



April 3, 2013

Mr. Allen Gaither, PE  
Regional Engineer  
Solid Waste Permitting Section  
Division of Waste Management  
North Carolina Department of Environment and Natural Resources  
2090 U.S. Highway 70  
Swannanoa, North Carolina 28778

RE: Permit Renewal Application for  
MSW and C&D Solid Waste Transfer Station  
at the Highlands C&D Landfill  
Permit No. 57-04T  
Macon County, North Carolina

Dear Mr. Gaither:

On behalf of Macon County, McGill Associates is submitting the following material in support of Macon County's permit renewal request for the MSW and C&D Solid Waste Transfer Station at the Highlands C&D Landfill, Permit No. 57-04T. Please find enclosed an original copy of the revised Operations Plan with associated Appendices and Figures, as well as an overall site plan of the facility. We have also enclosed a digital copy of the revised Operations Plan and Appendices along with an overall site plan of the facility.

Please call should you have any questions or need any additional information.

Sincerely,  
MCGILL ASSOCIATES, P.A.

A handwritten signature in blue ink, appearing to read "Scott Burwell", is written over a faint, larger version of the signature.

SCOTT BURWELL, PE  
Project Engineer

Enclosure

cc: Mr. Chris Stahl, Macon County  
Mark Cathey, PE, McGill Associates

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Engineering • Planning • Finance

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**OPERATIONS PLAN**

**MSW AND C&D SOLID WASTE TRANSFER STATION  
AT THE HIGHLANDS C&D LANDFILL**

**PERMIT NO. 57-04T**

**MACON COUNTY, NORTH CAROLINA**

**MARK D. CATHEY, P.E.**



Engineering • Planning • Finance  
*Asheville, North Carolina*

**March 2013**

**13.00703**



**OPERATIONS PLAN**  
**MSW AND C&D SOLID WASTE TRANSFER STATION**  
**AT THE HIGHLANDS C&D LANDFILL**  
**MACON COUNTY, NORTH CAROLINA**

**Table of Contents**

**Section**

**I Introduction**

- A.....Purpose of Plan
- B.....Facility Location
- C.....Service Area

**II Operations Procedures**

- A.....Overview
- B.....Personnel
- C.....Characterization of Waste Stream
- D.....Inspection of Wastes
- E..... Yard Waste Materials
- F..... Traffic Control
- G.....Housekeeping, Litter, and Vector Control
- H..... Dust and Fire Control
- I..... Wastewater Collection
- J.....Storm Water Management and Erosion Control
- K.....Zoning
- L..... Facility Inspections

**Appendices**

1. Flow Acceptance Letter from Town of Highlands WWTP and Town of Franklin WWTP
2. Zoning Letter from Macon County
3. Waste Screening Inspection Form
4. Leachate System Inspection Report

## **OPERATIONS PLAN**

### **MSW AND C&D SOLID WASTE TRANSFER STATION AT THE HIGHLANDS C&D LANDFILL MACON COUNTY, NORTH CAROLINA Permit Number: 57-04T March 2013**

#### **I. INTRODUCTION**

##### **A. Purpose of Plan**

This operations plan has been developed for the proposed Highlands Solid Waste Transfer Station located in Macon County, North Carolina. This plan has been prepared in accordance with the requirements of the North Carolina Department of Environment and Natural Resources (DENR), Division of Solid Waste Management, Solid Waste Rules (15A NCAC 13B).

The purpose of this plan is to provide the owner and operator with a reference manual that includes necessary information and procedures for properly operating the Transfer Station and complying with the applicable rules concerning the operation of processing facilities. All personnel involved with the management or supervision of operations at the facility will be required to review the Operations Plan and to maintain the facility in conformance with applicable requirements. A copy of the Operations Plan will be kept in the vicinity of the Transfer Station at all times.

##### **B. Facility Location**

The Solid Waste Transfer Station is located on property owned by Macon County along Rich Gap Road approximately 1.5 miles from the intersection with NC Hwy 28. This property will contain the transfer station, recycling facilities, scale house facility, household drop-off dumpsters, yard waste facility, trailer staging/storage area, and a tire drop-off area.

##### **C. Service Area**

The Transfer Station will provide service in the area of the Town of Highlands in Macon County.

## **II. OPERATIONS PROCEDURES**

### **A. Overview**

The Transfer Station consists of a pre-engineered metal building with an approximate 3,600 ft<sup>2</sup> tipping floor and lowered access/loading corridor for transfer trucks. Incoming waste collection vehicles deposit municipal solid waste (MSW) and construction and demolition (C/D) waste directly onto the concrete tipping floor of the facility. Once the MSW & C/D has been dumped onto the tipping floor, it is inspected for illegal wastes and/or hazardous wastes. Illegal and hazardous wastes are diverted from the waste stream and disposed of properly in a hazardous waste landfill. Once the waste has been inspected for unacceptable materials, a loader pushes the remaining waste to the rear of the tipping floor where it is dropped into a transfer truck on the lower level. The waste is then transferred to the Macon County MSW Landfill in Franklin North Carolina.

The normal working hours for the Transfer Station are 7:30 a.m. to 4:30 p.m., Monday through Friday. The transfer station is closed on Saturday and Sunday, however, all other landfill facilities will continue their present operating hours, Monday through Friday, 7:30 a.m. to 4:30 p.m. and Saturday, 8:00 a.m. to 2 p.m. (winter months every other Saturday). Both facilities are closed on the following holidays: Christmas and Thanksgiving and when the following holidays do not fall on Monday or Friday: New Year's Day and Independence Day.

### **B. Personnel**

The facility is owned and operated by Macon County. Three full-time Macon County employees are used to staff the new transfer station and solid waste collection area so that a minimum of two employees are on site while the transfer station is open. At least one employee will be on site during Saturday operation. These employees are properly trained in safety procedures and the inspection of incoming wastes (refer to section D, "Inspection of Wastes"). Training material published by the Solid Waste Association of North America (SWANA) is utilized for initial training of on-site personnel and for continuing education. The Transfer Station employees also direct and coordinate the movement of collection vehicles into and out of the Transfer Station.

### **C. Characterization of Waste Stream**

Macon County currently receives approximately 37,000 tons of waste each year. Approximately 10,000 tons (27%) of the County's waste stream is construction/demolition waste. Approximately 27,000 tons (73%) of the County's waste stream is MSW waste. Based on the existing MSW waste stream at the Highlands Convenience Center and the C&D waste stream received at the Highlands C/D Landfill the combined annual waste stream is projected to be 7,500 tons.

On or before August 1<sup>st</sup> of each year, the owner or operator shall report to the North Carolina Solid Waste Section, for the previous year beginning July 1<sup>st</sup> and ending June 30<sup>th</sup>, the amount by weight of the solid waste that was received at the facility and transported to the Macon County landfill.

The transfer station will only accept municipal solid waste, construction/demolition waste, and non-hazardous industrial waste generated in Macon County. Macon County will notify the division within 24 hours of any attempts to dispose of non-permitted waste.

The following wastes are prohibited from disposal at the transfer facility:

- Hazardous waste as defined within 15A NCAC 13A, including hazardous waste from conditionally exempt small quantity generators,
- Polychlorinated biphenyls (PCB) waste as defined in 40 CFR 761,
- Liquid wastes unless they are managed in accordance with Rule .1626(9).
- Wastes prohibited by Statute GS 130A-309.10 of the North Carolina Solid Waste Management Rules. These wastes include:
  - Used oil,
  - Yard trash,
  - White goods,
  - Antifreeze (ethylene glycol),
  - Lead-acid batteries,
  - Aluminum cans,
  - Whole scrap tires.
  - Motor oil filters,
  - Recyclable plastic bottles (excluding motor oil bottles),
  - Wooden pallets.
- Asbestos waste
- Wastewater sludges
- Wastes prohibited by Macon County Solid Waste Ordinance passed on July 2, 1996. These wastes include:
  - Burning or smoldering materials, or any other materials that would create a fire hazard,
  - Cardboard,
  - Radioactive Waste,

- Wet sludges that cannot pass the paint filter test,
- Aluminum cans,
- Metal drums of 50 gallons or more capacity unless drain holes are provided to prevent containers from holding liquid or unless filled with identifiable solid waste which is otherwise acceptable,
- Automobiles, truck or other motor vehicle bodies, large pieces of metal such as manufactured homes or farm equipment,
- Ash unless approved by the Solid Waste Director,
- Food, animal, and regulated medical waste,
- Wood waste greater than 6 inches in diameter at the butt end and greater than 4 feet in length,
- Lights containing mercury (commercial quantities),
- Automobile fuel tanks,

#### **D. Inspection of Wastes**

Access to the Transfer Station is controlled by properly trained employees, located at the entrance of the facility. As the contents of the collection vehicles are emptied onto the tipping floor, an employee will conduct visual inspections of the waste materials. If unacceptable waste is found, the driver of the vehicle will be instructed to terminate dumping and the unacceptable waste will be reloaded onto the vehicle for removal from the site. Examples of unacceptable wastes include large containers of liquid waste, sludges, drums that have not been emptied and crushed prior to delivery, and containers either smoking or emitting noxious vapors.

Macon County shall implement a program at the transfer station for detecting and preventing the disposal of unacceptable waste, especially hazardous or liquid waste. The program will include the following:

- Transfer station personnel will conduct random inspections of incoming loads. Inspections will occur at the transfer station on the tipping floor. The load will be carefully spread by a front-end loader with personnel trained to identify unacceptable waste, especially hazardous and liquid waste. If unacceptable waste is found, the driver of the vehicle will be instructed to terminate dumping and the unacceptable waste will be reloaded onto the vehicle for removal from the site. Random waste screenings will be performed on incoming loads at a frequency that ensures at least 1% of the waste stream by weight is screened, or, at a minimum, one load will be screened per week.
- If hazardous waste is identified during vehicle dumping, facility personnel will immediately notify the driver and if necessary, contact DENR and the Hazardous Materials Emergency Response Team. The appropriate information concerning the waste will be provided to those officials and the recommended steps will be taken until properly trained handlers of hazardous waste arrive on-

site. A sign with the words “No Hazardous or Liquid Wastes Accepted” shall be posted on an entrance sign.

- Transfer station personnel will maintain records of each load inspection. These records will be maintained in the operating record of the transfer facility. A copy of the Waste Inspection Form has been included in Appendix 4.
- Waste shall not be stored on the tipping floor after operating hours and the tipping floor and the transfer trailer loading area shall be maintained in sanitary, clean condition.
- Infectious or medical waste haulers are advised that the Transfer Station does not accept such wastes and that the hauler will have to transport the infectious wastes to an approved facility for disposal.
- Should a “hot load” occur in a vehicle using the facility; the attendant will not permit the load to be discharged onto the tipping floor. The vehicle operator will be advised to move the vehicle to a paved area located outside the Transfer Station where the load will be discharged. The local fire department will be notified prior to discharge to identify the cause of the problem and extinguish the load fire. Once the load has been extinguished and the cause determined, the load will be taken into the facility for disposal. No asbestos or animal wastes will be accepted at the Transfer Station.

The above limitations on the types of wastes that will be accepted do not circumvent the incidental wastes that may be found in the residential waste stream that is expected at the facility.

#### **E. Yard Waste Materials**

The following items will be accepted at the yard waste treatment and processing facility.

- Land Clearing debris consisting entirely of woody material such as roots, brush, saplings, stumps, and leaves
- Clean wood waste
- Wooden pallets

The following items are examples of materials that will not be accepted at the yard waste facility.

- Treated or painted lumber wastes
- Household waste including garbage bags
- Cardboard
- Any non-recyclable material

- Any non-yard waste materials.

Based on past tonnage rates, the yard waste treatment and processing facility at the Highlands C&D landfill is expected to receive approximately 200-tons of yard waste annually. This equates to an average receipt of approximately 4-tons per week.

- **Procedures**

- Vehicles containing yard waste debris will be weighed on the scales upon entry to and exit from the transfer station facility. (*Note:* If MSW or C&D wastes are co-mingled with yard waste, the hauler will be instructed to dispose of those materials in approved areas. The hauler will then be directed to the yard waste management area.)
- The hauler will proceed to the Yard Waste management area as designated on the attached site plan. Vehicles will enter the area by a gravel drive that runs south-southwest parallel to the landfill access road and lies to the east of the creek buffer area. The unloading area is of sufficient size to allow multiple vehicles to unload simultaneously. This area is adequate to handle expected traffic flow.
- Yard waste will be unloaded by the hauler. Small loads (e.g., from cars, pick-up trucks and small trailers) will be off-loaded by hand in such a manner that the unloading area is kept free of debris. Larger loads (e.g., dump trucks) will be unloaded as far from the access roadway as possible.
- As necessary, County staff will use appropriate machinery (e.g., backhoe, dozer) to push the waste into stockpiles. The stockpiles will be maintained so that stormwater runoff flows in a laminar fashion, thereby preventing point source runoff. County staff will also maintain the access roadway using County-owned equipment in a manner that prevents ponding and rutting. Crushed stone will be added to the roadway as necessary.
- During storage, the yard waste pile will be maintained so that air can freely flow through the pile to keep the temperature in the pile below 110-degrees Fahrenheit (F).
- The stockpile area is of sufficient size to store approximately 200-tons of yard waste material. Therefore, a qualified vendor capable of grinding the waste will be contracted to grind the waste 1-2 times annually. Yard waste material will be processed by use a grinder of a sufficient size to handle the waste type and volume. Processing time is expected to be less than one week per year.

- The yard waste, clean wood waste, and pallets will be utilized in the following ways:
  - Yard waste, clean wood waste, and pallets will be ground and used on site as ground cover or as a soil amendment, or it is taken to the yard waste facility at the Macon County Landfill to be mixed in with the other grindings to be used as an alternative daily cover.
- The yard waste treatment and processing area lies within the landfill facility. Therefore, zoning issues are addressed under the landfill facility permit.
- The yard waste treatment and processing area lies within the landfill facility. Therefore, local Fire District and Emergency Service response are addressed under the landfill facility permit.
- Alternate heavy equipment will be used in the event of breakdown or during servicing of equipment referenced in this document.
- Yard waste tonnages will be recorded using information derived from scalehouse records.

**F. Traffic Control**

Site personnel control access to the Transfer Station. A gate controls the entrance to the transfer station facility. As vehicles arrive at the Transfer Station, site personnel will direct the driver to position the vehicle at the correct unloading location once there is sufficient room to maneuver on the concrete floor. When the contents of the vehicle are emptied, the driver is instructed to move the vehicle away from the tipping floor and exit the Transfer Station.

During times when several vehicles are at the Transfer Station at the same time, haulers are instructed to wait within the staging area located outside the entrance to the building. The tipping area will allow for two (2) trucks to dump simultaneously.

**G. Housekeeping, Litter, and Vector Control**

Incoming wastes will be transported to the Transfer Station in covered or enclosed vehicles. Outgoing transfer trailers will also be covered or enclosed. Throughout the day and at the end of each working day, facility personnel will police the building and surrounding site for litter. Collected litter is placed in containers for proper disposal. A yard hydrant will be available to wash down the concrete tipping floor and adjacent equipment areas when needed. The equipment used for pushing trash on the tipping floor will also have a bucket equipped with a squeegee. The wash water flows into a trench drain located just inside of the building entrance. The drain will be covered by a metal grate to block large debris that might clog the drain. The metal grate is raked periodically and the collected trash is

placed into containers for proper disposal. The drain is connected to a six (6)-inch sewer line. The sewer line drains to a wastewater storage tank outside the Transfer Station. A wastewater hauling truck will be scheduled to pump out wastewater as needed when the tank leachate level reaches approximately 50% capacity indicated by the float alarm and weekly or monthly visual inspection.

Odors are controlled by prompt unloading and transfer of all delivered wastes at the Transfer Station. The open sides of the building and wall mounted ventilation fans located above the transfer trailer will provide adequate fresh air exchange to control odor problems.

The daily removal of solid waste in conjunction with daily housekeeping procedures effectively controls the development of vector related problems. The tipping floor is constructed of concrete, which is a relatively impervious, readily cleanable material. Floor and equipment wash-downs at the Transfer Station will also reduce both odor and vector problems. As described previously, wash water will be diverted to the wastewater storage tanks located outside the building. Licensed exterminators will also be available to visit the Transfer Station as needed.

#### **H. Dust and Fire Control**

Periodic wash down of the tipping floor and equipment will prevent excessive build-up of dirt and dust at the facility.

Fire control is provided by portable hand-held fire extinguishers as well as a yard hydrant located on both levels of the building, just outside of the building structure. Fire protection will be provided by the local fire department, which is aware of the fire control needs for the facility. In the event that a fire occurs, the local authorities will be notified immediately. The telephone numbers of local fire, police, ambulance and hospital facilities are posted in and around the facility at all times. In the event of a fire at the facility the DENR will be notified within 24 hours and written notification will be submitted within 15 days.

#### **I. Wastewater Collection**

Wastewater flow at the Transfer Station will consist of wash down water from the tipping floor. Wash down water will be collected by a trench drain and flow through gravity lines to a 5,000-gallon concrete storage tank. To ensure that rainwater does not enter the storage tank, a metal roof covers the tipping floor and the approaches to the station are sloped away from the transfer station building. Wash down water will only be used as necessary to clean to the tipping floor. Brooms and a sweeper attachment to a skid steer loader perform most of the cleaning operations.

Full trailers that must be staged overnight will be placed on the concrete pads at the trailer staging/storage area. The concrete pads drain to both the storm drainage system as well as the leachate collection system. In order to collect any leachate while the trailers are stored on the concrete pads, the line to the storm drainage system is plugged. If trailers are not stored on the concrete pads, the line to the leachate collection system is plugged to allow for any runoff to be collected by the storm drainage system.

A wastewater hauling truck will be scheduled to pump out wastewater based on the actual amount of wastewater produced. The County will empty the tank when it has reached approximately 50% capacity. The pumping schedule will insure that the tank will have adequate reserve capacity at all times. The wastewater will be hauled to the Town of Highlands Wastewater Treatment Plant. A copy of the acceptance letter is included in Appendix 1.

**J. Storm Water Management and Erosion Control**

Areas adjacent to the Transfer Station are graded away from the building. Gutters and downspouts will also be positioned on the building to divert discharge of storm water to diversion ditches and storm drains.

The existing sediment ponds onsite will be maintained based on standard erosion control practices.

**K. Zoning**

Macon County has no zoning requirements for the Transfer Station property. Correspondence from Macon County concerning zoning is included in Appendix 3. The Transfer Station is located on the property of a permitted Construction & Demolition Landfill facility.

**L. Facility Inspections**

Regular maintenance inspections of the facility will be conducted. The inspections will be conducted by site personnel who are familiar with the buildings and equipment at the site, as well as operations of the facility. Monthly inspections, at a minimum, will include inspections of the following:

- Building, foundation, and push walls
- Ventilation system
- Fire equipment
- Electrical systems
- Floor drains, well, pressure tank, and yard hydrant
- Wastewater storage tank

If unsatisfactory conditions are noted during the inspection or by Transfer Station personnel at any other time, the concerns will be reported to the Macon County Solid Waste Director. 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. In the unlikely event of a severe accident, the proper authorities will be notified and off-site support requested.

## **APPENDIX 1**

Flow Acceptance Letter from Town of Highlands WWTP and Town of Franklin WWTP

THE TOWN OF  
HIGHLANDS



Thursday, January 24, 2013

Macon County Department of Solid Waste Management  
109 Sierra Drive  
Franklin, NC 28734

Re: Leachate Management at the Highlands Transfer Station

Attn: Chris Stahl, Director

Dear Mr. Stahl,

We received your letter requesting that the Town of Highlands accept the leachate from the Highlands Transfer Station. It is our understanding that the leachate from the Highlands Transfer Station be treated at the Town of Highlands Wastewater Treatment Facility. Therefore, please consider this letter as acceptance from the Town of Highlands to treat the leachate from the Highlands Transfer Station at the Town of Highlands Wastewater Treatment Facility.

Sincerely,

  
Robert A. Frye, Jr.  
Town Manager

Cc: Alec Templeton  
S. L. Nix

RAF/SLN/rrs

Town Of Franklin  
Wastewater Treatment Plant  
70 West Main Street  
Franklin, NC 28734

August 15, 2007

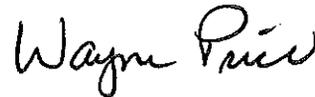
NCDENR – Solid Waste Section  
Permitting Branch  
1646 Mail Service Center  
Raleigh, NC 27699-1646

Dear Sir or Madam:

This letter is in response to a request from the Macon County Solid Waste Department for approval of approximately 2000 gallons per week of leachate from wash water from the proposed Highlands Transfer Station to be accepted and treated at this facility.

The Town and County have an existing agreement to accept up to 40,000 gallons per day of leachate from the Solid Waste Department. The volume of additional leachate requested for treatment will be accepted under the existing agreement and should have a negligible impact on the total volume of leachate accepted.

Sincerely,

A handwritten signature in black ink that reads "Wayne Price". The signature is written in a cursive style with a large, prominent "W" and "P".

Wayne Price  
ORC Franklin Wastewater  
Treatment Plant

## **APPENDIX 2**

Zoning Letter From Macon County

# MACON COUNTY PLANNING DEPARTMENT



Macon County Courthouse Annex  
5 West Main Street  
Franklin, NC 28734  
Phone 828.349.2212  
[sguffey@maconnc.org](mailto:sguffey@maconnc.org)

To: DENR Solid Waste Section  
Permitting Branch

September 14, 2007

To Whom It May Concern:

Outside the city limits of the towns of Highlands and Franklin, Macon County currently has no zoning regulations. Therefore, the C & D (Construction & Demolition) Landfill, located at 1080 Rich Gap Road, Highlands, NC is not subject to any zoning regulations. The C & D landfill is in compliance with all Macon County Codes and Regulations.

If you have any questions, or if this office can be of further assistance, please feel free to contact me.

Sincerely,

Stacy J. Guffey  
Macon County Planning Director

## **APPENDIX 3**

Waste Screening Inspection Form

MSW AND C&D TRANSFER STATION  
AT THE HIGHLANDS C&DLF  
MACON COUNTY, NORTH CAROLINA

RECORD OF WASTE INSPECTION

Date: \_\_\_\_\_ Time Crossed Scales: \_\_\_\_\_  
Truck Owner: \_\_\_\_\_ Driver's Name: \_\_\_\_\_  
Truck Type: \_\_\_\_\_  
Vehicle ID# or Tag #: \_\_\_\_\_  
Gross Weight: \_\_\_\_\_ Tare Weight: \_\_\_\_\_ Net Weight: \_\_\_\_\_ Tons: \_\_\_\_\_  
Waste Generating Company/Source: \_\_\_\_\_

Reason Load Inspected: \_\_\_\_\_ random inspection \_\_\_\_\_ staff initials  
\_\_\_\_\_ detained by scale house \_\_\_\_\_ staff initials  
\_\_\_\_\_ detained by T.S. operating staff \_\_\_\_\_ staff initials

Description of wasteload:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Disposition: Load Accepted (signature): \_\_\_\_\_ Date: \_\_\_\_\_  
Load Not Accepted (signature): \_\_\_\_\_ Date: \_\_\_\_\_

\*\* Reason Load Not Accepted: (completed this section only if waste NOT ACCEPTED)

Description of Suspicious Contents:

\_\_\_\_\_ color \_\_\_\_\_ Haz. Waste markings \_\_\_\_\_  
\_\_\_\_\_ texture \_\_\_\_\_ smell \_\_\_\_\_  
\_\_\_\_\_ drums present

Approximate cu. yds. in load \_\_\_\_\_

Approximate tons present in load \_\_\_\_\_

Macon County Emergency Management Contacted: \_\_\_\_\_ Yes \_\_\_\_\_ No

Hazardous or dangerous materials present: \_\_\_\_\_

Hauler notified (if waste accepted): \_\_\_\_\_

Phone #: \_\_\_\_\_ Time person contacted: \_\_\_\_\_

Other observations: \_\_\_\_\_

Final Disposition: \_\_\_\_\_

Signed by: \_\_\_\_\_ Date: \_\_\_\_\_

(Waste Screening Inspector or Supervisor)

cc: Director of Solid Waste

## **APPENDIX 4**

Leachate System Inspection Report

# LEACHATE SYSTEM INSPECTION REPORT

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ AM/PM NAME: \_\_\_\_\_

## Transfer Station

### Tipping Floor & Trench Drain

- Is there any standing water on tipping floor:  Yes  No
  - Is there debris clogging trench drain:  Yes  No
  - Is there any visible damage to trench drain:  Yes  No
  - Is there any standing water in trench drain:  Yes  No
  - Is there any indication that leachate has been present outside of containment area:  Yes  No
- 

### Pit Drain

- Is there any standing water in trailer parking area:  Yes  No
  - Is there debris clogging pit drain:  Yes  No
  - Is there any visible damage to pit drain:  Yes  No
  - Is there any standing water in pit drain:  Yes  No
  - Is there any indication that leachate has been present outside of containment area:  Yes  No
- 

### Transfer Station Leachate Tank:

- Are manhole covers properly in place:  Yes  No
  - Is high level alarm functioning properly:  Yes  No
  - Is there indication of leachate spill along main:  Yes  No
  - Approximate fill level of tank: \_\_\_\_\_
- 

### Trailer Staging Pads:

- Is there standing water on parking pads:  Yes  No
  - Is there debris clogging trench drains:  Yes  No
  - Are drain plugs properly in place:  Yes  No
  - Is there standing water in trench drains:  Yes  No
- 

If the answer to any of the statements above does not agree with the shaded areas, immediate attention is required. Please detail steps to correct any deficiencies on the Leachate System Maintenance Report attached. Additionally, complete report detailing any and all routine maintenance to the leachate system (e.g. leachate line cleanings; leachate transport to wastewater treatment plant).

## **LEACHATE SYSTEM MAINTENANCE REPORT**

If the answer to any of the statements above did not agree with the shaded areas, or if any other malfunction of the leachate system has occurred, this system maintenance report must be completed. On the report, list the nature of the problem and steps taken to correct the problem. If the breakdown resulted in leachate being released outside of the containment area, notify the Solid Waste Director and report to DENR immediately.

Description of Dificiency:

Corrective Action Taken:



WOOD WASTE  
TREATMENT &  
PROCESS AREA

CLOSED  
C/D LANDFILL

LEACHATE TANK

TRANSFER  
STATION

CONVENIENCE  
CENTER

RECYCLE  
CENTER

SCALEHOUSE  
AND SCALES

TRAILER STAGING AREA

C:\2013\13.00703\Design\Solid Waste\Drawings\13.00703-Site Plan.dwg 3/22/2013 11:09 AM BRIAN

**McGill**  
ASOCIATES  
ENGINEERING · PLANNING · FINANCE  
35 BROAD STREET ASHEVILLE, NC 28801 PH. (828) 252-0575 FIRM LICENSE # C-0459



HIGHLANDS TRANSFER STATION  
PERMIT RENEWEL 57-04T  
**MACON COUNTY**  
MACON COUNTY, NORTH CAROLINA

JOB NO.: 13.00703  
DATE: MARCH 2013  
DESIGNED BY: SB  
CADD BY: BW  
DESIGN REVIEW: —  
CONST. REVIEW: —  
FILE NAME: 13.00703-Site Plan.dwg

SITE PLAN

SHEET  
**C-101**

NO.	DATE	BY	REVISION DESCRIPTION