

CHATHAM COUNTY, NORTH CAROLINA
TRANSFER STATION FACILITY

APPROVED
DIVISION OF SOLID WASTE MANAGEMENT
DATE 6/11/93 BY [Signature]

PERMIT SUBMITTAL DOCUMENT

For:
AMERICAN REFUSE SYSTEMS, INC.
Post Office Box 5329
PINEHURST, NORTH CAROLINA 28374
(919)295-6181

By:
MARLOWE, DREITZLER & ASSOCIATES
219 NORTH BOYLAN AVENUE
RALEIGH, NORTH CAROLINA 27603
(919)834-1113

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SECTION 1.0: DESCRIPTION OF OPERATIONAL PRACTICES

A. Method Of Transfer

The proposed Chatham County Transfer Station will operate as an Open Top Transfer Trailer Facility. Front loader, rear loader and roll-off type trucks will represent the typical customer. These trucks will discharge their respective loads on a 60 ft. X 70 ft. concrete tipping floor. At the southeast end of the Facility will be a retaining wall approximately 15 feet high. The open top transfer trailers will be located in a 15 ft. X 60 ft. loading area. The transfer trailers will vary in size from 65 cubic yard trailers to 110 cubic yard trailers. The transfer trailers may also vary with respect to discharge. Either the full ejection type trailer or the walking floor type trailer will be utilized. Tractor-trailer axle weights will be checked periodically with portable axle scales. The overall loaded tractor-trailer weight will be checked as the tractor-trailer leaves the facility by the entrance scales.

B. Section .0402 Compliance:

Refer to the Chatham County Transfer Station Operations Plan for a detailed description of the Facilities compliance with Section .0402 of the Solid Waste Management Rules.

C. Section .0505 Compliance:

(1)(a),(b) - Plan And Permit Requirements: Construction plans have been submitted to the Division of Solid Waste Management as a part of this Transfer Station Permit Request Submittal Package. The construction plans will be adhered to as will any conditions set forth by the Division of Solid Waste Management through the Transfer Facility Permit. No specific groundwater monitoring requirements are required under Section .0400 - Transfer Facilities, of the North Carolina Solid Waste Management Rules. Standard reporting will consist of records for all vehicles which discharge solid waste at the Facility. These records will be kept in the form of weight tickets at the operations building.

(4) - Erosion Control Requirements: A Permit from the North Carolina Division of Environment, Health and Natural Resources, Land Quality Section has been received, and is included as Attachment 'A'.

(5) - Drainage Control Requirements: Runoff from the tipping floor area and transfer trailer loading area will be diverted to floor trench drains located in each respective area. The tipping floor area and transfer trailer loading area are the only areas which come in contact with the solid waste. Both areas are covered by the proposed metal building. The runoff generated from daily wash-downs is estimated not to exceed 1000 gallons per day. All runoff from the floor drains is directed to a grinder pump station. A 2 inch force main approximately 500 feet in length will discharge at a 4 inch service stub, as provided by Siler City, North Carolina. The service stub is to be located at a manhole just before the headworks of the Siler City Wastewater Treatment Plant.

(7)(b),(c) - Water Protection Requirements: The proposed Facility collects solid waste on a concrete tipping floor. The solid waste is pushed from the tipping floor, over a retaining wall and into an open top transfer trailer. The entire facility is covered by a metal building. Reference the description for Section (5)(a),(b) for compliance with Section (7)(c).

(8)(a),(b),(c) - Access And Security Requirements: The site is enclosed by a 6 foot high chain link fence with a 3 strand barbed wire top. Double swing gates control ingress and egress at the Facility entrance. A man gate is located along the rear of the Facility, and is locked at all times. An Operations Building is provided at the main entrance. The Operations Building will be manned when the Facility is open for operations. The access to the site is via a paved roadway owned and maintained by Siler City for access to their wastewater treatment plant. Siler City is currently negotiating with the North Carolina Department of Transportation (NCDOT) to provide such improvements as are required for the NCDOT to add the roadway to their system.

(9)(a),(b),(c) - Sign requirements: Signs shall be posted at the entrance to the Facility meeting all requirements of this Section of the Solid Waste Management Rules.

(10)(a),(b),(c),(e) - Safety Requirements: Open burning will be prohibited at the Facility. The Facility is being annexed by Siler City, North Carolina, and will receive all fire protection services from Siler City. Any fire which does occur at the Facility will be reported to the Division within 24 hours and a written notification submitted within 15 days. Barrels and drums will not be accepted unless they are empty and sufficiently perforated to ensure that no liquid or hazardous waste is contained therein.

(11)(a),(b),(c),(d),(e) - Waste Acceptance and Disposal Requirements: The Facility shall only accept waste for which it is permitted to accept. Being a Transfer Facility, all acceptable waste received will be loaded into a transfer trailer and transported to a permitted landfill. Asbestos will not be accepted at this Facility. Wastewater treatment sludges will not be accepted at this Facility.

(12) - Miscellaneous Requirements: The Facility is designed with a metal building to cover all areas receiving solid waste. The building is designed with ventilation. The 60 ft. wide front is open at all times, as are the ingress and egress ends of the transfer trailer loading areas. The building will contain all potential wind blown waste. The floors shall be washed down daily.

SECTION 2.0: SERVICE AREA

The proposed Transfer Station Facility will serve all of Chatham County, North Carolina. The Facility will not receive waste from outside the County. All waste is proposed for transportation to the Waste Management lined landfill facility in Kernersville, North Carolina.

SECTION 3.0: PROPOSED LIFE OF FACILITY

The Facility is proposed as a permanent replacement for the Municipal Solid Waste (MSW) disposal area at the active Chatham County conventional landfill. For the purpose of this Report, the design life may be considered 20 years.

SECTION 4.0: SPECIAL WASTE POLICIES

The Facility will receive a typical cross section of MSW and commercial waste from Chatham County, North Carolina. Wastewater treatment plant sludges, animal carcasses, asbestos, tires and land clearing debris will not be accepted. Any "special Wastes" considered for acceptance and not specifically identified in the approved Operations Plan will be presented to the Solid Waste Management Division (along with handling guidelines) and an amendment to the active Permit requested.

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TRANSFER STATION FACILITY

APPROVED
DIVISION OF SOLID WASTE MANAGEMENT
DATE 6/11/93 BY DD

OPERATIONS PLAN

For:
AMERICAN REFUSE SYSTEMS, INC.
Post Office Box 5329
PINEHURST, NORTH CAROLINA 28374
(919)295-6181

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MARLOWE, DREITZLER & ASSOCIATES
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SECTION 1.0: WASTE RECEIVED

The Chatham County Transfer Station will receive the same waste stream as the current conventional Chatham County Landfill receives, with some minor exceptions. The waste stream consists of a typical cross-section of Municipal Solid Waste (MSW), and commercial waste. Chatham County currently generates approximately 120 tons per day (TPD) of solid waste. The following waste types are specifically excluded from acceptance at the Chatham County Transfer Station Facility:

1. Asbestos
2. Wastewater Treatment Plant Sludges
3. Hazardous Wastes
4. Medical Wastes
5. Animal Carcasses
6. Yard Wastes
7. Any Other Waste Type Excluded By The Division Of Solid Waste Management Through The Transfer Facility Permit.

Section 2.0: WASTEWATER AND LEACHATE DISPOSAL

The Transfer Station Consists of a 60 ft. X 70 ft. tipping floor and a 60 ft. X 15 ft. transfer trailer loading area. These are the only areas for which solid waste comes into contact. Both areas are covered by a metal building as detailed in the Facility Plans. The only water which comes into contact with the waste is the wash-down water. The Facility will be washed down at the end of each working day. Trench type floor drains are located in the tipping floor area and in the transfer trailer loading area, respectively. All run-off is collected in the trench drains and piped by gravity to a pump station located in the south central portion of the site.

The Facility is located adjacent to the Siler City, North Carolina Wastewater Treatment Plant. Siler City is providing a 4 inch sanitary sewer service tap in a manhole near the headwords of their Wastewater Treatment Plant. The domestic wastewater and leachate from the Facility will be pumped to the service tap location through a 2 inch force main.

SECTION 3.0: FIRE CONTROL POLICY

The Transfer Station site is being annexed by Siler City, North Carolina. Fire protection is a standard service provided under the annexation. The primary fire control policy for the Facility will consist of notifying the Siler City Fire Department, and waiting for their response. A secondary fire control policy will consist of 3/4 inch hose bibs located at the tipping floor area and at the transfer trailer loading area. The hose bibs are provided for daily floor wash-down maintenance, but may be used to control small fires if feasible, and until the Siler City Fire Department can arrive. In addition, Underwriters Laboratory (UL) fire extinguisher will be located in the tipping floor area, the transfer trailer loading area, and in the operations building.

SECTION 4.0: VECTOR CONTROL

The Open Top Transfer Trailer Facility is specifically suited for vector control. The tipping floor and transfer trailer loading area is completely contained by a metal building structure. Openings at the entrance to the tipping floor and at the ingress and egress to the transfer trailer loading area allow adequate ventilation. The Facility floors are cleaned and washed down at the end of each working day. Solid waste will not be stored on the tipping floor for any significant length of time, and only in an emergency situation will solid waste be stored on the tipping floor over night.

SECTION 5.0: EQUIPMENT

The Facility will utilize the following equipment for operations and maintenance:

1. Rubber-Tired Front End Loader
2. Power Floor Sweeper
3. 60 ft. X 11 ft. Scales
4. Scales Hardware And Software
5. Transfer Trailers (varied sizes)
6. Hose Bibs With 3/4 Inch Rubber Hose

SECTION 6.0: WIND CONTROL

The tipping floor and transfer trailer loading areas are enclosed by a metal building, as is detailed in the Facility Plans. Waste will be contained within the confines of the structure. All scattered or blown waste will be collected at the end of each working day and loaded into the last transfer trailer (clean-up load) of the day.

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