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TRANSMITTAL LETTER

To: Mr. Allen Gaither

From: Paul Dow

Date: November 6, 2008

cc:

Subject: Yancey-Mitchell County Transfer Station Operations Plan

Mr. Gaither,

Please find the enclosed signed Operations Plan for the Yancey-Mitchell County Transfer Station. I have emailed an electronic copy to you as well.

As always, thank you for your assistance. I will be in touch with you soon regarding further permitting requirements.

Sincerely,

Paul Dow

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OPERATIONS PLAN
TRANSFER STATION

YANCEY COUNTY, NORTH CAROLINA

Prepared for
Yancey County, North Carolina

Original: June 12, 2007
Revision 1: September 5, 2008

Prepared by
Altamont Environmental, Inc.
50 College Street
Asheville, North Carolina 28801
(828) 281-3350

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SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE

CERTIFICATIONS

To the best of my knowledge, after thorough investigation, I concur with the information contained in or accompanying this certification.

Michele Lawhern
Yancey County Manager

To the best of my knowledge, after thorough investigation, I concur with the information contained in or accompanying this certification.

Transfer Station Operator
Republic Services of NC, LLC

To the best of my knowledge, after thorough investigation, I concur with the information contained in or accompanying this certification.

NORTH CAROLINA PROFESSIONAL SEAL 034380 ENGINEER PAUL DOW

Paul Dow, P.E.
Altamont Environmental, Inc.

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1.0 INTRODUCTION

A. PURPOSE OF PLAN

This plan has been developed as guidance for operations of the Municipal Solid Waste (MSW) and Construction and Demolition Solid Waste (C&D) Transfer Station (Transfer Station) located at 661 Landfill Road, Burnsville in Yancey County, North Carolina (County). This plan has been prepared in accordance with the requirements of the North Carolina Department of Environment and Natural Resources (DENR), Division of Waste Management, Solid Waste Management Rules codified under Title 15A, Chapter 13, Subchapter B of the North Carolina Administrative Code (15A NCAC 13B). This plan replaces the July 1994 *Solid Waste Transfer Station Operating Procedures* prepared by McGill Associates, P.A. Consulting Engineers.

The purpose of this plan is to provide the owner (County) and operator (Republic Services, LLC) with a reference document that includes necessary information and procedures for properly operating the Transfer Station and complying with the applicable rules concerning transfer stations. The plan addresses the following issues:

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

All personnel involved with the management or supervision of the facility will be required to review the Operations Plan and to maintain the facility in conformance with the applicable requirements. A copy of the Operations Plan will be kept at the Transfer Station at all times.

B. FACILITY LOCATION

The Transfer Station area is approximately two miles north of the intersection of North Carolina Highway 80 and US Highway 19E. The address is 661 Landfill Road, Burnsville, North Carolina 28714. Figure 1 provides a site location map.

The property on which the Transfer Station is located includes a mixture of land uses. In the vicinity of the Transfer Station, the County currently operates a landfill gas-to-energy facility, a shooting range, a treatment and processing area for land clearing debris, and maintains closed landfill areas. Figure 2 provides a site diagram showing the locations of the facility operations.

C. SERVICE AREA

The primary service area for the Transfer Station is Yancey and Mitchell Counties. Primarily, the Transfer Station will accept MSW and C&D originating from either county.

2.0 OPERATIONS

A. OVERVIEW

The facility is owned by Mitchell and Yancey Counties, managed by Yancey County, and operated by Republic Services of NC, LLC. Waste is transported from the Transfer Station to the Foothills Environmental Landfill located in Caldwell County, North Carolina.

The Transfer Station property is secured by a locking gate that blocks access to the site after closing each day. The North Toe River provides further isolation of the property to the north.

Normal working hours for the Transfer Station are 7:00 a.m. to 4:00 p.m. Monday, 8:00 a.m. to 4:00 p.m. Tuesday through Friday, and 8:00 a.m. to 12:00 p.m. Saturday. The facility is closed on Sunday and the following holidays: New Year's Day, Independence Day, Thanksgiving Day, and Christmas Day. The schedule is subject to announced changes, as deemed necessary by the County.

The Transfer Station operations consist of a scale and a pre-engineered metal building with a single loading bay. All vehicles conveying MSW and C&D are weighed upon entry and exit from the facility. The metal building is constructed on a concrete slab sloped to direct water that comes into contact with solid waste into an onsite collection tank. Incoming waste from vehicles bearing MSW and C&D should be deposited directly onto the tipping floor. A rubber-tired loader should be used to push the waste from the tipping floor into a trailer parked in the adjacent loading bay. The bucket on the loader must be equipped with a compression molded rubber cutting edge to protect the Transfer Station floor from damage.

Refuse too large or otherwise not suitable for transfer in trailers should be reduced in size by the waste generator so that it can be safely transferred by the County or its contractors.

In addition to the Transfer Station operations related to MSW and C&D, several activities are conducted at the facility. Automobile batteries are stockpiled on a pallet located on the concrete slab adjacent to the

scale house. When a pre-determined amount of batteries has been accumulated, the County notifies Tri-State Batteries. This company removes the batteries from the facility and recycles the usable materials. White goods and metals are stored in a location adjacent to the Transfer Station. Land clearing debris is stored at a designated location south of the transfer station building. The operator shall direct the placement of such materials to the appropriate location.

B. PERSONNEL

The facility is owned by Mitchell and Yancey Counties, managed by Yancey County, and operated by Republic Services of NC, LLC. Two employees certified by the Solid Waste Association of North America (SWANA) are assigned to the Transfer Station for routine operations. Typically, these include an equipment operator and a Transfer Station manager. These employees must be properly trained in basic safety procedures and inspection of incoming wastes (refer to section C, "Inspection and Acceptance of Wastes"). Training material published by the SWANA, should be utilized for initial training of onsite personnel and as part of continuing education.

The Transfer Station must be staffed during all operating hours by at least one certified operator. However, two certified employees must be onsite if required for health and safety reasons. The operator must perform all work in a safe manner. Work not requiring two employees for health and safety reasons can be conducted with one employee provided a second certified and qualified employee is available within a 60-minute drive time of the Transfer Station.

C. INSPECTION AND ACCEPTANCE OF WASTES

Access to the Transfer Station must be controlled by properly trained employees. Waste screening should first take place at the scale house near the entrance of the facility. As the contents of collection vehicles are weighed, the scale attendant should inquire about the contents of the waste and visually inspect the container. Inspections should be conducted on a random basis. Approximately 1% of the waste stream should be thoroughly screened in order to determine its contents. Inspections should concentrate on commercial and industrial generators. A "Waste Inspection Form" should be used to record all screenings. Records should be kept of rejected wastes.

Land clearing debris destined for the Treatment and Processing area shall be stumps, trees, limbs, brush, unpainted and untreated wood, and other naturally occurring vegetative material. Similar debris, such as leaf collection operations, is not permitted. The placement of land clearing debris shall be restricted to the smallest area feasible and compacted as densely as practical. The land clearing debris will be ground and/or removed from the Treatment and Processing area prior to the volume of the debris exceeding 6,000 cubic yards, or approximately seven feet in height.

If unacceptable wastes are found, the driver of the vehicle will be instructed to leave the facility. If unacceptable wastes are inadvertently dumped onto the tipping floor, the waste will be reloaded onto the vehicle and removed from the site. Examples of unacceptable wastes include hazardous wastes (defined by 15A NCAC 13A), poly chlorinated biphenyl (PCBs as defined in 40 CFR.761), liquid wastes, wastes prohibited or required to be recycled by local ordinance, used oil, yard trash, white goods, antifreeze, whole scrap tires, medical waste, lead acid batteries, sludge, asbestos-containing material, animal wastes, and containers that are either smoking or emitting noxious vapors. The Operator must notify a Regional Waste Management Specialist or Regional Environmental Technician with the DENR within 24 hours of receiving non-permitted waste.

If a burning or smoldering load is discovered upon arrival at either the scale house or the tipping floor, the attendants will not allow discharge of the waste. The vehicle operator must be advised to move the vehicle to a safe area as directed by facility staff. The load must then be discharged at that location. The local fire department shall be summoned in all cases. If the load is burning wood, it should be extinguished by use of an approved fire extinguisher or appropriate soils. If the burning material is not wood, then facility staff shall monitor the situation until arrival of fire department personnel. Once the fire has been extinguished and the cause determined, the load should be placed into the trailer for disposal, if appropriate.

If hazardous waste is identified in vehicles arriving at the Transfer Station or while on the tipping floor, personnel shall immediately notify the driver and, as appropriate, contact the DENR and the County Emergency Management personnel. If such an event occurs, the public and untrained County personnel must be kept away from the area until Emergency Management personnel clears the scene. Available

information concerning the waste should be provided to the emergency management personnel by the certified operator.

Routine users of the Transfer Station may establish accounts at the Transfer Station. Such users would typically include building contractors, private haulers, and private citizens. Parties responsible for these accounts may be required to sign Waste Transfer Agreements with the County. The purpose of these agreements is to reduce the amount of unacceptable waste brought to the Transfer Station and to indemnify the County against the costs that might be associated with improperly deposited materials. The agreements, which are filed at the scale house, state that the signatories will deliver only acceptable MSW and C&D to the facility.

If any user of the Transfer Station develops a pattern of deceptive waste identification in order to circumvent proper regulation, the DENR must be notified within 24 hours of attempted disposal and informed as to the type of material and the hauler so that follow-up investigations can be conducted, if necessary.

D. TRAFFIC CONTROL

Access to the Transfer Station is controlled by a locking gate at the entry. During operating hours, site personnel control access. As vehicles arrive at the Transfer Station, site personnel will direct drivers to position the vehicle at the correct unloading location once there is sufficient room to maneuver on the concrete tipping floor. When the contents of the vehicle are emptied, the driver will be instructed to move the vehicle away from the tipping floor and exit the Transfer Station. The tipping area will allow for two trucks to dump simultaneously. Directional signs should be located at the facility to aid traffic control.

E. HOUSEKEEPING AND LITTER CONTROL

Incoming waste must be transported to the Transfer Station in covered or enclosed vehicles, or in open pickup trucks. Outgoing transfer trailers must also be covered or enclosed. Throughout and at the end of

each working day, facility personnel should police the facility for litter. Collected litter should be placed in containers for proper disposal.

A trench drain exists along the southeast edge of the tipping floor. Water accumulating in the drain flows by gravity to an onsite storage tank located approximately 20-feet south of the tipping floor. The trench drains will be cleaned out daily following the cleanup of the Transfer Station floor. Additionally, a catch basin on the northwestern portion of the facility collects runoff from the truck bay area. This runoff is conveyed to one of two existing storage tanks to the north of the facility. On a periodic basis, determined by actual water accumulation, a local septic tank pumping service empties the tanks and hauls the water for proper disposal. The County is responsible for monitoring the tanks and notifying the septic waste hauler when disposal is necessary.

At present, approximately 82-tons per day are expected at the Transfer Station. As needed, the tipping floor will be cleaned and rinsed. In no case will MSW and C&D be left on the tipping floor overnight. Trailers containing MSW and C&D will be allowed to sit overnight on the facility grounds outside the Transfer Station building, provided they are covered. In no case will a trailer be allowed to remain onsite for more than 48 hours after filling.

Daily removal of waste in conjunction with daily housekeeping procedures is required by the DENR and effectively prevents development of vector related problems. The tipping floor and trailer parking areas are constructed of relatively impervious concrete, which can be readily cleaned. Washdown of the surfaces also helps prevent vector problems.

F. DUST AND FIRE CONTROL

Since collection and transfer vehicles travel at low speeds on paved roads, significant dust is not generated at the facility. The certified operator must provide adequate portable hand-held fire extinguishers for temporary fire constraint. Fire protection will be provided by the local fire department, which has been apprised of conditions and operations at the facility. In the event that a fire occurs, the local authorities must be notified immediately. The telephone numbers of local fire, police, ambulance, and hospital facilities must be posted in and around the facility. If a fire were to occur at the facility,

Emergency Management personnel will be notified immediately by calling 911. DENR should then be notified by telephone on the next working day and written notification will be submitted within 15 days.

G. WASTEWATER COLLECTION

Wastewater generation is minimized by the metal roofed building that covers the tipping floor and loading bay. Wastewater flow at the Transfer Station consists of small volumes of washdown water. As stated previously, this water is collected by sloping the tipping and loading floors to trenches in the floor and stored in a tank until it is transported offsite for disposal.

H. STORMWATER MANAGEMENT AND EROSION CONTROL

Areas adjacent to the Transfer Station are graded to direct stormwater away from the facility. Paved areas near the Transfer Station are also sloped in order to achieve the same end. Gutters and downspouts are also positioned on the building to divert discharge of stormwater into natural or constructed drainage ways. The certified operator should periodically inspect these features to confirm their quality and function. Problems should be noted and reported to the County.

I. ZONING

The County does not have zoning regulations.

J. FACILITY INSPECTIONS

Routine maintenance inspections of the facility must be conducted on a daily basis by a certified operator and documented on a monthly basis. The inspections should document the condition of the site (e.g., roads, scales, Transfer Station, erosion control features, litter, etc.) as well as operational issues. At a minimum, the inspections include the following items:

1. Transfer trailers
2. Building and foundations
3. Retaining wall and push walls
4. Fire extinguishers
5. Electrical systems
6. Floor drains and yard hydrant
7. Road conditions
8. Scale and scale house
9. Drainageways (natural and constructed)
10. Recordkeeping

If unsatisfactory conditions are noted during an inspection, or by any Transfer Station personnel at any other time, the concerns must be reported to the Yancey County Manager. If threats to either human safety or the environment are identified, immediate action must be taken to rectify the situation. If necessary, operations at the Transfer Station should be suspended temporarily until the proper corrective actions have been taken. In the unlikely event of a severe accident, the proper authorities must be notified and offsite support requested.

If conditions, such as icing at the Subtitle D landfill or on the highways between the landfill and the Yancey County Transfer Station, require that receipt of MSW and C&D cease at the Transfer Station, then the operations contractor must notify the Yancey County Manager immediately. If such notification is not properly received, then the operations contractor will be responsible for any ensuing regulatory violations or operational costs.