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Solid Waste Section

Asheville Regional Office

OPERATION PLAN



SOLID WASTE TRANSFER STATION

DURHAM COUNTY

WASTE INDUSTRIES, LLC

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OPERATION PLAN

**Waste Industries, LLC
Solid Waste Transfer Station
Durham County, North Carolina
March 18, 2010**

I. INTRODUCTION

The purpose of this plan is to describe the operations of and provide general instructions for Waste Industries, LLC. To properly operate the Transfer Station in accordance with North Carolina Solid Waste Management Rules Section. Waste Industries, LLC is the owner an operator of Transfer Station located at 149 Stone Park Ct in Durham NC. This plan specifically addresses requirements of North Carolina Solid Waste Management Rules Section.0402 – Operational Requirements.

II. SECTION 0402 COMPLIANCE

A. OPERATION PLAN

The Transfer Station is operated in accordance with the approved Operation Plan and conditions of the Solid Waste Permit issued by the North Carolina Division of Waste Management (NC DWM).

Collection vehicles delivering residential, commercial and industrial waste to the facility will enter the facility via the main entrance off Stone Park Court and are required to be weighed via the scales. Once the vehicles have passed the scale house area, they continue along the access road until reaching the tipping building apron at the Transfer Station. The tipping building apron provides access to the south side of the Transfer Station, which opens to the 12,800 square foot tipping floor. The tipping building has 10-foot high push walls running along the interior walls that direct the MSW to hoppers feeding the trailers on the lower level of the building. The building is divided into two separate tipping areas. The east end of the tipping floor is for MSW loads containing household waste with the west end accepting C&D and LCID mixed loads.

A small track hoe and manual pickers are used to pick C&D, LCID, metals and cardboard from the loads dumped on the tipping floor.

The Transfer Station attendant directs vehicles, waiting to unload, to back into the facility through the south entrance. Adequate area is available in front of the Transfer Station for drivers to queue their vehicles into a backing maneuver. Station operating personnel shall be on the station floor to direct and guide the vehicles. The vehicles shall back onto the tipping floor to an area designated by the attendant. Once vehicle is in position the waste load shall be discharged directly onto the tipping floor. A spotter shall inspect the discharged waste before it is mixed with other waste on the tipping floor. The track hoe operator or a picker will pull metals, cardboard, C&D and LCID materials from the load before the MSW is pushed by a rubber tired loader into the open top transfer trailers, specifically designed for hauling MSW, located in the lower level of the Transfer Station. All waste shall stay in the covered area of the Transfer Station. Cardboard, metals and land clearing debris may stay on the floor of the building (northwest corner- C&D processing area) for no more than 48 hours or two working days. The C&D material shall be deposited in the open top transfer trailer staged on the lower level at the northwest section of the Transfer Station. The LCID waste will be pulled from the waste delivered to the Transfer Station and loaded into open dump trailers or dump trucks to be transported to the LCID landfill (Permit #32-J) located on the adjacent property by the Transfer Station. LCID consist of yard waste, untreated clean lumber. Treated wood (salt treated, painted OSB, MDF or any wood other than virgin wood) waste has to be discarded in the C&D trailer. Pallets received as construction and demolition debris shall be discarded in C&D trailer or recycled if possible. Metal and cardboard is pulled from the MSW and C&D and loaded into trailers staged at the dock high loading area at the west end of the Transfer Station. The trailers shall be removed as they are loaded. Until volume expands this process could take as long as one week to load the trailers.

B. RECEIVABLE WASTE

Waste is collected from routes in Durham, Wake, Alamance, Chatham, Granville and Orange Counties. The routes are served by Waste Industries, LLC. as well other solid waste collection companies. The waste is generated by residents, municipalities, industries, businesses, and other entities within these counties. The recyclables, construction/demolition debris, land clearing and inert debris and white goods shall be separated from waste at the Transfer Station. These items will be disposed into approved Construction & Demolition (C&D) Debris Landfill, Red Rock (Permit # 92-28), or the LCID Landfill (Permit #32-J) owned by Waste Industries on Campus. Scrap Steel and old corrugated cardboard will be separated at the station and transferred to trailers for shipment to local markets.

The Transfer Station shall only accept waste for which it is permitted to receive. The station will not accept hazardous or liquid waste, asbestos, or other wastes not accepted at the final disposal facility unless a separate waste determination is made and applied for. The primary site for final disposal of the waste is the Sampson County Disposal Landfill (Permit #82-02) in Roseboro, North Carolina the NC DWM will be notified of any changes in disposal site.

Received waste may be screened as necessary on the station floor to evaluate contents. When operating personnel are in doubt as to contents, and upon receiving suspicious wastes or waste from a new hauler or customer, the contents shall be inspected. Barrels and drums shall not be accepted unless they are empty, have been inspected, and are perforated to ensure that no liquid or hazardous waste is contained therein. Other than special inspections, waste transporters are randomly stopped for inspection twice a week. Inspection records shall be maintained in scale house.

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 indicated that wastewater will be collected by sweeping all water toward the rear of the facility and into the trailer loading area. The wastewater will then be directed to trench drains located at each end of the trailer loading areas. The system will effectively collect leachate/ wastewater separately from stormwater. The wastewater and leachate is directed to an oil grit water separator by pipe and pumped after separation to local sewer system. Local sewer system is serviced by the Triangle Waste Water Treatment Plan (TWWTP). Oil grit water separator is protected from overflow by an audible and visual alarm. Alarm is tested on a monthly basis.

Further, the methodology is an effective means of vector control. The facility will be swept down daily. Walls, beams, and spaces behind retaining walls shall be kept clean. The floor will be washed down as warranted to prohibit nuisance conditions. Grates and traps located at the floor drain inlets will be cleaned frequently and after wash down. Waste and debris collected from the floor drains and grates will be disposed of properly. Care will be taken not to allow wash water to leave the confines of the building.

D. FIRE CONTROL

Fire fighting services is provided by the local Fire Department, Bethesda Volunteer Fire Department. The Transfer Station is also equipped with fire extinguishers in various locations throughout the building for containment or control of incipient fires.

In case of fire, immediately contact the Fire Department. Durham County has 911 services to report fires and other emergencies. All personnel at the facility should be familiar with the use of the fire extinguishers on site. Fire extinguishers should be routinely inspected and serviced and operated in accordance with manufacturer's instructions. All fires shall be reported to the NC DWM.

E. DISEASE AND VECTOR CONTROL

Waste Industries 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. Control of disease vectors will be maintained by implementation of a daily cleaning program, which involves removal of waste, leachate and wash water from the facility operating areas. The removal of waste at the end of each operating day shall protect against migration of vectors into and from the Transfer Station. Waste Industries shall use wash water to keep the tipping floor and drive-thru areas clean and free from rodents, flies and other animals. Waste Industries may also use deodorizers and paint as needed to accomplish these goals. Stagnant ponding water shall be prevented from occurring to control mosquito breeding. If problems controlling disease vectors occur County mosquito control or a licensed exterminator shall be employed to control vectors.

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Full or partially filled haul trailers will be covered if left on site overnight. Solid waste shall not be stored on the Transfer Station floor overnight. The front entrance to the Transfer Station and the entrance and exits of the loading bay, together with six large ventilation fans, will allow adequate ventilation of the station. All dumped waste shall be contained in the building either in the waiting transfer trailer or on the floor.

The large exhaust fans should reduce nuisance odors and mitigate vector problems. The Transfer Station concrete floor should be thoroughly swept down at the end of operations each day. Any wastes that have increased the potential for attracting flies, rodents and other insects or vermin shall be disposed of in the transfer trailer as soon as possible. Under normal operating conditions, the station will be free of unconfined solid waste at the end of each day. Solid waste shall not be stored on the Transfer Station floor overnight.

F. EQUIPMENT

The Transfer Station shall utilize the following equipment for regular operation and maintenance:

- Four 48 feet –nominal 110 cubic yard walking floor transfer trailers with covers
- Three Road Tractors
- Axle scales and software
- Large rubber-tired front end loader
- Site tractor for queuing transfer trailers
- Track hoe for picking metals, C&D and LCID

In the event of equipment failure equipment may be rented or brought in from other local Waste Industries facilities to continue normal operations.

G. CONTROL OF WIND BLOWN WASTE

All incoming vehicles with waste are required to have their loads tarp upon arrival at the site or be fully enclosed. Outbound transfer trailers are also required to tarp their loads. Throughout the day and at the end of each day, facility personnel will police the area for any windblown litter. Since the Transfer Station is enclosed on three sides, wind blown trash should not be a major operational concern. Any wind blown trash discovered at the end of an operating day shall be collected and stored in a transfer trailer vehicle or an on-site trash bin.

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H. EROSION CONTROL REQUIREMENTS

The Waste Industries Facility has an existing erosion and sedimentation control plan for the entire Durham Campus, which includes the location of the Transfer Station. The site has several drainage features and a sediment pond on the westerly end of the property, which convey and filter sediment-laden storm water runoff. 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 Transfer Station area is dropped into sediment basins adjacent to the western corner of the transfer station site.

I. SIGN REQUIREMENTS

Signs are posted at the Transfer Station entrance indicating operational procedures hours of operation, tipping fee and permit number. Signs shall be clearly posted stating there are no hazardous or liquid waste received at this location. Traffic signs and markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge area to maintain efficient operating conditions.

J. OPEN BURNING OF WASTE

Open burning of waste shall be prohibited at the Transfer Station.

K. FIRE PROTECTION EQUIPMENT

Fire suppression equipment shall be provided to control fires and arrangements have been made with the local fire protection agency to immediately provide fire-fighting services when needed. The transfer Station building is equipped with (4) hose bibs located on each wall of the facility and an appropriate number of fire extinguishers to effectively control incipient fires. Fires that occur at the Waste Industries Transfer Station require verbal notice to the NC DWM within 24 hours and written notification shall be submitted

within 15 days. Verbal and written notification shall be submitted to the Environmental Senior Specialist:

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Department of Environmental and Natural Resources
NC Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646
(919) 508-8400

L. ATTENDANT

Waste Industries Transfer Station shall have a fulltime facility/ scale operator located in the scale house during operating hours. In addition, a Transfer Station Attendant shall be at the facility at all times during operating hours. Both the Scale Operator and Transfer Station Attendant are responsible for verifying that all vehicles comply with the permitted operational requirements.

Attendant and/or operator shall maintain certification, NC-SWANA Certified Transfer Station Operations Specialist. Additional safety training is conducted monthly as required by Waste Industries Safety Policy. Material is generated by corporate office and classroom instruction is given by transfer station supervisor monthly. Topics include but are not limited to Hearing Conservation, Blood Borne Pathogens, PPE, Hazard Communications, Lock Out Tag Out, and Fire Safety.

M. ACCESS AND SECURITY

The Transfer Station shall be secured by means of gates, chains, berms, fences, and other security measures approved by the Division of Waste Management to prevent unauthorized entry. All vehicles delivering waste to the Transfer Station will enter and exit through the existing access control gate. Unauthorized vehicle access to the facility is prevented by a chink-link fence surrounding the Waste Industries Facility.

N. ACCESS ROADS

Access roads for the Waste Industries Transfer Station are constructed of an all-weather surface (asphalt or concrete) and shall be maintained in good condition. Potholes, ruts, and debris on the roads shall receive immediate attention in order to avoid damage to the

These hours may be changed from time to time depending on conditions or as may be dictated by the clients to be serviced.

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V. PERMIT AND RECORDS

In addition to the normal bookkeeping for invoices and weight records, Waste Industries' 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.