan

The transfer station will be operated in accordance with the approved Operation Plan and conditions of the Solid Waste Permit issued by the North Carolina Division of Solid Waste Management (NCDSWM).

Collection vehicles delivering waste to the facility enter via Airport Road and are required to be weighed on the scales. All vehicles entering the tipping building deposit waste on the 2,100 square foot tipping floor. The entire tipping floor and transfer trailer (on the lower level) are under one roof.

The transfer station attendant directs vehicles to back into the facility. Adequate area is available in front of the transfer station for drivers to queue their vehicles into a backing maneuver. Once the vehicle is in position the waste will be discharged directly onto the tipping floor. The attendant will inspect the discharged load. The attendant separates out all appliances and tires from the load before it is pushed into the waiting transfer trailer, below.

All waste will stay in the covered area of the transfer station. The trailers are removed as they are filled, and none remain in the building for more than 48 hours or two working days. All trailers are promptly tarped upon being moved to the yard, and before they are taken off the property.

B. Receivable waste

Wastes are collected from convenience centers, commercial and residential routes, industrial and institutional operations, and all other entities within Currituck County. Numerous companies and individuals bring waste to the transfer station.

The haulers separate special wastes upon entering the property of the transfer station.

Yard debris and pallets are taken to the yard debris area where both are ground and hauled by Bowen & Company to Weyerhaeuser's use as fuel. Yard Waste is ground at least twice per year. The Currituck County Transfer Station operates under Rule .1402 (f) (6) as a small facility that receives less than 1000 cubic yards of brush debris and requires less than two acres to manage the yard waste stream. The Currituck Transfer Station processes less than 6,000 cubic yards of brush debris per quarter. The County will continue to meet the requirement under Rule .1402 (f)(6).

Tires are placed in containers in the tire storage area and hauled out by Waste Management as each container becomes full; the material is ground and used for landfill cover at one of their facilities.

White goods and scrap metals are taken to the white goods storage area. Effective July 29, 2008, there is a new 100' x 150' concrete pad for this purpose. When the white goods storage area becomes 60% filled, the County calls upon United Salvage & Auto, Inc., and they respond by removing CFC's onsite and hauling the scrap metal to Sims Metal Recycling in Virginia. United Salvage and Auto, Inc., is enrolled in C.C. Dickson Company's Refrigeration Recovery System. Numerous additional recyclables may be managed separately at this site. Currituck County does not have a C&D recycling program (except for clean concrete and brick), therefore, Construction and Demolition (C & D) debris will be passed through the transfer station, not separated at the facility.

The transfer station will accept only waste it is permitted to receive, and will not accept hazardous or liquid waste, asbestos, or other wastes not accepted at the final disposal facility. The site for final disposal of the waste shall be East Carolina Environmental Landfill, in Aulander, NC. The NCDWM will be notified of any changes in disposal site.

Received waste is screened as each load is dumped on the station floor to evaluate contents. Barrels and drums will not be accepted unless they are empty, have been inspected, and are perforated to ensure that no liquid or hazardous waste is contained therein. Non-conforming waste is not accepted and any loads containing non-conforming waste are refused.

C. Wastewater Disposal at the Transfer Station

The tipping floor and transfer trailer staging area will be cleaned at the end of each operating day. The current design indicates that the wastewater will be collected by sweeping all water toward the floor drains in the lower level of the facility. The wastewater will then be directed to drains located in the floor. The wastewater and leachate will be directed into underground holding tanks. There is no leachate pumping station, the tanks are gravity fed. When tanks need pumping out, Safety Kleen, Noble Recovery Service or like vendor is called to take care of the matter. Care will be taken that no wash water leaves the confines of the building.

D. Fire Control

Fire services will be provided by the local Fire Department, Crawford Township Fire Department, with backup from neighboring stations.

In case of fire, immediately contact the Fire Department. Currituck County has 911 services to report fires and other emergencies. All transfer station personnel shall be trained to use the fire extinguishers on site. The fire extinguishers shall be inspected, serviced, and operated in accordance with manufacturer's instructions. All fires shall be reported to the NCDSWM.

E. Disease and Vector Control

Currituck County 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. Daily cleaning of the transfer station and removal of waste at the end of each operating day will protect against migration of vectors into and from the transfer station. Currituck County will use fresh water to keep the tipping floor and drive-through areas clean and free from these vectors. Currituck County shall also use deodorant and paint as necessary to accomplish these goals. Stagnant water shall also be prevented from pooling to control mosquito breeding. If problems controlling disease vectors occur, County mosquito control personnel or a licensed exterminator shall be employed to control vectors.

Full or partially full trailers shall be covered if left overnight. Solid Waste shall not be stored on the transfer station floor overnight. All dumped waste shall be contained in the building or in the trailer.

The entrance of the loading bay, together with the large ventilation fans will allow adequate ventilation of the station. The exhaust fans should reduce nuisance odors and mitigate vector problems.

F. Equipment

The transfer station is operated by a contractor, Bowen & Company. Bowen & Company supplies employees that are trained and certified in transfer station operations. The transfer station operator will use the following equipment for regular operation and maintenance.

- Forty-eight or fifty foot walking floor transfer trailer with tarps
- One yard tractor
- Paradigm scale software
- Vehicle scale
- Rubber-tired backhoe

A visual inspection is made each morning and evening of the facility, tipping floor and receiving chute. Any problems are reported immediately to the County Superintendent of Buildings. The Operator of the transfer station keeps an extra tractor on site and the County has a generator to run the scale and software in the event of breakdown or power outages.

G. Control of Wind Blown Waste

All trailers arriving from convenience centers and commercial or industrial sites must be tarped or fully enclosed. Outbound transfer trailers are required to tarp their loads. Throughout the day facility personnel police the area for any windblown litter. Since the transfer trailer is enclosed on three sides, wind blown trash is easily contained within the building and in the trailer bay, both of which will be routinely policed by the station operator.

H. Erosion Control Requirements

The facility has an existing erosion and sedimentation control plan for the entire area, which includes the closed landfill. Ditches and other drainage features were designed to collect and convey water from the disturbed area in which the transfer station is located and runoff from the area is dropped into the sediment basins adjacent to the transfer station building. In addition, a ground cover of grass shall be maintained in good condition upon the slopes of the transfer station. All roadways are paved with asphalt, cement, or gravel.

I. Sign Requirements

Currituck County shall maintain signs at the transfer station entrance indicating operation procedures, hours of operation, and permit number. Signs shall be clearly posted stating that no hazardous or liquid wastes are received at the location. Traffic signs and markers shall be posted as necessary to promote an orderly traffic pattern to and from the discharge area and scale area.

J. Open Burning of Waste

No open burning shall be permitted at the transfer station.

K. Fire Protection Equipment

Fire suppression equipment shall be provided to control accidental fires and arrangements have been made with the local fire protection agency to immediately provide fire protection when needed. The transfer station building has been equipped with two hose bibs located on the wall of the facility and an appropriate number of fire extinguishers to effectively control accidental fires. Fires at this facility require verbal notice to the Division of Solid Waste within 24 hours and written notification shall be submitted within 15 days. Notification shall be submitted to the Washington Regional Waste Management Specialist: Chuck Boyette, 943 Washington Square Mall, Washington, NC 27889. Telephone: (252) 948-3913.

III. CONTACTS

The appropriate persons to contact are the manager of the company that manages/operates the transfer station, the Public Works Director for the County and the Safety Director for the County.

Ronnie Elliott, Branch Manager, Waste Industries, Elizabeth City, NC (252) 264-2996.

Stacey R. Bowen, Bowen Company, Inc., 28626 US Hwy 264 East, P.O. Box 394, Belhaven, NC 27810 252-943-3702

Brenda McQueen, Currituck County, Superintendent of Buildings, P.O. Box 38, Currituck, NC 27929 Tel: 252-232-2504 FAX: 252-232-3298

James Mims, Currituck County Safety Officer (252) 232-6641

IV. HOURS OF OPERATION

Currituck County intends to staff the facility 48 hours per week. The contract with Waste Industries, Inc., requires the facility to be operated until all waste is removed from the tipping floor each evening, so the company's staff shall remain at the facility until the job is completed.

Transfer Station Open:

Monday – Friday 8:00 a.m. -- 4:15 p.m.
Saturday 8:00 a.m. -- 4:15 p.m.

Transfer Station Closed:

Sundays
New Year's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

V. PERMIT AND RECORDS

In addition to normal bookkeeping for invoices and weight records, Operator will maintain an operating log. Items to be noted and kept in the operating log will include but not be limited to the following items:

Solid Waste Permit

Operation Plan

Inspection Reports

Record Drawings of the Facility

Waste Determination Records and Information on Rejected Waste