OPERATION PLAN

FOR

OVERDALE ROAD TRANSFER STATION
WINSTON-SALEM, NORTH CAROLINA

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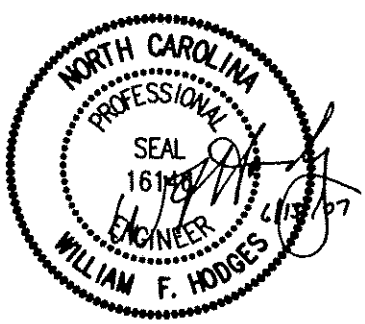

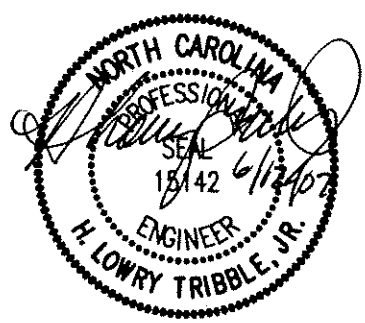

HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.
CONSULTING ENGINEERS
484 MULBERRY STREET
SUITE 265
MACON, GEORGIA 31201

PHONE: (478) 743-7175 **FAX: (478) 743-1703**

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MAY 2007

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1.0 INTRODUCTION

1.1 PURPOSE

This Operation Plan has been developed for the Overdale Road Transfer Station located in Winston-Salem, North Carolina. This Operation Plan (Plan) has been prepared in accordance with the North Carolina Solid Waste Rules 15A NCAC 13B .0402, Operational Requirements for Transfer Facilities.

The purpose of this Plan is to provide the Owner and Operator with the necessary information and procedures to properly operate the transfer station in accordance with all-applicable rules and regulations. This Plan serves as a guide to safely maintain and operate the transfer station and addresses the following issues:

- Waste acceptance criteria;
- Transfer Station operations;
- Erosion control requirements;
- Drainage control and water protection;
- Disease and vector control;
- Signs and safety requirements;
- Access and security requirements; and
- Transfer Station inspections.

All personnel involved with the management or supervision of the transfer station operations will be required to review the Plan, and to maintain the transfer station in conformance with all applicable requirements. A copy of this Plan will be kept on file at the transfer station at all times.

1.2 TRANSFER STATION LOCATION

The transfer station is located in Winston-Salem, North Carolina on Overdale Road. The transfer station building occupies approximately 0.4 acres of the 11 acre parcel

of property. Access to the transfer station is from a paved entrance road exiting Overdale Road.

1.3 TRANSFER STATION DESCRIPTION

The transfer station consists of a pre-engineered metal building with a transfer trailer loading bay equipped with scales, and a separate scale with scalehouse. The transfer station entrance road and driveways are paved with asphaltic concrete or graded aggregate.

The transfer station building consists of a tipping floor with a below floor grade loading bay located on the north side of the building. Incoming waste collection vehicles dump municipal solid waste (MSW) directly onto the tipping floor of the transfer station. From the tipping floor, a front-end loader lifts the waste into open top trailers specifically designed for hauling MSW. These trailers are located seven (7') feet below the tipping floor grade level in the loading bay.

The transfer station building has metal panel walls on three (3) sides with the front side open for incoming waste loads. In addition, the building has 10-foot high concrete push walls adjacent to the exterior walls on the back and right side. Incoming waste vehicles will enter the building through the open front.

The washdown water storage and handling system includes a drain for collection of washdown water from the loading bay. This drain is located in the covered loading bay to promote stormwater / leachate separation. In addition to the drains, curbing has been installed at the entrance and exit of the loading bay to further segregate stormwater and leachate. The floor of the transfer station will be sloped to assure washdown water does not leave the building. Washdown water flows from the drain to a sump system and is then pumped to the Winston-Salem Sanitary Sewer System. The transfer station building apron and loading bays have a concrete paved surface. All access roads have an asphaltic concrete surface or all-weather construction (gravel aggregate). The scalehouse is equipped with an above-grade scale.

The Owner of the transfer station is Republic Services of North Carolina, LLC (Republic), who is responsible for all transfer station operations. Republic owns and operates many solid waste facilities in North Carolina and will ensure all employees receive necessary training for waste inspections, operations, and clean up of the transfer station. Mr. Mark Bacon will manage this transfer station and may be contacted at the address listed below:

Mr. Mark Bacon
Republic Services of North Carolina, LLC
2875 Lowery Street
Winston Salem, NC 27101-6127
(336) 714-4300

Republic has contracted with K.R. Drenth Trucking, Inc., 13720 S. Rostner Street, Crestwood, IL. 60445, (708) 388-2222. The local contact is Joe Prestandrea, (336) 721-2452.

2.0 WASTE ACCEPTANCE CRITERIA

In accordance with 15A NCAC 13B .0402(1), the transfer station will only accept those wastes which it is permitted to receive. The transfer station accepts municipal solid waste (MSW) (i.e., residential, commercial, and industrial waste) and C&D materials. The current service area for this transfer station includes all North Carolina Counties that fall within a 50 mile radius of the political border of the City of Winston-Salem. A list of these counties is included in the Appendix. The transfer station is designed to transfer 600-1500 tons per day of waste. The daily tonnage rate is subject to change due to fluctuations in the amount of waste delivered to the transfer station on any given day, and also due to seasonal fluctuations in the waste stream.

Incoming waste is primarily transported to the transfer station by private or public waste haulers. The vehicles consist of rear, front, and side loader truck types. Commercial and industrial waste will also be transported to the transfer station by private or public waste haulers.

2.1 RECYCLABLE MATERIAL

Recyclable materials such as newspaper, plastics, etc. may be removed from the waste stream prior to entering the transfer station. Portions of dry recyclable material such as metals and cardboard may be separated for recycling at the transfer station, however, no recyclables will be separated from putrescible garbage.

2.2 PROHIBITED WASTES

The transfer station will not accept barrels and drums unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained in them. No hazardous or liquid waste will be accepted at the transfer station. In addition, the transfer station will not accept asbestos material, infectious waste, medical waste, animal waste, animal carcasses, radioactive waste, lead acid batteries, or white goods. A report will be prepared for any attempted delivery of waste of which the transfer station is not permitted to receive, including waste from outside the permitted transfer station service area. The report will be forwarded to:

North Carolina Department of Environment & Natural Resources
(NC DENR)
Solid Waste Section
585 Waughtown Street
Winston-Salem, NC 27107
(336) 771-5000

3.0 TRANSFER STATION OPERATIONS

The transfer station will typically receive waste Monday through Saturday. The standard operating hours will be Monday thru Friday 4:00 a.m. to 7:00 p.m. and Saturday 4:00 a.m. to 4:00 p.m. These hours may be extended on occasion depending on the volume and consistency of the incoming waste stream. The transfer station will typically be closed on Sundays and designated holidays. However, maintenance or improvement construction may be accomplished on these days. A sign will be posted at the entrance to the transfer station identifying the hours of operation.

Since the transfer station will be operated as a tipping floor transfer station, the only equipment required for safe and effective operation of the transfer station are rubber-tired front-end loaders, transfer trailer trucks, and the scales. However, additional equipment may be utilized to facilitate loading operations. The Owner will provide properly trained personnel for daily operations of the transfer station and primary equipment, backup equipment, and equipment maintenance. Backup equipment and trucks for transferring and hauling waste will be available on-site and from local equipment rental companies.

Solid waste leaving the site will be transferred via transfer trailers to the Uwharrie Regional Landfill in Montgomery County, North Carolina. Alternate disposal sites for waste leaving the transfer station will be Upper Piedmont Regional Landfill in Person County, North Carolina or the Foothills Regional Landfill in Caldwell County, North Carolina. These alternate sites can only be utilized if their approved service areas allow such disposal. In addition, other MSW Landfills with acceptable service areas may be utilized. NCDENR will be notified if final disposal sites change in the future.

3.1 PERSONNEL

The transfer station operations will be supervised by the General Manager. A minimum of two (2) staff employees, a scalehouse operator, and heavy equipment operator are required for the daily operation of the transfer station. All employees will be properly trained in safety procedures and the inspection of incoming wastes (see Section 3.3 - Inspection of Wastes). Transfer station employees will also direct

and coordinate the movement of collection vehicles into and out of the transfer station.

3.2 TIPPING FLOOR OPERATIONS

Collection vehicles delivering residential, commercial, and industrial waste to the transfer station will enter the transfer station via the main gate where they will be required to be weighed on the in-bound scales. Once vehicles have passed the scalehouse area, they will continue along the access road until reaching the transfer station. The transfer station building has existing 10-foot high concrete push walls along one side and the rear of the tipping floor, and a depressed loading bay, located along the left side of the tipping floor below the tipping floor elevation. A four (4') foot high concrete push wall divides the tipping floor and the loading bay.

The Transfer Station Attendant will direct vehicles, waiting to unload, to back into the transfer station through the west side of the building. Once there is sufficient room to maneuver on the concrete floor, the vehicles will back onto the tipping floor to an unloading area designated by the Attendant. When the vehicle is in position, the waste load will be discharged directly onto the tipping floor and the driver will be instructed to slowly move the vehicle away from the tipping floor, and exit the transfer station. The heavy equipment operator will continuously push dumped waste towards the north end of the tipping floor. The waste will be placed in the open-top transfer trailers located in the loading bay of the transfer station.

The lower loading bay area (below floor grade) has been designed to provide sufficient space for drivers to exit their vehicles and to walk to safety in the event of an emergency.

During times when several vehicles are at the transfer station, haulers will be instructed to wait at the truck staging area adjacent to the transfer area until there is sufficient room at the tipping floor within the transfer building. The size of the tipping floor will allow up to four (4) trucks to dump simultaneously.

The transfer station is designed so that washdown water can be collected by a drain located in the pit area on the lower level of the transfer station. Washdown water remaining on the tipping floor will be collected using absorbing agents and emptied into transfer trailers for disposal in an approved transfer station. Washdown water that reaches the loading bay will flow into the sump. From the sump, washdown water will be pumped into the Winston-Salem Sanitary Sewer System.

The tipping floor will be cleared of all wastes at the end of each working day. No putrescible wastes or free liquids are allowed to remain on the transfer station tipping floor at the end of the working day, unless it is stored in containers designed for waste storage.

3.3 INSPECTION OF WASTES

Access to the transfer station is controlled by the Scale Operator located at the entrance to the transfer station. All waste entering the transfer station must pass the scalehouse prior to entering the tipping floor area. As waste is deposited onto the tipping floor, an employee who has received proper training will conduct a visual inspection of the waste materials. Should unacceptable waste be found, the driver of the vehicle will be instructed to terminate unloading and the unacceptable waste material will be re-loaded into the vehicle for removal from the site. Waste Collection Agreements will be kept on file for each of the waste delivery accounts, allowing the transfer station Operator to maintain accountability for the different haulers utilizing the transfer station. Additionally, the transfer station shall randomly select one (1) vehicle per day for random waste screening. The material from this load shall be spread, and a list of items in that load should be listed. This form shall be retained by the transfer station. Should a hauler consistently deliver unacceptable material, he will be denied further access to the transfer station, and the local office of NC DENR will be notified so that appropriate investigations can be conducted if necessary. In addition, all actions specified in Section 2.0 (WASTE ACCEPTANCE CRITERIA) will be strictly adhered to by the transfer station Operator and its employees.

3.4 TRAFFIC CONTROL

Access to the transfer station is controlled by the Scalehouse Operator. All vehicles arriving at the transfer station are directed to the tipping floor area by the Scalehouse Operator after their weight is recorded. The Site Attendant will direct the vehicle to the unloading area, as outlined in Section 3.2. The flow of traffic will be aided by directional signs.

3.5 HOUSEKEEPING AND LITTER CONTROL

All incoming waste vehicles are required to have their loads tarped upon arrival at the transfer station, or the load must be fully enclosed. Outbound transfer trailers are also required to tarp their loads. Throughout the day and at the end of each day, transfer station personnel will police the building and surrounding areas for any windblown litter. Since the transfer station is enclosed on three (3) sides, wind blown litter should not be a major operational concern. Any wind blown litter discovered at the end of an operating day will be collected and stored in a transfer trailer vehicle, or an on-site trash bin for proper disposal.

3.6 NOISE CONTROL

Noise will be created at the transfer station from vehicular traffic and operation of the transfer station equipment. Noise from the collection and transfer vehicles, as well as the rubber-tired front-end loader servicing the transfer station, are all reduced by mufflers. Other noise generated within the building from waste handling is significantly abated by the structure that encloses the transfer station.

3.7 ODOR CONTROL

Odors are controlled by prompt unloading and transfer of all delivered wastes at the transfer station. Adequate fresh air exchange is ensured through the open front of the building and the openings in the loading bay. The only time waste is stored temporarily at the transfer station is when a transfer trailer is loaded at the end of the

day and must wait until the landfill disposal site opens the following day, or at the end of a weekend or holiday. In such cases, the waste will be stored in covered transfer trailers or roll-off boxes.

The transfer station may utilize a mechanical odor control system if the above items fail to adequately control odors. However, under normal operating conditions, an odor control system is not required at the transfer station.

4.0 EROSION CONTROL REQUIREMENTS

Areas adjacent to the transfer station are graded away from the transfer station and drain via sheet run-off or through drainage ditches. Standard erosion and sedimentation control practices, such as vegetating exposed slopes and directing stormwater into ditches have been implemented at the site. Additional surface drainage dikes, berms, curbs, inlets, and other devices have been installed to assure leachate does not enter the storm drainage system.

5.0 DRAINAGE CONTROL AND WATER PROTECTION REQUIREMENTS

The transfer station will be operated to prevent storm water from coming in contact with waste, and to contain and properly dispose washdown water.

The tipping floor and transfer loading bay will be emptied at the end of each operating day. Any free liquid on the tipping floor will be collected using absorbing agents and properly disposed.

Washdown water collected in the drain in the loading bay will be pumped into the Winston-Salem Sanitary Sewer System.

6.0 DISEASE AND VECTOR CONTROL

The transfer station will 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 that involves removal of waste and wastewater from the transfer station operating areas. The removal of waste at the end of each operating day will protect against migration of vectors into and from the transfer station. The Transfer Station Operator may also use insecticides or pest control professionals to accomplish these goals. Stagnant ponded water will be prevented from occurring to control mosquito breeding. If problems controlling disease vectors occur, a pest control professional will be employed.

7.0 SIGN AND SAFETY REQUIREMENTS

7.1 SIGN REQUIREMENTS

The transfer station will post signs at the entrance indicating operational procedures, hours of operation, tipping fee, and the permit number. Signs will be clearly posted stating that no hazardous or liquid waste can be received. Traffic signs and markers will be provided as necessary to promote an orderly traffic pattern to and from the unloading area, and to maintain efficient operating conditions.

7.2 OPEN BURNING OF WASTE

Open burning of waste is prohibited at the transfer station.

7.3 FIRE PROTECTION EQUIPMENT

Fire suppression equipment will be provided to control accidental fires, and arrangements will be made with the local fire department to immediately provide fire-fighting services when needed. The transfer station building will be equipped with an appropriate number of fire extinguishers to effectively control accidental fires. The fire department will be invited to visit the transfer station periodically to inspect for deficiencies or suggested improvements.

7.4 NOTIFICATION OF FIRE

Fires that occur at the transfer station require verbal notice to the Solid Waste Section within 24 hours, and written notification shall be submitted within 15 days. Verbal and written notification will be submitted to:

North Carolina Department of Environment & Natural Resources
(NCDENR)
Solid Waste Section
585 Waughtown Street
Winston-Salem, NC 27107
(336) 771-5000

8.0 ACCESS AND SECURITY REQUIREMENTS

8.1 TRANSFER STATION ACCESS AND SECURITY

The transfer station must be secured by means of gates, chains, berms, fences, and other security measures to prevent unauthorized entry. All vehicles delivering waste to the transfer station will enter and exit through the access control gate. Chain-link fencing, wooded areas, and drainage ditches surrounding the transfer station property prevent unauthorized vehicle access to the transfer station.

8.2 ATTENDANT

The transfer station will have a full-time Scalehouse Operator located in the scalehouse during operating hours. In addition, a Transfer Station attendant will be at the transfer station at all times during operating hours. Both the Scalehouse Operator and Transfer Station Attendant will be responsible for verifying that all vehicles comply with the permitted operational requirements.

8.3 ACCESS ROAD

The access roads for the transfer station have been constructed of an all-weather surface (asphalt or graded aggregate) and will be maintained in good condition. Potholes, ruts, and debris on the paved surfaces will receive immediate attention in order to avoid damage to the vehicles. Access road shoulders will be regraded as necessary to maintain positive slope for adequate drainage. Since collection and transfer vehicles travel at low speeds on paved roads, dust generation is not anticipated to be a problem. Should dust control become necessary, a water truck will be utilized.

9.0 TRANSFER STATION INSPECTIONS

There will be regular inspections conducted at the transfer station. Inspections will be conducted by site personnel who are familiar with the operations of the transfer station. Items that will be inspected monthly will include, but not be limited to, the following:

1. Transfer trailers;
2. Push walls;
3. Fire extinguishers;
4. Electrical controls;
5. Trench drain, floor drains, and yard hydrant; and
6. Washdown water collection sump and pump.

Records of all transfer station inspections will be maintained in the scalehouse.

If unsatisfactory conditions are noted during the inspection, or by the transfer station personnel at any other time, the concerns shall be reported to the General Manager. If a threat to safety or to the environment is identified, immediate action shall be taken to correct the situation. If necessary, operations at the transfer station will be suspended temporarily until the proper corrective actions have been taken.

In addition to these records, random inspection forms discussed in Section 3.3 shall be retained by the transfer station.

APPENDIX

APPROVED SERVICE AREA
OVERDALE ROAD TRANSFER STATION

The following counties are included in the service area for the referenced transfer station. The service area is defined as all North Carolina counties that fall within a 50 mile radius of the political border of the City of Winston-Salem.

1. Forsyth
2. Alamance
3. Alexander
4. Alleghany
5. Cabarrus
6. Caswell
7. Chatham
8. Davidson
9. Davie
10. Guilford
11. Iredell
12. Randolph
13. Rockingham
14. Rowan
15. Stokes
16. Surry
17. Wilkes
18. Yadkin

OVERDALE ROAD TRANSFER STATION

LOAD INSPECTION FORM

Date: _____ Time: _____am/pm

Inspection Type: 1) Random Inspection _____
2) Suspicious Load _____

Reason for Suspicion: _____

SOURCE INFORMATION

1) Waste Hauler Name _____
2) Driver Name _____
3) Vehicle ID No. _____
4) Waste Generator Name _____

INSPECTION RESULTS

1) Describe Waste Inspected _____
_____
_____
_____
_____

2) Prohibited Wastes Present? _____ Yes _____ No
3) Containers (drums, cans) Present? _____ Yes _____ No
4) Approved Construction/Demolition Waste _____ Yes _____ No
5) Other Observations _____
_____
_____

6) Disposition _____ Load Accepted
_____ Load Rejected
_____ Operator/EPD Notified

_____ (Waste Inspector)

(Signature)