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SOLID WASTE SECTION  
ASHEVILLE REGIONAL OFFICE

MECKLENBURG COUNTY  
Land Use and Environmental Services Agency  
Solid Waste Section

May 31, 2006

Mr. Shawn Brady  
Republic Services of NC, LLC  
5516 Rozzelles Ferry Road  
Charlotte, NC 28214

Permit No.	Date	Document ID No.
60-14	April 28, 2009	7330

Re: Solid Waste Transfer Station Permit Reissuance  
Permit No. 60-14-T  
3130 I-85 Service Road North, Charlotte, NC

Dear Mr. Brady:

In accordance with the provisions of The North Carolina Solid Waste Management Rules and based upon information supplied in the application on file with the Mecklenburg County Land Use and Environmental Services Agency ("LUESA"), we are forwarding herewith reissued Permit to Operate ("Permit") No. 60-14-T for the operation of a solid waste transfer facility. The current regulatory requirements, procedures and conditions used by LUESA have been incorporated. This permit replaces Permit No. 60-14-T dated May 4, 2001.

If any parts, requirements or limitations contained in this Permit are unacceptable to you, please notify LUESA within thirty (30) days following receipt of this Permit, identifying the specific issues to be contended. Unless such demand is made, this Permit shall be final and binding. This Permit is non-transferable.

If there are any questions regarding this matter or if I may be of further service, please contact me at 704/336-6513.

Sincerely,

Joseph S. Hack  
Program Manager  
Solid Waste Services Section

Enclosure

cc: William Hodges, P.E., Hodges, Harbin, Newberry & Tribble, Inc.  
Paul Crissman, NCDENR  
Teresa Braford, NCDENR



# Solid Waste Permit



**Permit Number 60-14-T**

In accordance with Article 9, Chapter 130A of the General Statutes of North Carolina and all rules promulgated thereunder to include 15A NCAC 13B The North Carolina Solid Waste Management Rules et. seq., and in conformity with the plans, specifications, and other supporting data, all of which are considered a part of this permit,

PERMISSION IS HEREBY GRANTED TO

**Republic Services of North Carolina, LLC  
3130 I-85 Service Road North  
Charlotte, North Carolina**

FOR THE OPERATION OF

a solid waste transfer facility consisting of:

- a pre-engineered metal building covering the tipping floor and two (2) truck loading bays;
- associated scale house and scales; and
- a waste water collection system for collecting solid waste septage and wash down water.

This facility is permitted for the temporary storage and transfer of non-hazardous solid waste only.

This permit shall be effective for five (5) years from the date of its issuance unless modified or revoked, and shall be subject to the attached conditions and limitations.

\_\_\_\_\_/\_\_\_\_\_  
 Program Manager / Date  
 Solid Waste Services Section



Facility:

Republic Services of North Carolina, LLC  
3130 I-85 Service Road North  
Charlotte, NC 28206

Permit to Operate No. 60-14-T:

Date Issued: 09/06/96  
Reissued: 07/24/00  
Reissued: 05/04/01  
Reissued: 05/04/06

Office:

Republic Services of North Carolina, LLC  
5516 Rozzelles ferry Road  
Charlotte, North Carolina 28206

**SOLID WASTE OPERATING PERMIT CONDITIONS AND LIMITATIONS**

This permit is being issued by the Mecklenburg County Land Use and Environmental Services Agency, Solid Waste Services Section, pursuant to the "Delegation of Authority to Mecklenburg County to Perform a Solid Waste Management Program" granted by the State of North Carolina on July 18, 2003. The delegation was made pursuant to authority granted by NCGS §130A-4(b).

**General Conditions and Limitations**

- G-1. This Permit is for the operation of a solid waste transfer facility in accordance with the approved plans and the approved Operation Plan on file with the Mecklenburg County Land Use and Environmental Services Agency ("LUESA"). Any revisions or modifications to these plans shall be approved by the LUESA prior to implementation.
- G-2. This permit will be subject to review every five (5) years as per 15A NCAC 13B Rule .0201(e) - "Permit Required" and shall be reviewed on or before May 4, 2011 in accordance with the rules in effect at that time. Modifications, where necessary, shall be required in accordance with Rules in effect at the time of review. Republic Services of North Carolina, LLC shall provide a written permit renewal request to LUESA one-hundred and eighty (180) days prior to the expiration date.
- G-3. The Permittee may not transfer this permit to any other entity. This permit may be transferred only by LUESA upon the Director's approval.
- G-4. Amendments or revisions of the NC Solid Waste Management Rules may necessitate modification of the approved plans or closure of the facility.
- G-5. The facility shall be operated in conformity with the North Carolina Solid Waste Management Rules, 15A NCAC 13B, the conditions of this permit and any other Local, State or Federal regulations in such a manner as to prevent the creation of a nuisance, insanitary conditions or potential public health hazard.

The facility shall comply with the Mecklenburg County Air Pollution Control Ordinance Regulations 1.5108 - "Dust and Related Materials", 1.5109 - "Nuisance" and 1.5110 - "Control and Prohibition of Odorous Emissions".

- G-6. This permit does not relieve the facility from the responsibility of acquiring any other permits that may be required. This permit allows the facility to operate only operations specifically enumerated herein. Possession of this permit does not guarantee compliance with any applicable ordinances or regulations.
- G-7. Compliance with North Carolina Solid Waste Management Rules, including the specific conditions herein, shall be determined by surveillance, visual observations, data review, facility inspections, and any other methods applicable to the facility.
- G-8. The owner or operator shall submit all reports or information as may be required by LUESA.
- G-9. The facility shall allow the right of entry upon the premises where entry is necessary to carry out the provisions of this permit in accordance with NCGS §130A-17 - "Right of Entry."
- G-10. Upon finding that a public health nuisance exists, the facility shall be subject to an order of abatement directing the owner, lessee, operator or other person in control of the property to take any action necessary to abate the public health nuisance in accordance with NCGS §130A-19 - "Abatement of Public Health Nuisance."
- G-11. Upon finding that an imminent hazard exists, and after notice to or a reasonable attempt to notify the owner, the facility shall be subject to entry and any action necessary to abate the imminent hazard in accordance with NCGS §130A-20 - "Abatement of an Imminent Hazard."
- G-12. Upon a finding that a violation of the applicable provision of 15A NCAC 13B, NCGS §130A, the rules of the Commission for Health Services or a condition imposed upon the permit has occurred, the permittee shall be subject to injunctive relief, an administrative penalty not to exceed \$5,000 per day or permit revocation, in accordance with NCGS §130A-18 - "Injunction," NCGS §130A-22 - "Administrative Penalties" and NCGS §130A-23 - "Suspension and Revocation of Permits and Program Participation."

#### **Specific Conditions and Limitations**

- S-1. This permit replaces Permit No. 60-14-T dated May 4, 2001.
- S-2. This solid waste permit addresses the temporary storage and transfer of non-hazardous solid waste only. For the purposes of this permit, "solid waste" shall mean solid waste as defined in 15 A NCAC 13B Rule .0101(36) - "Definitions" excluding hazardous waste and liquid waste. Solid waste is subject to all applicable rules of 15A NCAC 13B.
- S-3. The municipal solid waste transfer operation capacity shall not exceed 1200 tons per ten (10) hour day. Records indicating the daily throughput weight shall be maintained for at

- least two (2) years and shall be made accessible to LUESA for review upon request.
- S-4. At all times the facility is operating, at least one (1) of the on-site personnel shall be trained and certified, by an organization such as SWANA, in the proper procedures for facility operation, odor control, maintenance, troubleshooting and repair, and emergency response.
- S-5. Adequate documentation of the waste screening program, including inspection sheets, employee training records, and contingency plans shall be maintained at the facility as part of the operating record.
- S-6. Facilities or practices shall not cause a discharge of pollutants into the waters of the State that is in violation of the requirements of the National Pollution Discharge Elimination System ("NPDES"), Section 402 of the Federal Clean Water Act, as amended.
- S-7. The operator shall be responsible for management of any leachate produced from the facility. Any leachate produced shall be maintained on site or disposed of in accordance with all pertinent local, state, and/or federal rules and regulations to prevent contravention of surface or ground water standards. Ground water quality at this facility is subject to the classification and remedial action provisions of 15 NCAC 2L. Storm water shall be managed in accordance with the approved plans.
- S-8. Equipment shall be provided to control accidental fires and arrangements shall be made with the local fire protection agency to immediately provide fire-fighting services when needed. All employees shall be trained in fire prevention and emergency action procedures.
- S-9. Fires and non-conforming waste incidents shall be reported to LUESA and the Division within twenty-four (24) hours followed by a written notification to be submitted within fifteen (15) days.
- S-10. Operation of the facility shall occur in accordance with 15A NCAC 13B .0402 - "Operational Requirements for Transfer Facilities", the Operations plan dated April 2000 and revised in April of 2006, as prepared by Hodges, Harbin, Newberry & Tribble, Inc. for Republic Services of North Carolina, LLC and these additional requirements:
- a. This facility shall be operated in a manner which is consistent with the State solid waste management plan and with the solid waste management plans that have been adopted by those units of local government served by the facility and approved by the Division.
  - b. Republic Services of North Carolina, LLC personnel shall inspect each load of waste deposited on the tipping floor for acceptability prior to being transferred.

- Unacceptable wastes shall be returned to the delivery vehicle or impounded for proper handling. Any hauler suspected of repetitive improper waste identification practices shall be reported to LUESA within twenty-four (24) hours of the occurrence.
- c. Waste shall not be stored on the “tipping floor” after operating hours. Waste may be stored in transfer trailers at the facility with covers in place after operating hours, but no longer than twenty-four (24) hours. This requirement is not applicable to materials stored for recycling.
  - d. Waste exhibiting strong offensive odors shall be expeditiously processed to minimize the likelihood of odorous nuisance conditions.
  - e. Effective vector control measures shall be applied to control flies, rodents, insects, vermin, and any other potential vectors. Appropriate measures shall be determined and adjusted by management and LUESA personnel during the ongoing operations of the facility to ensure that operating conditions are in a constant state of improvement.
  - f. The “tipping floor” and “transfer trailer loading area” shall be maintained in a sanitary, clean condition after operating hours in accordance with the approved Operational Plan.
  - g. Incoming and outgoing wastes shall be transported in covered or enclosed vehicles. The facility and surrounding areas shall be monitored for litter accumulation and litter shall be collected daily. Collected litter shall be contained and disposed properly.
  - h. The facility shall establish and maintain an agreement with at least one (1) facility holding a valid permit for the treatment and/or disposal of municipal solid waste. The facility shall maintain a current listing of treatment and/or disposal sites to be utilized along with documentation of such agreements and provide updated copies to LUESA as required.
  - i. The owner or operator shall report any and all changes in the contracted on-site management within thirty (30) days to LUESA personnel.
- S-11. On or before 1 August of each year (or at an earlier date as requested by the Division), the owner or operator shall report to the Division, for the previous year beginning 1 July and ending 30 June, the amount by weight of the solid waste that was received at the facility and disposed of in a landfill, incinerated, or converted to fuel. To the maximum practicable extent, such reports shall indicate by weight the COUNTY or origin of all solid waste. The owner or operator shall transmit a copy of the report to the Solid Waste Section of LUESA and to each county in which waste originated.

\_\_\_\_\_  
Program Manager  
Solid Waste Services Section

\_\_\_\_\_  
Date

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SOLID WASTE SECTION  
ASHEVILLE REGIONAL OFFICE

SOLID WASTE SECTION  
ASHEVILLE REGIONAL OFFICE

# OPERATIONS PLAN

MECK COUNTY DEPARTMENT OF  
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ENVIRONMENTAL PROTECTION

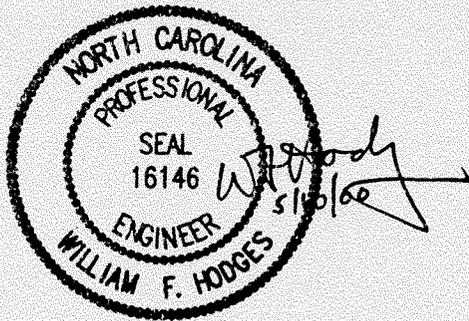
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## QUEEN CITY TRANSFER STATION

FOR

REPUBLIC SERVICES OF NORTH CAROLINA, LLC  
CHARLOTTE, NORTH CAROLINA

April 2000



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

TEL: (912) 743-7175

FAX: (912) 743-1703

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OPERATIONS PLAN  
QUEEN CITY TRANSFER STATION  
CHARLOTTE, NORTH CAROLINA

SOLID WASTE SECTION  
ASHEVILLE REGIONAL OFFICE

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FIGURES

Figure No. 1 - Location Map

Figure No. 2 - Facility Layout

Figure No. 3 - Topographic Map

RULES

NCA NCAC 13B.0402

## 1.0 INTRODUCTION

### 1.1 PURPOSE

This Operations Plan has been developed for the Queen City Transfer Station located in Charlotte, North Carolina. This Operations 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 (Republic Services of North Carolina, LLC) with a manual that includes the necessary information and procedures to properly operate the transfer station in accordance with all-applicable rules and regulations. This manual serves as a guide to safely maintain and operate the transfer station. The plan addresses the following issues:

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

All personnel involved with the management or supervision of the facility operations will be required to review the plan, and to maintain the facility 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 FACILITY LOCATION

The Queen City Transfer Station is located in the City of Charlotte in Mecklenburg County on the North I-85 Service Road, approximately 1,500 feet west of Starita Road. The mailing address for the transfer station is 3130 N. I-85 Service Road, Charlotte, North Carolina 28206. Figure 1 provides a location map for the transfer station. The transfer station building occupies approximately 0.22 acres of the 5 acre parcel of property. Access to the facility is from a paved entrance road existing the N. I-85 Service Road.

## 1.3 FACILITY DESCRIPTION

The transfer station consists of a pre-engineered metal building with two trailer loading bays equipped with truck / trailer scales, and a separate scale with scale house for incoming or outbound loads. The facility entrance road and driveways are paved with asphaltic concrete.

The transfer station building consists of a tipping floor with two below floor grade loading bays located at the rear (south end) of the building. Incoming waste collection vehicles dump municipal solid waste (MSW) directly onto the tipping floor of the facility. From the tipping floor, a front-end loader pushes the waste into one of two hoppers into open top trailers specifically designed for hauling MSW. These trailers are located below floor grade level in the loading bays.

The transfer station building has metal panel walls on the west, south, and east sides. In addition, the building has 8-foot high concrete push walls adjacent to the exterior walls on the east and west sides. The north side of the building is completely open for incoming waste vehicles.

The leachate storage and handling system includes a trench drain for collection of leachate from the tipping floor. This trench drain is located along the entrance to the tipping floor, but under a roof extension being added specifically to promote stormwater / leachate separation. In addition, drains are located below each scale in the below floor grade loading bays for the collection of any liquids which may accumulate during normal operations. In addition to the scale drains, curbing has been installed adjacent to the below floor grade scales to further segregate stormwater and leachate. The transfer station is securing an industrial users discharge permit (for direct discharge to the Charlotte-Mecklenburg Utility Department (CMUD) sanitary sewer system). CMUD has provided a sanitary sewer collection line near the entrance to the facility. Leachate will be direct discharged into the CMUD sanitary sewer system via an on-site leachate force main.

The transfer station building apron and loading bays have a concrete paved surface. All access roads have an asphalt paved surface. The existing scale house is equipped with an above grade scale.

The owner of the transfer station is Republic Services of North Carolina, LLC (Republic). Republic will be responsible for all transfer station operations. The general manager will supervise the operations. The primary contact person for issues concerning operation of the transfer station is the general manager:

Mr. Dave Bevacqua  
Republic Services of North Carolina, LLC  
P.O. Box 217006  
Charlotte, NC 28221-7006  
(704) 596-2077

## 2.0 WASTE ACCEPTANCE CRITERIA

In accordance with 15A NCAC 13B .0402(1), a transfer facility 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 daily tonnage rate is subject to change due to fluctuations in the amount of waste delivered to the facility on any given day, and also due to seasonal fluctuations in the waste stream. The transfer station is designed to operate no more than 20 hours per day and to handle no more than 2,400 tons of waste per 24 hour day.

Incoming waste is primarily transported to the transfer station by private waste haulers. These vehicles (operated by private waste haulers) consist of rear, front, and side loader truck types. Commercial and industrial waste will also be transported to the facility by private waste haulers.

### 2.1 RECYCLABLE MATERIAL

The transfer station will not engage in the collection or storage of recyclable materials.

### 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, sludge, or radioactive waste. 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 Environmental & Natural Resources  
(NC DENR)  
Solid Waste Section  
P.O. Box 27687  
Raleigh, NC 27611-7687  
(919) 733-0692

Mecklenburg County Department of Environmental Protection (DEP)  
700 North Tryon Street  
Charlotte, NC 28207  
(704) 336-5500

### **3.0 TRANSFER STATION OPERATIONS**

The transfer station will typically receive waste Monday through Saturday. The daily operating hours will be set 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 facility, the only equipment required for safe and effective operation of the facility are rubber-tired front-end loaders, track excavators, transfer trailer trucks, and the scales. However, additional equipment may be utilized to facilitate loading operations. Republic will provide properly trained personnel

for daily operations of the transfer station and primary equipment, backup equipment, and equipment maintenance.

### 3.1 PERSONNEL

The transfer station operations will be supervised by the general manager. A minimum of two staff employees, a scale house 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 3.4 - 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 facility will enter the facility via the main gate where they will be required to be weighed via the inbound scales. Once vehicles have passed the scale house area, they will continue along the access road until reaching the transfer station. The transfer station building has existing 8-foot high concrete push walls along the east and west sides of the tipping floor, and two open below floor grade loading bays equipped with hoppers, located along the south end of the tipping floor below the tipping floor elevation.

The transfer station attendant will direct vehicles, waiting to unload, to back into the facility through the north 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. Once 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 hoppers located at the south end of the tipping floor. The waste will be placed within the open-top transfer trailers located in the lower level of the transfer station.

The lower loading bay areas (below floor grade) have been designed to provide sufficient space for drivers to exit their vehicles and to walk to safety in the event of an emergency. The majority of the waste deposited to this transfer station will be delivered to landfills owned and operated by Republic. These include the Uwharrie Regional MSW Landfill in Troy, North Carolina and the Union County Regional Landfill in Union, South Carolina. In the event that these destinations change, a written notification of change to another Subtitle D Landfill will be given to the proper local and state government agencies.

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 trucks to dump simultaneously. At no time will trucks be allowed to queue onto the N. I-85 service road.

The facility is designed so that leachate can be collected by a trench drain located on the upper level and in the drains beneath the scales located in the pit areas on the lower level of the transfer station. The upper trench drain is covered by the roof to divert excess precipitation. Leachate will be directly discharged into the CMUD sewer system via an on-site leachate force main.

The tipping floor will be cleared of all wastes at the end of each working day. No putrescible wastes 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. Refuse too large or otherwise unsuitable for storage in containers can be stored in a nuisance free manner.

### 3.3 TEMPORARY TIPPING FLOOR OPERATIONS

In the event that both transfer bays are inoperable at any time during operations, the facility will temporarily transfer waste from the tipping floor directly into open-top transfer trailers on the tipping floor. The loading of these vehicles will be done in a designated area of the building, located a sufficient distance away from vehicles unloading incoming waste to ensure safe and efficient operations.

### 3.4 INSPECTION OF WASTES

Access to the transfer station is controlled by the scale operator located at the entranceway to the facility. All waste entering the facility must pass the scale house prior to entering the tipping floor area. As waste is deposited onto the tipping floor, an employee 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 reloaded into the vehicle for removal from the site. Waste collection agreements on file for each of the waste delivery account allows the transfer station operator to maintain accountability for the different haulers utilizing the site. Should a hauler consistently deliver unacceptable material, they will be denied further access to the transfer station, and the local office of NC DENR and the Mecklenburg County DEP 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 facility operator and its employees.

In the event a "hot load" is discharged onto the tipping floor, the load will be isolated from the other waste and the City of Charlotte Fire Department (fire department) will be contacted immediately. Should a "hot load" occur in a collection vehicle, the attendant will not permit the load to be discharged onto the tipping floor. The fire department will be notified to identify the cause of the problem and to extinguish the fire in the load. Only when the fire department arrives and assesses the situation will the load be allowed to be discharged onto the tipping floor.

### 3.5 TRAFFIC CONTROL

Access to the transfer station is controlled by the scale house operator. All vehicles arriving at the facility are directed to the tipping floor area by the scale house operator after their weight is recorded. The site attendant directs the vehicle to the unloading area, as outlined in Section 3.2. The flow of traffic will be aided by directional signs. At no time will incoming vehicles waiting in line be allowed to queue onto public highways or city streets.

### 3.6 HOUSEKEEPING AND LITTER CONTROL

All incoming waste vehicles are required to have their loads tarped upon arrival at the site, 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, facility personnel will police the building and surrounding areas for any windblown litter. Since the transfer station is enclosed on three 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.

### 3.7 NOISE CONTROL

Noise created at the facility is a result of 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.

### 3.8 ODOR CONTROL

Odors are controlled by prompt unloading and transfer of all delivered wastes at the transfer station. Since access to the tipping floor is completely open, adequate fresh air exchange is ensured. 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 reopens 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 facility utilizes a mechanical odor control system that can be used when the above items fail to adequately control odors. However, under normal operating conditions, the system is not required at the facility, and is used only if necessary.

#### **4.0 EROSION CONTROL REQUIREMENTS**

Areas adjacent to the transfer station are graded away from the facility 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 and sediment ponds where applicable, 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 ponded water from coming in contact with waste, and to contain and properly discharge leachate.

The tipping floor and transfer loading bays will be emptied at the end of each operating day. The upper level trench drain and lower level drains will collect any leachate generated, and minimize areas of ponded water within the transfer station.

The tipping floor of the transfer station is sloped towards the trench drain located along the northern side of the upper level concrete floor slab. At no time should waste be dumped on or toward the opening of the transfer station. This area shall be maintained free of waste to prevent the clogging or overflowing of drains. The trench drain will collect any leachate generated on the tipping floor. The trench drain connects to a sewer line that travels from the upper level of the building. The sewer line then flows to a pump station which directs the leachate to a sewer force main discharging directly to the CMUD sanitary sewer system. The transfer stations' lower level contains two loading bays for transfer trailer vehicles. The bays are equipped with scales and drains that convey leachate by gravity to the pump station, which directs it to the sanitary sewer line.

## **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 leachate from the facility 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 facility 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 discharge 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 facility 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 will be submitted within 15 days. Verbal and written notification will be submitted to:

NC DENR  
Solid Waste Section  
P.O. Box 27687  
Raleigh, NC 27611-7687  
(919) 733-0692

Mecklenburg County DEP  
700 North Tryon Street  
Charlotte, NC 28207  
(704) 336-5500

## 9.0 FACILITY 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 facility. 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; and
5. Trench drain, floor drains, and yard hydrant.

Records of all facility inspections will be maintained in the scale house.

If unsatisfactory conditions are noted during the inspection, or by the transfer station personnel at any other time, the concerns will be reported to the general manager. If a threat to safety or to the environment is identified, immediate action will 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.

# APPENDIX

# FIGURES

**FIGURE NO. 1**  
**LOCATION MAP**

Mag 12.00  
Mon Jan 24 10:47 2000  
Scale 1:87,500 (at center)

2 Miles

2 KM

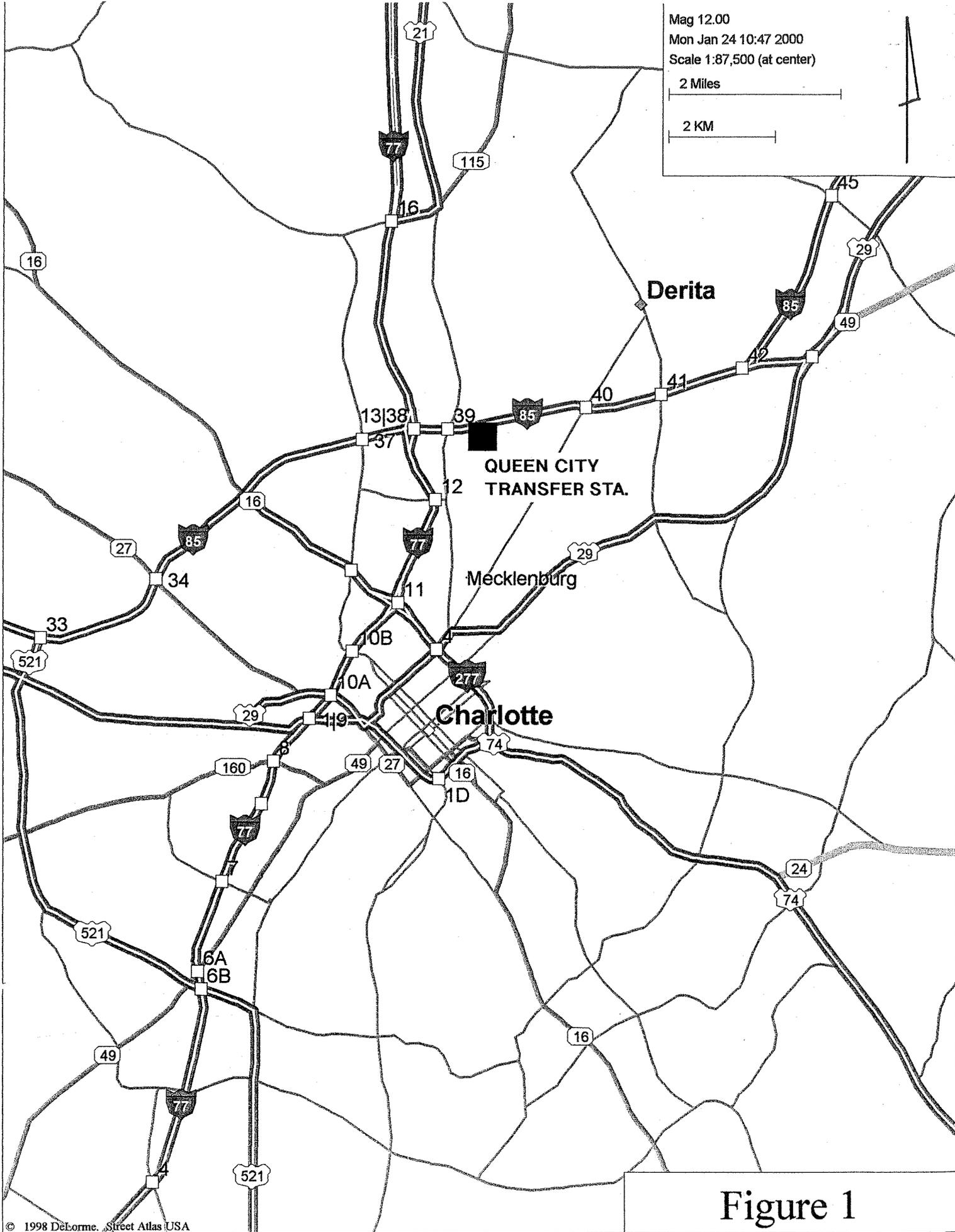
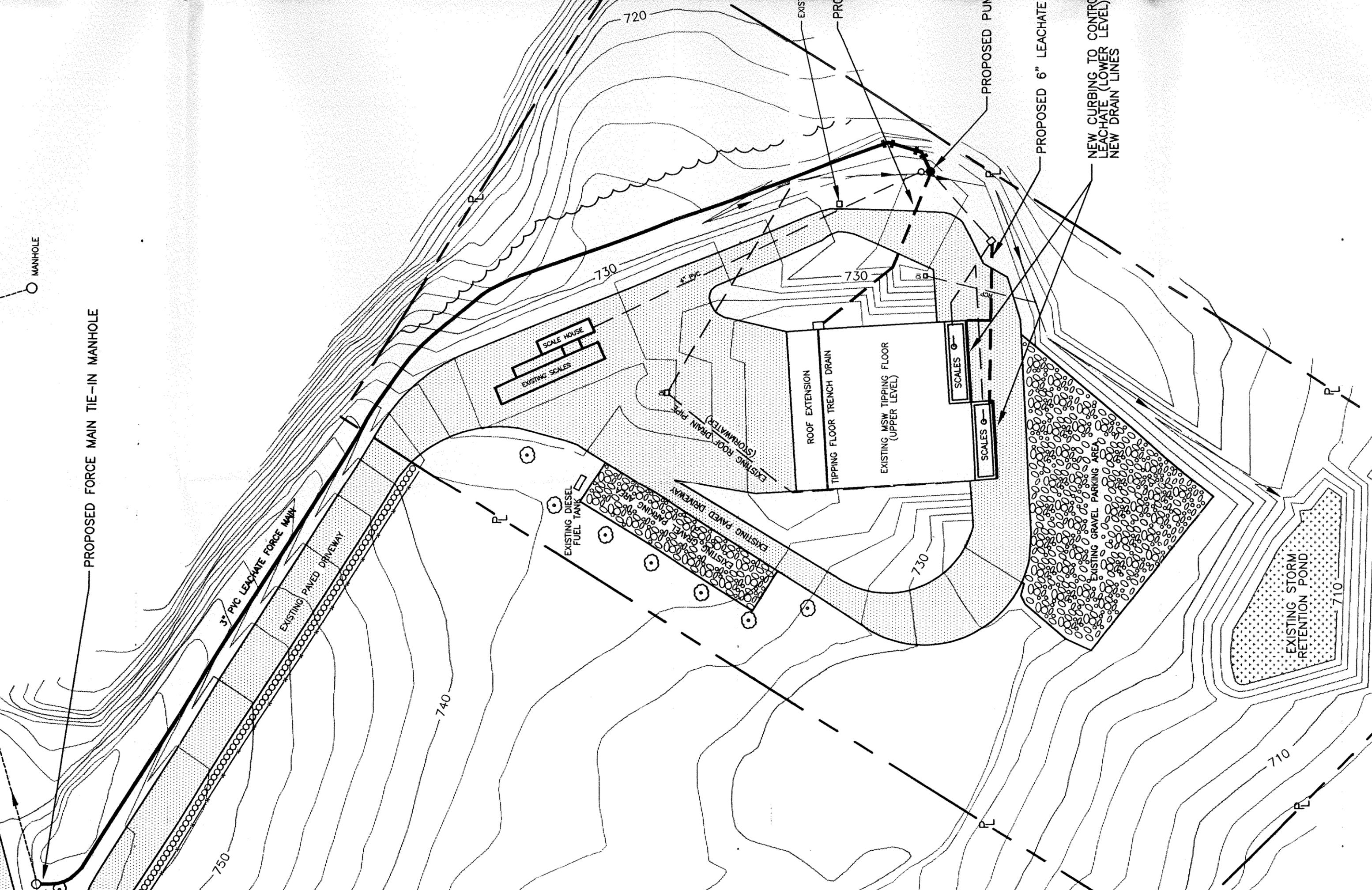


Figure 1

**FIGURE NO. 2**  
**FACILITY LAYOUT**



MANHOLE

PROPOSED FORCE MAIN TIE-IN MANHOLE

750

3" PVC LEACHATE FORCE MAIN

EXISTING PAVED DRIVEWAY

740

EXISTING DIESEL FUEL TANK

EXISTING GRAVEL PARKING AREA

SCALE HOUSE  
EXISTING SCALES

730

EXISTING ROOF DRAIN PIPE (STORMWATER)

ROOF EXTENSION  
TIPPING FLOOR TRENCH DRAIN

EXISTING MSW TIPPING FLOOR (UPPER LEVEL)

730

730

SCALES

SCALES

PROPOSED 6" LEACHATE

EXISTING GRAVEL PARKING AREA

NEW CURBING TO CONTROL LEACHATE (LOWER LEVEL)  
NEW DRAIN LINES

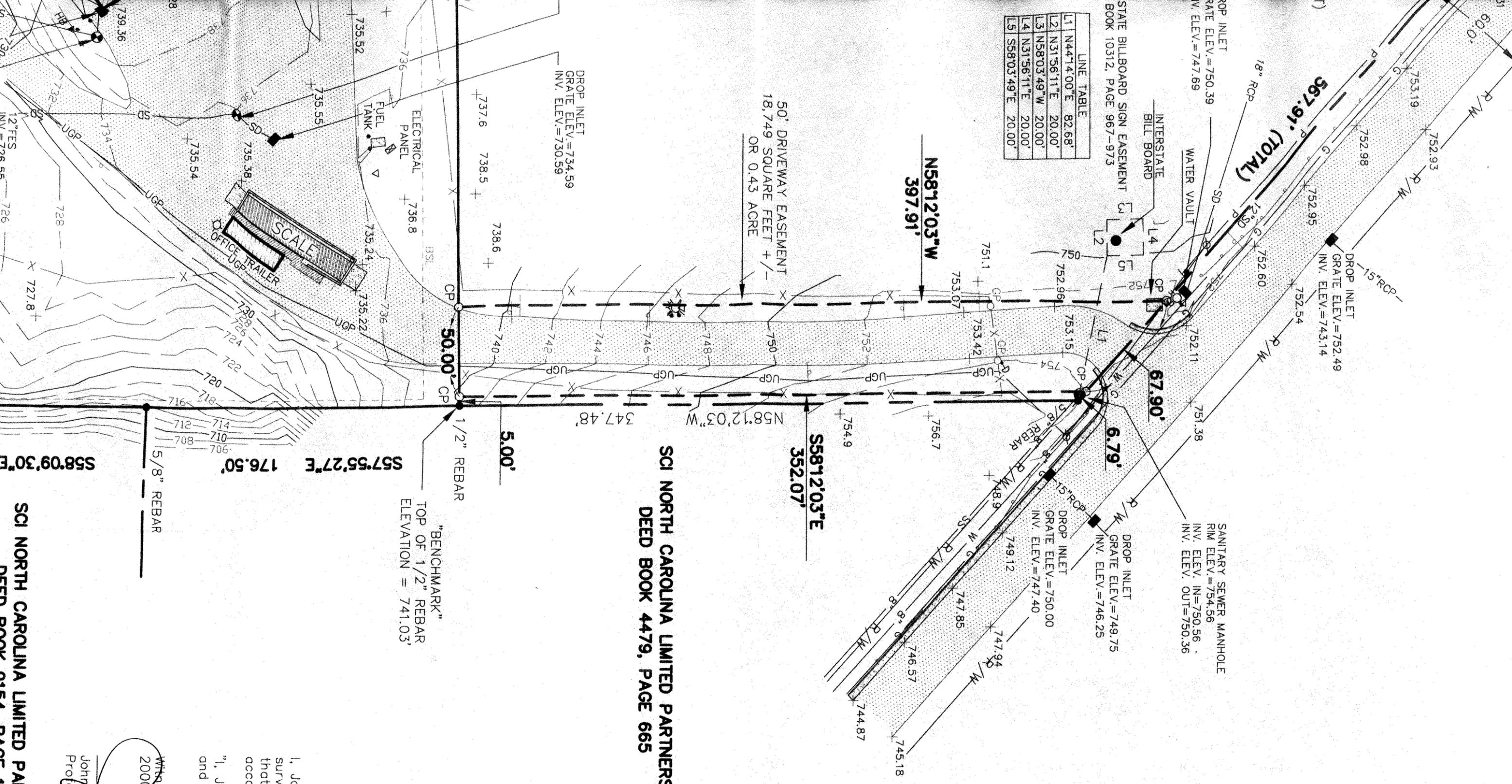
710

EXISTING STORM RETENTION POND

710

**FIGURE NO. 3**  
**TOPOGRAPHIC MAP**

LINE	BEARING	DISTANCE
L1	N44°14'00"E	82.68'
L2	N31°56'11"E	20.00'
L3	N58°03'49"W	20.00'
L4	N31°56'11"E	20.00'
L5	S58°03'49"E	20.00'



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- UTILITY POLE/GUY
- BOLLARD
- PROPERTY CORNER
- OVERHEAD POWER
- EXISTING WATER LI
- EXISTING GAS LINE
- STORM SEWER
- UNDERGROUND TEL
- UNDERGROUND PO
- SANITARY SEWER
- CHAIN LINK FENCE
- SET BACK LINE
- MANHOLE
- WATER VALVE
- WATER METER
- GAS VALVE
- GAS METER
- FIRE HYDRANT
- MAIL BOX
- DROP INLET
- SPOT ELEVATION
- ELECTRIC BOX
- SIGN
- CONTROL VALVE
- 2"PVC PIPE
- ELECTRIC METER
- CLEAN OUT
- HOSE BIBB
- RIP-RAP
- ASPHALT
- CONCRETE

I, John M. Story, certify that the survey made under my supervision that the ratio of precision as of accordance with G.S. 47-30 and does not create a new str

Witness my original signature, r  
2000.  
*John M. Story*  
John M. Story  
Professional Land Surveyor L-

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DEED BOOK 4479, PAGE 665

# RULES

# RULES

NCA NCAC 13B.402

**.0302 OPERATIONAL REQUIREMENTS**

Any person who maintains or operates a treatment and processing facility shall maintain and operate the facility in accordance with the following practices unless otherwise specified in the permit:

- (1) Operational plans shall be approved and followed as specified for the facility;
- (2) A facility shall only accept wastes which it is permitted to receive;
- (3) Water that comes in contact with solid waste will be contained on-site or properly treated prior to discharge from the site. A NPDES permit may be required prior to discharge to surface waters;
- (4) Equipment for fire control shall be available;
- (5) Effective vector control measures shall be applied to control flies, rodents, and other insects or vermin;
- (6) Equipment shall be provided in the storage and charging areas and elsewhere as needed or as may be required in order to maintain the facility in a sanitary condition; and
- (7) Appropriate methods shall be provided to confine material subject to be blown by the wind within the area. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator.

*History Note: Statutory Authority G.S. 130A-294; Eff. April 1, 1982.*

**SECTION .0400 - TRANSFER FACILITIES**

Rules .0401 - .0402 of Title 15A Subchapter 13B of the North Carolina Administrative Code (T15A.13B .0401 - .0402); have been transferred and recodified from Rules .0401 - .0402 of Title 10 Subchapter 10G of the North Carolina Administrative Code (T10.10G .0401 - .0402), effective April 4, 1990.

**.0401 APPLICATION REQUIREMENTS**

This Rule contains the information required for a permit application for each transfer facility. A minimum of three sets of the following information shall be required in each application:

- (1) Site and operation plans;
- (2) An approval letter from the unit of local government having zoning authority over the area where the facility is to be located, stating that the proposed facility meets all of the requirements of the local zoning ordinance, or that the site is not zoned; and
- (3) Any other information pertinent to the proposed facility.

*History Note: Statutory Authority G.S. 130A-294; Amended Eff. February 1, 1991.*

**.0402 OPERATIONAL REQUIREMENTS**

Any person who maintains or operates a transfer facility shall maintain and operate the facility in conformance with the following practices unless otherwise specified in the permit.

- (1) Operational plans shall be approved and followed as specified for the facility;
- (2) A facility shall only accept those wastes which it is permitted to receive;
- (3) Water that comes into contact with solid waste will be contained on-site or properly treated prior to discharge from the site. An NPDES permit may be required prior to discharge

- to surface waters;
- (4) Equipment for fire control shall be available;
  - (5) Effective vector control measures shall be applied to control flies, rodents, and other insects or vermin;
  - (6) Equipment shall be provided in the storage and charging areas and elsewhere as needed or as may be required in order to maintain the facility in a sanitary condition; and
  - (7) Appropriate method shall be provided to confine material subject to be blown by the wind within the area. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator.

*History Note: Statutory Authority G.S. 130A-294; Eff. April 1, 1982.*

### **SECTION .0500 - DISPOSAL SITES**

Rules .0501 - .0510 of Title 15A Subchapter 13B of the North Carolina Administrative Code (T15A.13B .0501 - .0510); have been transferred and recodified from Rules .0501 - .0510 of Title 10 Subchapter 10G of the North Carolina Administrative Code (T10.10G .0501 - .0510), effective April 4, 1990.

#### **.0501 APPROVED DISPOSAL METHODS**

(a) The disposal of solid waste shall be by the following approved methods or any combination thereof:

- (1) Sanitary landfill;
- (2) Land clearing and inert debris landfill;
- (3) Incineration; or
- (4) Disposal by other sanitary methods which may be developed and demonstrated to be capable of fulfilling the basic requirements of these Rules and which have been approved by the Division.

(b) The requirements of this Section shall not apply to municipal solid waste landfill units, which are defined under and subject to the requirements of Section .1600 of this Subchapter.

*History Note: Statutory Authority G.S. 130A-294; Amended Eff. October 9, 1993; January 4, 1993; September 1, 1990.*

#### **.0502 OPEN DUMPS**

A person operating or having operated an open dump for disposal of solid waste or a person who owns land on which such an open dump is or has been operating shall immediately close the site in accordance with the following requirements:

- (1) Implement effective vector control, including baiting for at least two weeks after closing, to prevent vector migration to adjacent properties;
- (2) If the site is deemed suitable by the Division, compact and cover existing solid waste in place with one foot or more of suitable compacted earth; a condition of closing the site by compacting and covering the waste in place shall be recordation of the waste disposal location by the property owner with the Register of Deeds in the county where the land lies. Copies of the recordation procedure may be obtained from and inspected at the Division of Solid Waste Management;

