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OPERATIONS PLAN

**STONEY MOUNTAIN ROAD LANDFILL
SOLID WASTE TRANSFER STATION
PERMIT NO. 45-04T**

HENDERSON COUNTY, NORTH CAROLINA

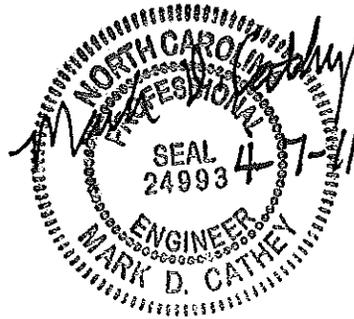
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December 2010
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OPERATIONS PLAN

STONEY MOUNTAIN ROAD LANDFIL SOLID WASTE TRANSFER STATION PERMIT 45-04T

HENDERSON COUNTY, NORTH CAROLINA

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December 2010
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APPENDICES:

- Appendix A: Zoning Compliance Letters
- Appendix B: Erosion and Sedimentation Control, Letter of Approval, North Carolina Department of Environment and Natural Resources, Division of Land Resources, Land Quality Section, July 13, 2010
- Appendix C: Figure 1, Boundary Plat, Stoney Mountain Road Landfill, Solid Waste Transfer Station, Permit No. 45-04T, Henderson County, North Carolina

Figure 2, Facility Plan, Stoney Mountain Road Landfill, Solid Waste Transfer Station, Permit No. 45-04T, Henderson County, North Carolina
- Appendix D: North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section, Municipal Solid Waste Transfer Station, Permit No. 45-04T, Permit to Construct, December 14, 2010
- Appendix E: Henderson County Household Hazardous Waste Facility Operations Plan
- Appendix F: Site Specific Health and Safety Plan for Henderson County Household Hazardous Waste Facility
- Appendix G: Letter Agreement with Waste Stream Innovations
Waste Stream Innovations, Solid Waste Composting Demonstration Permit, Permit No. SWCD-45-01
- Appendix H: Mulching Operations Data Log
- Appendix I: Emergency Site Selection Evaluation Sheet
- Appendix J: Composting Operations Data Log

OPERATIONS PLAN

STONEY MOUNTAIN ROAD LANDFILL SOLID WASTE TRANSFER STATION PERMIT NO. 45-04T

**HENDERSON COUNTY, NORTH CAROLINA
December 2010
Revised: April 2011**

INTRODUCTION

1.0 Overview

This Operation Plan has been developed for the Solid Waste Transfer Stations and other County operated/provided services at the Stoney Mountain Road Landfill Facility located in Henderson County, North Carolina. This plan has been prepared in accordance with the requirements of the North Carolina Department of Environment and Natural Resources (NCDENR), 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 Stations, and other ancillary services. The plan will assist the County with complying with the applicable rules and regulations concerning the operation of various 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 various operations at all times.

2.0 Facility Location

The Solid Waste Transfer Stations, Citizen's Convenience Center, Mulching and Grinding Treatment and Processing Facility and other ancillary services are located on property owned by Henderson County at 802 Stoney Mountain Road, or just north-northwest of Hendersonville, North Carolina. This property also contains closed municipal solid waste (MSW) landfills, a closed construction and demolition (C/D) landfill, and the Scale House Facility.

3.0 Service Area

The Transfer Station Facility and the ancillary collection/disposal facilities provide a means of waste collection and disposal services for waste materials generated in Henderson County only.

4.0 Zoning

The zoning for the property that compiles the Stoney Mountain Road Landfill Facility falls within three major zoning classifications. These classifications are: Local Commercial, Local Commercial (CD) and Residential-1. County owned and/or operated solid waste facilities are permitted in all zoning classifications in accordance with Chapter 200A, Henderson County Land Development Code, Article II, Zoning District Regulations, Subpart E. Table of Permitted and Special Uses, §200A-62. Table of Permitted and Special Uses. Zoning information for the site is provided in Appendix A.

5.0 Erosion and Sediment Control

The Henderson County Stoney Mountain Road Landfill has an approved Erosion and Sedimentation Control Plan, HENDE-2010-006, for the site as a part of the proposed Capital Improvements Project. A copy of the Letter of Approval along with a copy of the Certificate of Plan Approval is enclosed in Appendix B. Presently the facility has various drainage ditches and sediment ponds which convey and filter the stormwater prior to discharge off site. The proposed improvements will add various new lined and unlined conveyance channels in addition to seven (7) new sediment basins equipped with appropriately sized skimmers. All unpaved areas will be established with vegetative cover to prevent the erosion of the underlying soil material.

6.0 Boundary Plat / Facility Plan

The Boundary Plat is included in Appendix C as Figure 1, Boundary Plat, Stoney Mountain Road Landfill, Solid Waste Transfer Station, Permit No. 45-04T, Henderson County, North Carolina. The Plat defines a compilation of the metes and bounds description of the parcels that make up the Stoney Mountain Road Landfill Facility and the location of the Facility Boundary. Appendix C also includes a Facility Plan of the Stoney Mountain Road Landfill Facility as Figure 2.

7.0 Site Signage

Signs providing information such as the name of the facility, permit number, hours of operation, waste acceptance policies and other pertinent information will be posted at the entrance to the transfer stations and the convenience center.

Traffic control signs, markers and other pertinent informational signage will be provided as necessary to promote an orderly traffic pattern to and from the various disposal facilities and maintain efficient operating conditions.

8.0 Capital Improvements Project

The Capital Improvements Project for the Stoney Mountain Road Landfill Facility will enhance the County's ability to provide safe and efficient solid waste collection and disposal services for the commercial customers and the residents of Henderson County. These proposed improvements were originally approved for construction by the North Carolina Department of Environment and Natural Resources (NCDENR) in accordance with the Permit to Construct/Operate, Municipal Solid Waste Transfer Facility, Permit No. 45-04T, issued July 26, 2010. Changes were made to the Plans to include upgrades/modifications to the Transfer Stations and a new Permit to Construct/Operate, Municipal Solid Waste Transfer Facility, Permit No. 45-04T, was issued on November 30, 2010. A copy of the Permit to Construct/Operate, issued November 30, 2010, is included in Appendix D. The two major components of the proposed plan include the construction of the new access road and Scale House for use by the commercial customers and the construction of a new relocated Citizen's Convenience Center with a separate access road. The existing entrance into the Stoney Mountain Road Landfill Facility will be closed and permanently fenced. The existing scale house and scales will remain in place for weighing the transfer trailers prior to staging for hauling and disposal off site. Other major improvements will include the construction of a proposed Recycling and MSW Drop-Off Area, a proposed C&D Drop-Off Area, a proposed Composting Area and an upgraded White Goods Collection Area. The proposed Citizen's Convenience Center will provide collection facilities for recyclable products and MSW waste delivered by the residents of Henderson County. Other waste/recyclable material collection facilities at the Convenience Center will include waste oil/filters, antifreeze, cooking oil, batteries, and electronics. The Household Hazardous Waste (HHW) Collection Facility will be relocated to the Citizen's Convenience Center for operation on specific County-designated collection dates.

9.0 Henderson County School System

The Henderson County School System presently utilizes two areas within the landfill Facility Boundary for parking and/or storage of school system vehicles scheduled for maintenance or temporarily out of service. These areas are contiguous to the School Bus Maintenance Facility and are located north of the Maintenance Facility on either side of the existing cemetery. Security fencing is in place to isolate these vehicle storage areas from the landfill facility operations.

SOLID WASTE TRANSFER STATIONS

1.0 Overview

The Transfer Station facility consists of two pre-engineered metal buildings with a lowered access/loading corridor for transfer trucks. Transfer Station No. 1, constructed in 1977, has a tipping floor area of approximately 3,600 square feet and Transfer Station No. 2, constructed in 2007, has a tipping floor area of approximately 4,500 square feet. Each transfer station has a concrete paved floor with thirteen-foot (13') high concrete push walls along the sides that lead to open pits at the southern end of the building. These pit openings discharge directly into the transfer trailers staged below.

2.0 Facility Location

The Solid Waste Transfer Stations are operated by Henderson County. The Solid Waste Transfer Stations are located south of the closed MSWLF. The Facility Plan, Figure 2, Appendix C shows the location of the Solid Waste Transfer Stations.

3.0 Operating Hours

Normal operating hours for the Transfer Station are 8:00 a.m. to 4:30 p.m., Monday through Saturday. The Transfer Station is closed on Sunday and holidays, as designated by the County

4.0 Personnel

The facility is owned and operated by Henderson County. A minimum of two (2) staff employees is required for the daily operation of the Transfer Stations. These employees are properly trained in safety procedures and the inspection of incoming wastes (refer to Section 7, "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 Stations.

5.0 Access and Security

Under the proposed Capital Improvements Plan, the transfer stations, scalehouse and other ancillary disposal facilities in the general area of the transfer stations will be enclosed by security fences and gates. The proposed new Scale House and scales will be located at the site entrance to evaluate and weigh all incoming waste for proper disposal. A full-time scale attendant will be on duty at all times the Facility is open for the acceptance of waste for disposal. Unauthorized vehicle

access to the remaining portion of the Facility is controlled or prevented by other gated and/or buffered areas.

6.0 Traffic Control

Access to the site is controlled by fencing and manned gates. As vehicles arrive at the Facility, they must first cross the scales at the Scale House. The vehicles will be weighed in and directed to the appropriate disposal facility. Site personnel control access to the Transfer Station. 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 tipping 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 of each transfer station building will allow for two (2) to three (3) vehicles to dump simultaneously.

7.0 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 will be disposed of in an available transfer trailer or placed in containers for proper disposal. The equipment used for pushing trash on the tipping floor will also have a bucket equipped with a squeegee to enhance the ability to thoroughly push all waste to the chute opening and minimize wear of the tipping floor.

Odors are controlled by prompt unloading and transfer of all delivered wastes at the Transfer Stations. The Transfer Stations have the entrance end of the building completely open, which will allow adequate access to all areas of the buildings to ease operations, maintenance, and cleaning. The open end of the buildings and ventilation fans will provide adequate fresh air exchange to control odor problems. Floor and equipment cleaning and/or wash-downs at the Transfer Station will also serve to reduce odor problems at the facility. Should odor become a problem the County may opt to utilize commercially available deodorizers specifically formulated for use at solid waste facilities to control the odor.

The daily removal of solid waste from the tipping floor, in conjunction with daily housekeeping procedures, effectively controls the development of vector related problems. Floor and equipment cleaning and/or wash-downs at the Transfer

Station will also serve to reduce vector problems. Licensed exterminators will also be available to visit the Transfer Station as needed to control vectors.

The tipping floors of the transfer stations are constructed of concrete or other specialty type hard-surface materials which are readily cleanable surfaces. The tipping floor surfaces will be inspected at the end of each day's operations and will be cleaned as necessary to prevent the build-up of residual waste material. Cleaning activities may include regularly scheduled sweeping or wash-downs with hoses and spray nozzles. Wash-downs will also include the adjacent push walls. Yard hydrants are available to facilitate the wash-down activities. Periodically the tipping floors and push walls will be pressure washed and inspected for wear and/or other damage. Areas requiring repair will be addressed as necessary. As described below, wash water is collected and ultimately diverted to the County-operated pump station for ultimate disposal to the Cane Creek Sanitary District. Stagnant or ponded water shall be prevented from occurring to control mosquito breeding.

8.0 Dust and Fire Control

Under the proposed Capital Improvements Plan access to the transfer stations and other ancillary disposal facilities will be on paved surfaces and will be maintained in good condition. Furthermore, periodic wash down of the tipping floor and equipment will also prevent excessive build-up of dirt and dust at the facility.

Fire control is provided by an appropriate number of portable hand-held fire extinguishers as well as a yard hydrant located just outside the building. 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 NCDENR will be notified within 24 hours and written notification will be submitted within 15 days.

9.0 Storm Water Management

Areas adjacent to the transfer stations are graded away from the building to divert stormwater to designated storm drain conveyance structures/ditches. Gutters and downspouts are positioned on the building to divert discharge of storm water to designated storm drain conveyance structures/ditches.

10.0 Wastewater Collection

The wash water from the tipping floor flows into a trench drain located at each building entrance. The drain will be covered by a metal grate system to block large debris that might clog the drain. The metal grate is raked periodically and

the collected trash is placed on the tipping floor or into containers for proper disposal. As a part of the Capital Improvements Plan, each trench drain from the building entrances will be connected to a manhole located west of Transfer Station No. 2. From the manhole, the liquid will flow to a grit chamber located southwest of Transfer Station No. 2. Driveway drains are located on the lower level (transfer trailer staging area) to collect wash down water from this area. These drains also discharge to the grit chamber located southwest of Transfer Station No. 2. From the grit chamber the wastewater flows by gravity sewer to an on-site pump station operated by the County. The pump station ultimately discharges to the Cane Creek Sanitary District pump station located adjacent to the NCDOT Maintenance Facility.

The roof that covers each Transfer Station minimizes wastewater generation. The driveways are sloped away from the transfer station floor to restrict outside flow from entering building. Wastewater flow at the Transfer Station will generally consist of the wash down water.

11.0 Characterization of Waste Stream

The Henderson County Transfer Station will only accept municipal solid waste (MSW) and construction and demolition waste (C&D) generated within the Henderson County service area. No hazardous, liquid or infectious waste shall be accepted. Wastes prohibited for handling include those hazardous wastes as defined in 15A NCAC 13A (including hazardous waste from conditionally exempt small quantity generators), polychlorinated biphenyls (PCB) as defined in 40 Code of Federal Regulations (CFR) 761, septic waste, waste oil or any waste that is determined to contain "free liquids" as defined by the paint filter liquids test. In addition, the Transfer Station will not accept medical wastes, animal carcasses, hatchery waste or other animal waste.

12.0 Transfer Station Operation

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 waste material has been dumped onto the tipping floor, a loader will push the material to the rear of the tipping floor where it will be dropped into a transfer trailer on the lower level. The loader operator, properly trained to identify unacceptable waste, will observe each load as it is being pushed to the open chute. Should unacceptable material be observed, the loader operator will attempt to isolate the material from the waste stream or contact other County staff to assist in the removal of the noted material. Unacceptable waste will be handled in accordance with the procedures generally outlined in Paragraph 13.0 Inspection of Wastes.

The lower level of the Transfer Station facility has two drive-thru lanes (one for each building) for transfer trailer truck access. The open-top trailers are

positioned below the pit openings in the transfer station tipping floor by County operated site tractors. Once the trailers are in position, the operator will load the waste into the trailer. Once the trailer is loaded, the County-operated site tractor will remove the trailer and weigh the load for compliance with applicable load limits. Once the loaded trailer is in compliance with applicable load limits, it will be staged in the trailer staging area and covered with a tarp for ultimate hauling to a landfill for ultimate disposal.

Transfer trailers that are over the applicable load limits will be restaged under the pit opening and waste removed to bring the load into compliance with applicable load limits. The removed waste will be staged on the transfer station tipping floor for loading in the next available transfer trailer. Once the loaded trailer is in compliance with applicable load limits, it will be staged in the trailer staging area and covered with a tarp for ultimate hauling to the landfill.

Transfer trailers that are under the applicable load limits and are able to accept additional waste will be restaged under the pit opening and additional waste added to the trailer until full or within the applicable load limit. Once the loaded trailer is in compliance with applicable load limits, it will be staged in the trailer staging area and covered with a tarp for ultimate hauling to the landfill.

The loaded and staged waste transfer trailers will be transferred by truck to the Upstate Regional Landfill, South Carolina Facility I.D. No. 442441-1101, operated by Republic Services, located in Enoree, South Carolina per the County's Agreement with Republic Services of North Carolina, LLC, dated October 14, 2010. A permit modification will be applied for should the County desire to change the approved disposal site or add additional sites in the future.

13.0 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 periodic 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.

If hazardous waste is identified during vehicle dumping, facility personnel will immediately notify the driver and if necessary, contact NCDENR 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.

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.

14.0 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 the operations of the facility. Monthly inspections, at a minimum, will include inspections of the following:

1. Building, foundation, and push walls
2. Ventilation system
3. Fire equipment
4. Electrical systems
5. Trench Drains and driveway drains
6. Yard Hydrants
7. Grit collection chamber
8. County-operated pump station

If unsatisfactory conditions are noted during the inspection or by Transfer Station personnel at any other time, the concerns will be reported to the Henderson 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.

CITIZEN'S CONVENIENCE CENTER

1.0 Overview

Henderson County presently operates a small Citizen's Convenience Center east of the transfer stations and north of the Henderson County Activity Center. As a part of the proposed Capital Improvements Project, the Citizen's Convenience Center will be relocated to a designated area just west of the Closed C&D Landfill in the vicinity of the old TVA Landfill. A paved access road will be constructed to the facility with access directly to Stoney Mountain Road. Use of this access will generally be limited to the residents of Henderson County accessing the facility for the disposal of their personal household waste and recyclables. The facility will generally consist of a paved circular drive around the inside of a retaining wall. Recyclable material and MSW waste collection boxes will be staged on the lower side of the retaining wall. An attendant will be posted at the end of the access road, just prior to entering the Convenience center site. The Convenience Center will also contain facilities for the collection of other recyclable material (i.e., waste oil, antifreeze, batteries, etc.) along with the Household Hazardous Waste Collection Facility.

2.0 Facility Location

The existing Citizen's Convenience Center, operated by Henderson County, is located south of the closed MSWLF and northeast of the Henderson County Activity Center. The proposed Citizen's Convenience Center will be located to an area just west of the Closed C&D Landfill in the vicinity of the old TVA Landfill. The Facility Plan, Figure 2, Appendix C shows the location of the existing Citizen's Convenience Center and the location of the proposed Citizen's Convenience Center constructed as a part of the Capital Improvements Project.

3.0 Operating Hours

Normal operating hours for the Citizen's Convenience Center will be 8:00 a.m. to 4:30 p.m., Monday through Saturday. The Citizen's Convenience Center is closed on Sunday and holidays as designated by the County.

4.0 Personnel

The facility is owned and operated by Henderson County. A minimum of two (2) staff employees is required for the daily operation of the Citizen's Convenience Center. These employees are properly trained in safety procedures and the inspection of incoming wastes. These employees will be responsible for manning the attendant's station at the entrance, coordinating the flow of traffic within the convenience center, performing general housekeeping activities and coordinating the transfer in and out of the various collection boxes.

5.0 Access and Security

Under the proposed Capital Improvements Project, the Citizen's Convenience Center will be enclosed by security fences and gates. Access to the entrance road, off Stoney Mountain Road, will also be controlled by a gated entrance, fencing and natural buffer. Unauthorized vehicle access to the remaining portion of the Facility is controlled or prevented by other gated and/or buffered areas.

6.0 Traffic Control

Access to the Citizen's Convenience Center will be controlled by the attendant located at the end of the access road, just prior to entering the Convenience Center site. The attendant will direct the residents to the applicable disposal area based on the type of waste and/or recyclable material requiring disposal. The on-site personnel will monitor the internal site traffic and ensure that residents follow the prescribed traffic pattern to the various disposal stations and exit the site. The on-site personnel will also ensure that residents do not loiter around the site once their waste and/or recyclable material is properly disposed of.

7.0 Housekeeping, Litter, and Vector Control

Incoming wastes from the residents will be transported in covered or enclosed vehicles. Outgoing container boxes pulled from the Convenience Center will be covered or enclosed depending on the type of roll-off box and the material contained therein. Throughout the day and at the end of each working day, facility personnel will police the access road and the Convenience Center area for litter and other debris. This material will be collected and disposed of in the proper collection container. Odors will be controlled by promptly removing and disposing of the offending material. Vectors shall be controlled so as to protect the public health and welfare.

8.0 Fire Control

Fire control will be provided by an appropriate number of portable hand-held fire extinguishers. Fire protection will also 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 NCDENR will be notified within 24 hours and written notification will be submitted within 15 days.

9.0 Storm Water Management

Under the proposed Capital Improvements Project, stormwater management will be handled through the construction and maintenance of various stormwater management basins, collection inlets, piping and conveyance channels.

10.0 Wastewater Collection Facilities

Under the proposed Capital Improvements Project, wastewater collected from the MSW collection box area will be collected and drained to the on-site pump station operated by the County. The collection drains will be covered by a metal grate system to block large debris that might clog the drain. The metal grates will be periodically raked and the collected waste disposed of in an appropriate container.

11.0 Collection Facilities/Services

Municipal Solid Waste (MSW): Municipal solid waste delivered to the site by Henderson County residents in their personal vehicle will be collected for disposal in dedicated open-top roll-off boxes. County staff will coordinate the removal, disposal and staging of the roll-off collection boxes on an as needed basis.

Recyclable Material: The household recyclable material presently collected by Henderson County includes: containers (glass, metal, and plastic (bottles, jars and jugs)) and fiber (cardboard, newspaper, and mixed paper). The collection of additional recyclable material items will be initiated as markets and processing facilities become available. Recyclable material will generally be collected in dedicated recycle roll-off collection containers. County staff will coordinate the removal, unloading and staging of the recycle roll-off collection boxes on an as needed basis.

Waste Oil, Antifreeze and Used Oil Filters: A covered designated collection station presently exists at the existing convenience center and a new designated facility will be constructed at the Citizen's Convenience Center as a part of the Capital Improvements Project. Waste oil, used oil filters and antifreeze are periodically collected by an authorized recycler for processing.

Cooking Oil: A designated collection station presently exists at the existing convenience center and a new designated collection station will be provided at the Citizen's Convenience Center, constructed as a part of the Capital Improvements Project. Used cooking oil is periodically collected by an authorized recycler for processing.

Batteries: A designated collection station will be provided at the Citizen's Convenience Center, constructed as a part of the Capital Improvements Project. Used batteries will be periodically collected by an authorized recycler for processing.

Electronics: Electronics are presently collected at a site north of the transfer stations. This collection site will be relocated to the Citizen's Convenience Center, constructed as a part of the Capital Improvements Project. The electronic material presently collected includes, but is not limited to: cathode ray tube monitors (CRT), televisions, hard drives, scanners, fax machines, copiers, and other miscellaneous electronic equipment. The County will continue to collect these items as well as initiate the collection of additional electronic type devices as collection/processing services or markets become available. Electronics will be periodically collected by an authorized recycler for processing.

HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY

1.0 Overview

The County presently operates a facility for the collection of Household Hazardous Waste (HHW) products under EPA ID No. NCPH0450801. The HHW facility operates only on specific collection dates as designated by the County.

2.0 Facility Location

The existing HHW Collection Facility is presently located northwest of the transfer stations. Once the proposed new Citizen's Convenience Center is constructed as a part of the Capital Improvements Project, the HHW Collection Facility will be relocated to a permanent location within this facility. The Facility Plan, Figure 2, Appendix C shows the location of the proposed HHW Collection Facility at the proposed Citizen's Convenience Center constructed as a part of the Capital Improvements Project.

3.0 Wastes Received

The household hazardous waste collection facility only receives household hazardous waste (HHW) generated by homeowners from within Henderson County.

The household hazardous waste collection facility will not accept any radioactive waste, explosives or infectious waste.

4.0 Reporting Requirements

The County shall maintain records on the amount of household hazardous waste received for disposal at the facility and the amounts shipped off site for recycling, reuse, treatment and/or disposal. Records will be compiled on a monthly basis and maintained at the facility for inspection.

On or before August 1st of each calendar year, the County shall report to the Solid Waste Section the amount of household hazardous waste received at the facility and the amounts shipped off site for recycling, reuse, treatment and/or disposal. The reporting period shall be for the previous year, beginning July 1st and ending June 30th.

5.0 Operations Plan

The Henderson County Household Hazardous Waste Facility operates in general accordance with the Operations Plan included in Appendix E. The operator for the facility is Henderson County. The contact for the County varies periodically due to staff changes and/or reassignments of responsibilities within the County staff. The County staff responsible for conducting or overseeing a HHW collection event will be familiar with the procedures as outlined in the Operations Plan. The transporter and disposer/recycler, for a collection event or series of events, are contracted by the County as needed. The transporter and disposer/recycler will be properly licensed to perform the hauling and disposing/processing of household hazardous waste collected in conjunction with the HHW collection events. Certain items such as waste oil, used oil filters, antifreeze, batteries, etc. are collected through designated on-site collection facilities and are not generally collected as a part of a HHW collection event.

6.0 Site Specific Health and Safety Plan

A Site Specific Health and Safety Plan was developed for the operation of the HHW facility by Mountain Environmental Group in January, 2008. A copy of the Site Specific Health and Safety Plan is included in Appendix F. Henderson County operates the HHW facility in general conformance with the Site Specific Health and Safety Plan. Revisions to the Plan, relative to contacts, etc. are updated as needed.

OTHER SERVICES, COLLECTION FACILITIES AND/OR OPERATIONS

1.0 White Goods/Metals

The Stoney Mountain Road Landfill Facility accepts white goods and other recyclable metal products. These items are taken to a designated collection area located in the northeast quadrant of the facility property. The County staff manages the area by periodically stockpiling the material that does not contain chlorofluorocarbon (CFC) refrigerants until it is removed by an authorized scrap metal processor. All appliances containing chlorofluorocarbon (CFC) refrigerants are segregated from the other scrap metals at the time of delivery. Any refrigerator/freezer equipped with locking doors will have the door(s) removed immediately. The authorized scrap metal processor removes the refrigerant from the applicable appliances prior to processing the appliances as scrap metal for shipment to a regional market. Records of this activity are maintained on site.

The existing White Goods/Metals collection area, which will be upgraded as a part of the proposed Capital Improvements Project is located northeast of the closed MSWLF. The Facility Plan, Figure 2, Appendix C shows the location of the existing White Goods/Metals Collection area.

The White Goods/Metals collection area has also been designated as a Temporary Disaster Debris Staging/Storage Areas for vegetative waste from within Henderson County resulting from a significant natural disaster. A copy of the Permit application is included in Appendix H. The waste would be processed in accordance with this Plan or depending on the volume, may be removed for processing and/or disposal at an off-site permitted facility.

2.0 Scrap Tires

The Stoney Mountain Road Landfill Facility accepts scrap tires for recycling. Scrap tires are taken to a designated collection station located in the northeast quadrant of the existing Citizen's Convenience Center. The scrap tire collection area will remain in operation at the existing location. The scrap tires are manually loaded into covered transport trailers for shipment off site. Once the tire trailers are loaded, an authorized tire recycler will remove the trailers for processing.

The Facility Plan, Figure 2, Appendix C shows the location of the scrap tire collection area.

RECYCLING AND MSW DROP-OFF AREA

1.0 Overview

As a part of the Capital Improvements Project, the County intends to construct a drop-off area for recyclable material collected by the permitted haulers operating within the County as well as a collection area for MSW and C&D waste brought to the site for disposal by small commercial customers. Small commercial customers would generally be classified as those customers who do not have the capability to mechanically dump a load but must unload their waste by hand. The intent is to provide a location for them to discharge their load without causing undue congestion in and around the transfer station tipping floor. In addition, numerous permitted haulers now collect single stream recyclables in conjunction with their normal household MSW collection services. The proposed drop-off area would provide a location for these haulers to unload and/or consolidate their load of recyclables with other similar recyclables until such time as a full load is acquired, whereby the County would transport the load to a recycling facility for further processing.

2.0 Facility Location

The Recycling and MSW Drop-Off Area will be located at the Stoney Mountain Road Landfill Facility just north of the existing Citizen's Convenience Center. The Facility Plan, Figure 2, Appendix C shows the location of the proposed Recycling and MSW Drop-Off Area to be constructed as a part of the proposed Capital Improvements Project.

3.0 Operating Hours

Normal operating hours for the Recycling and MSW Drop-Off Area will be 8:00 a.m. to 4:30 p.m., Monday through Saturday. The Recycling and MSW Drop-Off Area is closed on Sunday and holidays as designated by the County.

4.0 Personnel

The facility is owned and operated by Henderson County. County staff will monitor the activities at the facility and provide assistance/direction as needed to ensure the safe and proper disposal of waste and/or recyclable material. The site will not be manned on a full time basis. The County staff may assist in the coordination of traffic in and around the site to ensure a continued safe operation. County staff will also coordinate the removal, dumping and staging of roll-off boxes on an as needed basis.

5.0 Access and Security

Access to the site is through the main entrance facility and Scale House. As each load of waste is weighed across the scales, the scale attendant will direct the customer to the appropriate disposal facility.

The site will be enclosed by fencing and gates to prevent unauthorized access.

6.0 Housekeeping, Litter and Vector Control

Incoming wastes will be transported in covered or enclosed vehicles. Outgoing container boxes will be covered or enclosed on an as needed basis depending on the type of waste and the distance to the ultimate disposal site. Throughout the day and at the end of each working day, facility personnel will police the area for litter. Mosquitoes and rodents shall be controlled so as to protect the public health and welfare.

7.0 Fire Control

In the event that a fire occurs, the local authorities will be notified immediately. Fire extinguishers are also available at the transfer stations. 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 NCDENR will be notified within 24 hours and written notification will be submitted within 15 days.

8.0 Storm Water Management

Under the proposed Capital Improvements Project, storm water management will be handled through the construction and maintenance of various storm water collection inlets, piping and conveyance channels.

9.0 Wastewater Collection Facilities

Under the proposed Capital Improvements Project, wastewater collected from the roll-off collection box area will be collected and drained to the on-site pump station operated by the County. The collection drains will be covered by a metal grate system to block large debris that might clog the drain. The metal grates will be periodically raked and the collected trash disposed of in an appropriate container.

C&D DROP-OFF AREA

1.0 Overview

As a part of the Capital Improvements Project, the County intends to construct a drop-off area for certain loads of construction and demolition (C&D) material brought to the site by commercial customers. The loads of C&D waste generally diverted to the C&D Drop-Off Area would be those loads containing sufficient recyclable materials (i.e., clean wood waste, rubble, scrap metal, etc.) to justify separation of the material prior to disposal of the unusable waste.

2.0 Facility Location

The C&D Drop-Off Area will be located at the Stoney Mountain Road Landfill Facility just north of the existing Citizen's Convenience Center. The Facility Plan, Figure 2, Appendix C shows the location of the proposed C&D Drop-Off Area to be constructed as a part of the proposed Capital Improvements Project.

3.0 Operating Hours

Normal operating hours for the C&D Drop-Off Area will be 8:00 a.m. to 4:30 p.m., Monday through Saturday. The C&D Drop-Off Area is closed on Sunday and holidays, as designated by the County.

4.0 Personnel

The facility is owned and operated by Henderson County. County staff will monitor the activities at the facility and provide assistance/direction as needed to ensure the safe and proper disposal of C&D waste material. The site will not be manned on a full-time basis. The County staff may assist in the coordination of traffic in and around the site to ensure a continued safe operation. Staff personnel will be trained in the type of materials that can be recycled and/or reused.

5.0 Access and Security

Access to the site is through the main entrance facility and Scale House. As each load of waste material is weighed across the scales and the scale attendant will direct the customer to the appropriate disposal facility.

The site will be enclosed by fencing and gates to prevent unauthorized access.

6.0 Housekeeping, Litter and Vector Control

Incoming wastes will be transported in covered or enclosed vehicles. Outgoing container boxes containing recyclable material or waste material will be covered or enclosed on an as needed basis depending on the type of waste and the distance to the ultimate disposal site. Throughout the day and at the end of each working day, facility personnel will police the area for litter. Mosquitoes and rodents shall be controlled so as to protect the public health and welfare.

7.0 Fire Control

In the event that a fire occurs, the local authorities will be notified immediately. Fire extinguishers are also available at the transfer stations. 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 NCDENR will be notified within 24 hours and written notification will be submitted within 15 days.

8.0 Storm Water Management

Under the proposed Capital Improvements Plan, storm water management will be handled through the construction and maintenance of various storm water collection inlets, piping and conveyance channels.

9.0 Operations

Selected loads of C&D waste material would be diverted to the C&D Drop-Off area for separation of the recyclable/reusable material prior to disposal of any residual waste material. The load of waste material would be discharged onto a contained paved surface and the recyclable/reusable material removed and/or separated from the unusable waste. The separation of the material will be performed by hand or with the use of on-site equipment depending on the general type of material being screened at the time. Items separated will generally be clean wood waste that can be ground as mulch, clean rubble that can be further processed and used by the County for road surfacing, and scrap metal that can be placed in the white goods/metal scrap pile for recycling. The residual waste will be collected and disposed of through the transfer station operation. Proper protective equipment will be worn by the site personnel during the separation process.

MULCHING AND GRINDING TREATMENT AND PROCESSING

1.0 Purpose of Plan

This operations plan has been developed for the Mulching and Grinding Treatment and Processing (MGTP) Facility located at the Stoney Mountain Road Landfill in Henderson 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, procedures, and applicable rules for properly operating the Treatment & Processing Facility. 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 MGTP Facility at all times.

2.0 Facility Location

The MGTP Facility is located at the Stoney Mountain Road Landfill Facility at 802 Stoney Mountain Road, Hendersonville, North Carolina 28791 and is operated by Henderson County. The MGTP Facility is located east of the closed MSWLF. The Facility Plan, Figure 2, Appendix C shows the location of the MGTP Facility.

3.0 Service Area

This MGTP Facility will provide service for all of Henderson County.

4.0 Siting Requirements

The proposed MGTP Facility siting requirements are described as follows:

- 1) The proposed MGTP Facility is not located in the 100-year flood plain.
- 2) A 50-foot buffer between all property lines and the treatment and processing areas is maintained.
- 3) The site grades are designed to ensure that there will be no standing water in the treatment and processing area and there will be no off-site drainage problems.
- 4) An all-weather gravel access road to the site will be kept passable at all times.
- 5) Access to the MGTP Facility is controlled by properly trained employees.

- 6) The area will be graded to divert runoff to a sediment basin. Both the ditches and the sediment basin can be utilized to control runoff from a potential fire.

5.0 Operations Procedures

5.1 Overview

The MGTP Facility will consist of an area of approximately 1.5 acres located east of the closed MSWLF. The location of the facility is shown in Figure 2, Appendix C. The facility is authorized to process and store not more than six thousand (6,000) cubic yards of acceptable material per quarter. At the present time the County has an agreement with Waste Stream Innovations (WSI) to collect and haul the mulchable material (land clearing debris, brush and tree limbs, pallets, etc.) to WSI's site at 4028 Haywood Road for processing. A copy of the County's Agreement Letter and a copy of WSI's Solid Waste Composting Demonstration Permit, Permit No. SWCD-45-01 is included in Appendix G. The mulchable material collected by WSI will generally be used as a part of the composting mixture in accordance with WSI's operating permit. Waste material not acceptable to WSI will be removed from the collection site and disposed of through the transfer station operation or processed through other means in accordance with the applicable rules and regulations. In the future a portion of the mulched material may be used as a bulking agent in the County's adjacent Small Type 1 Composting Facility.

The normal operating hours for the MGTP Facility will be 8:00 a.m. to 4:30 p.m., Monday through Saturday. The MGTP Facility is closed on Sunday and holidays, as designated by the County.

5.2 Personnel

The Facility is owned and operated by Henderson County. Specified County personnel will operate the MGTP Facility on an as needed basis depending on the intake of applicable waste. These employees are properly trained in safety procedures and the inspection of incoming 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 employees also direct and coordinate the movement of collection vehicles into and out of the MGTP Facility.

5.3 Technical Operational Requirements

The following operational criteria shall be met at the MGTP Facility:

- 1) Only clean, unpainted, untreated wood, land clearing debris, brush and tree limbs will be used in the mulching process. The facility will not process more than 6,000 cubic yards of acceptable material per quarter.
- 2) Mulched materials will be removed from the site several times a year to ensure that no more than 6,000 cubic yards of material are stored on site per quarter.
- 3) Sludges may not be included in mulched materials.
- 4) Neither hazardous waste nor asbestos containing waste shall be accepted at the mulching facility.
- 5) Household hazardous waste shall not be accepted at the mulching facility.
- 6) Material received at the site that can not be processed onsite will be removed from the collection site and disposed of through the transfer station operation or processed through other means in accordance with the applicable rules and regulations.
- 7) The Facility shall not allow uncontrolled public access.

A Mulching Operations Data Log is included as Appendix H. This log will be used to record operations activities/observations that take place at the site such as grinding operations, mulch material moved to other locations on site or transferred off site or any other activities pertaining to mulching operations.

The tonnage and classification of waste materials received at the Mulching and Grinding Treatment and Processing Facility as well as the tonnage of material hauled off site is recorded at the Scale House. These records will be monitored to ensure the volume of material processed and stored on site does not exceed 6,000 cubic yards during any given quarter. The facility's staff may periodically measure stockpiles of processed material to confirm the scale tonnage records and ensure compliance with the 6,000 cubic yard per quarter limitation.

5.4 Traffic Control

Access to the MGTP Facility is controlled by properly trained employees who are located at the Scale House of the SMRLF Facility. As vehicles arrive at the MGTP Facility, site personnel, when needed, will direct the driver to position the vehicle at the correct unloading location. When the contents of the vehicle are emptied, the driver is instructed to move the vehicle away from the MGTP Facility area.

5.5 Housekeeping, Litter, and Vector Control

Incoming wastes will be transported to the MGTP Facility 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 area for litter as necessary. Vectors shall be controlled so as to protect the public health and welfare.

5.6 Fire Control

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.

5.7 Storm Water Management

Standard erosion control practices, such as a sediment basin, silt fencing, vegetating slopes, and diversion ditches will be utilized at the site. Runoff from the processing area will be diverted through storm water conveyance channels to a sediment basin prior to discharge off the property.

5.8 Temporary Disaster Debris Staging/Storage Area

The MGTP Facility has been designated as one of the Temporary Disaster Debris Staging/Storage Areas for vegetative waste (i.e., brush, tree limbs, etc.) from within Henderson County resulting from a significant natural disaster. A copy of the Permit application is included in Appendix I. Prior to the use of the site as a temporary disaster debris staging or storage area, NCDENR's Senior Environmental Specialist with the Asheville Regional Office (828-296-4500) will be notified in order to activate the site for the collection of vegetative waste material. The waste would be processed in accordance with this Plan or depending on the volume, may be removed for processing and/or disposal at an off-site permitted facility. All waste resulting from a significant natural disaster will be removed from the staging/storage area within six (6) months of the triggering event and the site will be restored to its pre-event condition.

SMALL TYPE 1 COMPOSTING FACILITY

1.0 Purpose of Plan

This Operations Plan has been developed for the proposed Small Type 1 Composting Facility located at the Stoney Mountain Road Landfill in Henderson County, North Carolina. This Plan has been prepared in accordance with the requirements of the North Carolina Department of Environment, Health, 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, procedures, and applicable rules for properly operating the Composting Facility. 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 at the Landfill Office, in the vicinity of the Composting Site at all times.

2.0 Facility Location

The Small Type 1 Composting Facility is located at the Stoney Mountain Road Landfill at 802 Stoney Mountain Road, Hendersonville, North Carolina 28791 and is operated by Henderson County. The Small Type 1 Composting Facility is located just north of the Mulching and Grinding Treatment and Processing Area and the White Goods/Metal Area. The Facility Plan, Figure 2, Appendix C shows the proposed location of the Small Type 1 Composting Facility.

3.0 Service Area

The Composting Facility will provide service for all of Henderson County.

4.0 Siting Requirements

The proposed Small Type 1 Composting Facility site is located north east of the closed MSWLF, and just north of the Mulching and Grinding Treatment and Processing Area and the White Goods/Metals Area. The proposed Small Type 1 Composting area is not located over a closed disposal site. Siting requirements are described as follows:

- 1) The proposed Composting Facility is not located in the 100-year flood plain.
- 2) A 200-foot buffer is maintained between the composting facility and all residences.
- 3) A 100-foot buffer is maintained between the composting facility and water supply wells.

- 4) A 50-foot buffer is maintained between all property lines and the composting facility.
- 5) A 25-foot minimum distance between compost areas and swales or berms will be maintained in order to allow for adequate access of fire-fighting equipment.
- 6) Diversion berms and drainage ditches are designed to ensure that there will be no standing water in the composting area and there will be no off-site drainage problems and also to divert runoff from composting areas to sediment basins.
- 7) A 50-foot minimum buffer between perennial streams and the compost area will be maintained.
- 8) An all-weather gravel access road to the site will be kept passable at all times.
- 9) Site screening of the composting site is not required.
- 10) Access to the composting facility is controlled by properly trained employees.
- 11) The site has diversion berms leading to a sediment basin. Both the ditches and the sediment basin can be utilized to control runoff from a potential fire.

5.0 Operations Procedures

5.1 Overview

The Small Type 1 Composting Site will consist of an area of approximately 1 acre where composting will take place. The County intends to use yard and garden waste, silva cultural waste, untreated and unpainted wood waste, or any combination thereof in its composting operation. Additionally, there are additional clean wood materials available at the landfill for composting as a result of the mulching and grinding operation, but these materials are typically used prior to them becoming available for composting. Composted material will either be utilized on site as a soil amendment for newly grassed areas or given/sold to the public, in accordance with the Solid Waste Rules for Small Type 1 Composting Facilities. When compost is used as a soil amendment, the rate of compost use will be determined as the compost is developed and the chemical constituency of the material is known. The County will consult with the County Agricultural Extension to determine application rates.

Normal operating hours for the Small Type 1 Composting Site are 8:00 a.m. to 4:30 p.m., Monday through Saturday. The facility is closed on Sunday and holidays, as designated by the County.

5.2 Personnel

The facility is owned and operated by Henderson County. Specified County personnel will operate the Small Type 1 Composting Facility on an as needed basis depending on whether compost is being produced or not. These employees are properly trained in safety procedures and the inspection of incoming 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 employees also direct and coordinate the movement of collection vehicles into and out of the Composting Site.

5.3 Technical Operational Requirements

On or before August 1st of each year, the owner or operator shall report to the North Carolina Solid Waste Section, for the previous year beginning July 1st and ending June 30th, the type and amount of waste that was received at the facility and composted, the composting process that was used, and intended distribution of the finished product. The following operational criteria shall be met at the Composting Site:

- 1) Small Type 1 Composting Facilities shall process or store less than 6,000 cubic yards of material for composting per quarter, and occupy less than two acres of land.
- 2) The Composting Facility is not located over a closed-out disposal site.
- 3) Waste acceptable for a Type 1 facility may include yard and garden waste, silva cultural waste, untreated and unpainted wood waste or any combination thereof.
- 4) Sludges may not be included in a Type 1 Composting Facility.
- 5) Neither hazardous waste nor asbestos containing waste shall be accepted at the composting facility.
- 6) Household hazardous waste shall not be accepted at the composting facility.
- 7) The composting site shall not allow uncontrolled public access.
- 8) Compost shall be maintained at or above 131 degrees Fahrenheit for 3 days and aerated to maintain elevated temperatures. The temperature of all compost produced shall be monitored sufficiently to ensure that the pathogen reduction criteria are met.
- 9) Nitrogen bearing wastes shall be incorporated as necessary to minimize odor and the migration of nutrients.

A Composting Operations Data Log is included as Appendix J. This log will be used to record operations activities/observations that took place at the site such as windrow formation date, date and temperature recordings, materials used and source of materials, or any other activities pertaining to the composting operations. The tonnage and classification of waste materials received at the

Small Type I Composting Facility as well as the tonnage of material hauled off site is recorded at the scalehouse.

5.4 Traffic Control

Access to the Composting Site is controlled by properly trained employees who are located at the entrance of the landfill. As vehicles arrive at the Composting Site or landfill scales, site personnel will direct the driver to position the vehicle at the correct unloading location. When the contents of the vehicle are emptied, the driver is instructed to move the vehicle away from the Composting Site.

5.5 Housekeeping, Litter, and Vector Control

Incoming wastes will be transported to the Composting Site in covered or enclosed vehicles. Outgoing trailers will also be covered or enclosed. Throughout the day and at the end of each working day, facility personnel will police the area for litter. Vectors shall be controlled so as to protect the public health and welfare.

5.6 Fire Control

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 NCDENR will be notified within 24 hours and written notification will be submitted within 15 days.

5.7 Storm Water Management

Standard erosion control practices, such as a sediment basin, silt fencing, vegetating slopes, and diversion ditches will be utilized at the site. Runoff from the composting areas will be diverted to an existing sediment basin, prior to discharge to surface waters. Runoff from areas adjacent to the composting facility will be diverted around the composting operation.

CONTINGENCY PLAN

1.0 Purpose of Plan

Contingency Plans are developed to provide general guidance to the facility staff in the event normal operations are disrupted due to a naturally occurring event or other unanticipated situation.

2.0 Fire Control:

Fire control will be provided by an appropriate number of portable hand-held fire extinguishers. Fire protection will also 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, as well as the 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 NCDENR Solid Waste Section's Senior Environmental Specialist, in the Asheville Regional Office must be notified at (828) 296-4500 within 24 hours of the triggering event and written notification will be submitted within 15 days.

3.0 Power Failure:

Battery backup on the weigh system will provide for short term continued operation. This allows vehicles presently in the system to be weighed out and the computer operating system shut down. Incoming traffic will be temporarily held at the scale house pending the restoration of power. In the event of a prolonged power outage, load sizes may be estimated and the vehicles allowed to enter the appropriate waste disposal facility for disposal of their waste load. Estimated waste tonnages processed through the transfer station will be reconciled with the waste tonnages processed through the off-site disposal facility. Depending on information available from the power company, relative to the anticipated duration of the power outage, the County may opt to acquire and temporarily operate the weigh system with a portable generator.

On-site utility systems (i.e., pump stations, etc.) will be regularly monitored to ensure the wet wells (storage capacity) is not exceeded. Standby generator power will be brought in to operate the systems on an as needed basis.

4.0 Equipment Failure:

The County has sufficient back-up equipment to maintain continuous operations should any one piece be down for service or repair. However, should the need arise, the County will acquire basic operating equipment from other County departments or rent the appropriate equipment from local equipment rental companies or contractors.

5.0 Weather Related Issues:

The primary weather related issue pertains to ice and snow accumulation during the winter months. During inclement weather periods, the facility will not open in the mornings, for the acceptance of waste, until such time as adequate staff is on site to manage the daily operations and the access roads are adequately cleared and/or treated to provide safe ingress and egress to the various disposal facilities. County equipment will generally be used to maintain the access roads during inclement weather.

Inclement weather occurring during normal operating hours will be dealt with on a per occurrence basis. Safe ingress and egress will be maintained to the various waste disposal operations at all times. The facility will be closed should conditions deteriorate to the point that continued operations become unsafe for the customers, citizens and staff. The facility will remain closed until such time as weather conditions improve and/or safe access to the site can be restored.

6.0 Other:

Other disruptions to the normal waste disposal activities will be dealt with on a per occurrence basis. The landfill staff has the training and experience to handle situations as they may arise in order to protect the citizens, customers and other staff members as well as human health and the environment. Emergency personnel (i.e., police, fire, ambulance, etc.) will be notified on an as needed basis. The telephone numbers for the local response agencies are posted in and around the facility. NCDENR will be notified when required by the applicable rules and regulations.



Permit No.	Scan Date	DIN
4504	April 12, 2011	13591

April 7, 2011

RECEIVED
April 8, 2011
Solid Waste Section
Asheville Regional Office

Mr. Larry Frost
Environmental 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 to Operate, Amendment – Five (5)
Year Renewal
Stoney Mountain Road Landfill
Solid Waste Transfer Station
Permit No. 45-04T
Henderson County, North Carolina

Dear Mr. Frost:

We appreciate your review of the submittal pertaining to the application for a Permit to Operate, Amendment – Five (5) Year Renewal, for the Henderson County Transfer Facility, Permit No. 45-04T, Henderson County, North Carolina. The following is our response to your review letter, dated February 11, 2011, DIN 12895:

General

- 1. On January 10, 2011, Mr. Donald Herndon, Division Compliance Officer, sent you a letter entitled: Compliance History Review, Henderson County Transfer Station, Permit#45-04T, included was a four (4) page compliance review form. Complete the form and return it to Mr. Herndon.*

Response: The completed Compliance Review was completed by Ms. Natalie J. Berry, PE, Assistant County Engineer, Henderson County and returned to Mr. Herndon by Certified Mail. The document was received on January 27, 2011. A copy of the completed Compliance Review form and a copy of the Certified Mail receipt are enclosed for reference.

E n g i n e e r i n g • P l a n n i n g • F i n a n c e

McGill Associates, P.A. • P.O. Box 2259, Asheville, NC 28802 • 55 Broad Street, Asheville, NC 28801

828-252-0575 • Fax: 828-252-2518

Operations Plan

2. *In the section entitled Solid Waste Transfer Station, part 7.0 – Housekeeping, Litter and Vector Control:*
 - a. *Add to this section a description for cleaning the tipping floor daily.*

3. *In the section entitled Mulching and Grinding Treatment and Processing:*
 - a. *Insert information, procedures and policies that ensure the unit processes and stores less than 6,000 cubic yards of material per quarter.*
 - b. *Within this section the description brush is used several times, change this description to land clearing debris, brush and tree limbs. Note: grass and leaves are considered yard trash and must be composted.*
 - c. *Within this section it is not clear how the material will be treated should the WSI facility not accept the material; add a contingency plan to cover this circumstance.*
 - d. *Part 5.8 – Temporary Disaster Debris Staging/Storage Area:*
 - i) *Insert a statement that in order to activate this area the Section's Senior Environmental Specialist with the Asheville Region Office must be notified at (828)296-4500.*
 - ii) *Insert a statement that material must be removed and the site restored within 6 months or less of the activation date.*
 - iii) *Insert what materials the Facility is to accept; wood waste, land clearing material, C&D waste, (this is required information for TDDSS forms).*

4. *Insert a section in the Plan that addresses Contingency Plans, this section should address all known contingencies, such as:*
 - a. *Fire notification; remember the Section's Senior Environmental Specialist in Asheville Region Office must be notified (828) 296-4500, within 24 hours.*
 - b. *Power and equipment failures.*
 - c. *Weather related issues.*
 - d. *Other.*

Response: The Operations Plan, Stoney Mountain Road Landfill, Solid Waste Transfer Station, Permit No. 45-04T, Henderson County, North Carolina, has been revised to address the aforementioned comments. A copy of the revised Operations Plan is enclosed for your review.

In addition to the aforementioned enclosures, we have also included digital versions of the completed Compliance Review that was sent to Mr. Herndon, the Certified Mail Receipt, and the revised Operations Plan for the Stoney Mountain Road Landfill, Solid Waste Transfer Station, Permit No. 45-04T.

We appreciate your assistance with this project and look forward to working with you to obtain the Permit Renewal for the Solid Waste Transfer Station at the Stoney Mountain Road Landfill Facility in Henderson County, North Carolina. Please do not hesitate to call me or Mark Cathey should you have any questions concerning this submittal.

Sincerely,

McGILL ASSOCIATES, P.A.



WILLIAM H. SPERRY, PE
Project Manager

Enclosures

cc: Marcus Jones, PE, Director of Engineering, Henderson County, w/enc. via email
Natalie J. Berry, PE, Assistant County Engineer, Henderson County, w/enc. via email
Andrea Keller, NCDENR, Asheville Regional Office, SWS Compliance Officer, w/o enc.
Mark D. Cathey, PE, McGill Associates, w/enc.

Compliance Review

The applicant, Henderson County, is requested to provide the following information for all solid waste management facilities that Henderson County has been issued a permit by the Solid Waste Section. For purposes of the questions below, the phrase "within the past five years," means five years prior to the date of this request.

For each question that is marked with an answer other than "not applicable," please provide a written, detailed explanation, including how or if the matter has been resolved.

A. The following question applies to all of the applicant's solid waste management (including hazardous waste management) activities.

1. With respect to the applicant's solid waste management activities, check whether the applicant has been a party to or received any of the following within the past five years:

- a. Compliance Order with a penalty
- b. Compliance order without a penalty
- c. Order to cease operating
- d. Order to abate public health nuisance [130A-19];
- e. Order to abate imminent hazard [130A-20];
- f. Order to abate nuisance scrap tire site [130A-309.60]).
- g. Administrative Consent Agreement or Settlement Agreement (e.g., may involve revised permit conditions)
- h. Revocation or suspension of a permit
- i. Denial of a permit application for a solid waste management facility
- j. Penalty Collection lawsuit (lawsuit to collect an unpaid penalty)
- k. Confession of Judgment (for the payment and collection of an unpaid penalty or other monies owed to a special account, such as the scrap tire account or white goods account)
- l. Injunctive relief or law suit for injunctive relief
- m. Lawsuit for forfeiture of gain (N.C.G.S. §130A-28)
- n. Lawsuit for recovery of money (N.C.G.S. §130A-27)
- o. State Criminal action- misdemeanor or felony (N.C.G.S. 130A-25; 130A-26.1 and 26.2; 14-399)
- p. Federal criminal action-misdemeanor or felony

B. [Note: Questions 2 and 3 cover any type of environmental violation.]

Check all applicable boxes (ONE MUST BE CHECKED FOR EACH QUESTION).

Within the past five years:

2. The applicant has been convicted of, or pled guilty or no contest to, a criminal violation of a statute, regulation, or rule for the protection of the environment or conservation of natural resources.

- a. in state court
- b. in federal court
- c. not applicable

3. A monetary penalty (whether denominated as a civil penalty, an administrative penalty, a judicial penalty, or by some other designation), has been assessed against the applicant for the violation of a state or federal statute, regulation, rule, including a permit condition, or for the protection of the environment or conservation of natural resources.

- a. in a state forum
- b. in a federal forum
- c. not applicable

[Note: Questions 4 and 5 will encompass those situations where a solid waste management facility operated in violation of solid waste management statutes/regulations, as well as water quality, including groundwater and surface water, sedimentation and erosion control, and air quality statutes/regulations, among others.]

4. With respect to any solid waste management facility (including hazardous waste management) owned or operated by the applicant, a lawsuit for injunctive relief has been filed against the applicant for the violation of a statute, regulation or rule for the protection of the environment or conservation of natural resources.

- a. in state court
- b. in federal court
- c. not applicable

5. With respect to any solid waste management facility (including hazardous waste management) owned or operated by the applicant, a judgment, or consent judgment, for injunctive relief has been entered against the applicant for the violation of any statute, regulation or rule for the protection of the environment or conservation of natural resources.

- a. in state court
- b. in federal court
- c. not applicable

6. A permit for a solid waste management facility owned or operated by the applicant has been revoked or suspended.

- a. in a state forum
- b. in a federal forum
- c. not applicable

7. An environmental permit for any undertaking other than a solid waste management facility has been revoked or suspended.

- a. in a state forum
- b. in a federal forum
- c. not applicable

8. The applicant submitted a permit application for the proposed ownership or operation of a solid waste management facility that has been denied.
- a. in a state forum
 - b. in a federal forum
 - c. not applicable
9. A governmental agency or unit has notified the applicant in writing that the applicant has operated or is operating a solid waste management facility without the requisite permit.
- a. yes
 - b. not applicable
10. A governmental agency or unit has notified the applicant in writing that the applicant has operated or is operating a solid waste management facility outside the scope of the permitted activity.
- a. yes
 - b. not applicable
11. A governmental agency or unit has notified the applicant in writing that the applicant has operated or is operating a facility or undertaking other than a solid waste management facility without the requisite environmental permit(s).
- a. yes
 - b. not applicable

The applicant may be requested to provide a written, sworn statement certifying the status of the matter.

If the applicant certifies that the applicant is now in compliance, the applicant may be asked to submit proof from the agency having jurisdiction over the violation that the applicant is in the process of correcting or has corrected the violation to the satisfaction of the agency.

The applicant will be asked to certify the truth and accuracy of the answers provided to these compliance review questions.

I, NATALIE JO BERRY, hereby certify on behalf of Henderson County as applicant's Asst. County Engineer (title of position with applicant), that I have read the foregoing answers provided to the Compliance Review, that the information and answers contained in the responses to the Compliance Review are true and accurate based on my own knowledge and my review of documents and that I have not omitted any material information or falsified any information contained in the foregoing answers. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Signature/printed name and title:

Natalie Jo Berry PE Asst. County Engineer
 NATALIE JO BERRY PE ASST. County Engineer

Attest: NATALIE JO BERRY PE
Compliance Review Inton

State of North Carolina
County of Henderson

Sworn and subscribed to before me this the 24th day of Jan, 2011.

Jf L Ph
notary public

My Commission expires: Nov 26, 2011

