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January 26, 2016

Solid Waste Section

Asheville Regional Office

Alexander County Public Works/Facilities Department

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Josh Mitchell – Public Works/Facilities Director

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Mr. Larry Frost

NC DENR DWM Permitting Branch

2090 US Hwy 70 Swannanoa, NC 28778-8211

Subject: PTO Applications

-Alexander County Construction and Demolition Landfill
Permit No. 02-01

-Alexander County MSW Transfer Facility
Permit No. 02-02T

Dear Mr. Frost,

I have attached updated operations plans for both the Alexander County C&D Landfill and Transfer Station. You will find information regarding an adjacent parcel of property that was purchased for remediation purposes. Also included is a map detailing all activities which take place on these sites.

Please let me know if there is any other information that you need. I deeply apologize for these renewals being late.

Sincerely,

Josh Mitchell

Alexander County Public Works/Facilities Director

Alexander County

Construction and
Demolition Landfill

Operations Plan

Revised 1/26/16

1.1 Introduction

Alexander County will continue to operate a Construction and Demolition Landfill (C&DLF) within the permitted boundaries and upon closed sections of the present municipal solid waste landfill. The section are limited to areas that stopped receiving waste in 1998 and have two feet of final cover.

The C&D Landfill will receive the following solid waste:

1. Land clearing debris as defined in G.S. 130A-290, specifically, solid waste which is generated solely from land clearing activities, such as stumps, trees, etc.;
2. Inert debris from any source that is defined as solid waste which consists solely of material that is virtually inert, such as brick, concrete, rock and clean soil;
3. Asphalt in accordance with G.S. 130-294(m);
4. Construction and demolition debris defined as solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings or other structures (includes glass, vinyl, plastic, laminates, plumbing fixtures, etc.);
5. Construction materials, that could or would be part of any construction, remodeling, repair or demolition of pavement, buildings or other structures, from industrial and/or commercial sources within the County such as, but not limited to, shingles from shingle manufacturers, mobile home debris from mobile home manufacturers, lumber from lumber yards, scrap materials from cabinet manufacturing facilities and furniture, pre-fabricated building structure components such as joists and any other scrap materials; and,
6. Pallets from any source.

Yard Waste as defined in G.S. 130A-290, shall not be disposed in the landfill area. However, yard trash, along with land-clearing debris, may be accepted for processing in a permitted Yard Waste Composting Area.

Soil cover will be placed at least once a week. (See cover requirements under operational requirements).

The County will implement a program at the landfill for detecting and preventing the disposal of hazardous and liquid wastes. The program consists of random inspection of incoming loads at a minimum of 1% of the weekly traffic. Landfill personnel will be trained to recognize hazardous and liquid wastes. Records will be kept on the training and the inspections.

The County will monitor for explosive gases at landfill structures and the perimeter of the landfill. The concentration of methane gases generated by the landfill cannot exceed 25 percent of the lower explosive limit for methane in the structures, and it cannot exceed 100 percent of the lower explosive limit for methane of the landfill property boundary. If methane gas is found to exceed the acceptable limits at either the property boundary or landfill structures, it is the County's responsibility to do the following:

1. Immediately take all necessary steps to ensure protection of human health, i.e. no smoking, temporarily abandon the structure and notify the Division of Solid Waste Management.
2. Within seven days of detection, place in the operating record the methane gas levels detected and a description of the steps taken to protect human health; and

3. Within 60 days of detection, implement a remediation plan for the methane gas releases, place a copy of the plan in the operating record, and notify the Division of Solid Waste management that the plan has been implemented. The plan will describe the nature and extent of the problem and the proposed remedy.

Off and on site erosion will be controlled through erosion control structures and devices. Provisions for a vegetative ground cover sufficient to restrain erosion will be accomplished within 30 working days or 120 calendar days upon completion of any phase of landfill development.

The County will record and retain at the landfill an operating record of the following information:

- (1) Inspection records, waste determination records, and training procedures;
- (2) Amounts by weight of solid waste received at the landfill;
- (3) Gas monitoring results and any remediation plans;
- (4) Any demonstration, certification, findings, monitoring, testing or analytical data required for surface and groundwater monitoring;
- (5) Any monitoring, testing or analytical data required for closure or post-closure;
- (6) Any cost estimates and financial assurance documentation.

All information contained in the operating record will be furnished upon request to the Division of Solid Waste Management or be made available at all reasonable times for inspection by the Division.

Ground and surface water will be sampled and analyzed according to Subtitle D Appendix I detection monitoring requirements. The monitoring frequency for all Appendix I detection monitoring constituents will be at least semiannual during the life of the facility (including closure) and the post-closure period. A minimum of four independent samples from each well (background and down gradient) will be collected and analyzed for the Appendix I constituents during the first semiannual sampling event. At least one sample from each well (background and down gradient) will be collected and analyzed during subsequent semiannual sampling events.

If the County determines that there is a statistically significant increase over background for one or more of the constituents listed in Appendix I at any monitoring well at the relevant point of compliance, the County will, within 14 days of the finding, report to the Division of Solid Waste and place a notice in the operating record indicating which constituents have shown statistically significant changes from background levels. The County will establish an assessment monitoring program within 90 days. The County may demonstrate that a source other than the landfill caused the contamination or that the statistically significant increase resulted from an error in sampling, analysis, statistical evaluation, or natural variation in ground-water quality. A report documenting these demonstrations will be certified by a Licensed Geologist or Professional Engineer and approved by the Division of Solid Waste. A copy of this report will be placed in the operating record. If a successful demonstration is made, documented, and approved by the Division, the County may continue detection monitoring. If after 90 days, a successful demonstration is not made, the County will initiate an assessment monitoring program.

1.2 Operational Requirements

1. Waste Acceptance and Disposal Requirements
 - a. The Construction and Demolition Landfill (C&DLF) will only accept those solid wastes which it is permitted to receive. The County will notify the Division within 24 hours of attempted disposal of any waste the landfill is not permitted to receive.
 - b. Asbestos waste will be managed in accordance with 40 CFR 61. The regulated asbestos waste will be covered immediately with soil in a manner that will not cause airborne conditions and will be disposed of separate and apart from other solid waste, as:
 - i. in a defined isolated area within the foot print of the landfill, or
 - ii. in an area not contiguous with other disposal areas. Separate areas will be designated so that asbestos will not be exposed by future land-disturbing activities.
 - c. Wastewater treatment sludges may be accepted, with the approval of the Division, either as a soil conditioner incorporated into or applied onto vegetative growth layer. The wastewater treatment sludge will neither be applied at greater than agronomic rates nor to a depth greater than six inches.
 - d. The following wastes are prohibited from disposal at the C&DLF:
 - i. Containers such as tubes, drums, barrels, tanks, cans, and bottles unless they are empty and perforated to ensure that no liquid, hazardous or municipal solid waste is contained therein.
 - ii. Garbage as defined in G.S. 130A-290(a)(7).
 - iii. Hazardous waste as defined in G.S. 130A-290(a)(8), to also include hazardous waste from conditionally exempt small quantity generators.
 - iv. Industrial solid waste unless a demonstration has been made and approved by the Division that the landfill meets the requirements of Rule .0503(2)(d)(ii)(A).
 - v. Liquid wastes.
 - vi. Medical waste as defined in G.S. 130A-290(a)(18)
 - vii. Municipal solid waste as defined in G.S. 130A-290(a)(18a)
 - viii. Polychlorinated biphenyls (PCB) wastes as defined in 40 CFR 761
 - ix. Radioactive waste as defined in G.S. 104E-5(14)
 - x. Septage as defined in G.S. 130A-290(a)(32)
 - xi. Sludge as defined in G.S. 130A-290(a)(34)
 - xii. Special waste as defined in G.S. 130A-290(a)(40)

xiii. White goods as defined in G.S. 130A-290(a)(44)

xiv. Yard trash as defined in G.S. 130A-290(a)(45)

- e. The following waste will not be received if separate from C&DLF waste: lamps or light bulbs including but not limited to halogen, incandescent, neon or fluorescent; lighting ballast or fixtures; thermostats and light switches; batteries including but not limited to those from exit and emergency lights and smoke detectors; lead pipes; lead roof flashing; transformers; capacitors; and copper chrome arsenate (CCA) and creosote treated woods.
- f. Waste accepted for disposal in the C&DLF unit shall be readily identifiable as C&D waste and must not have been shredded, pulverized, or processed to such an extent that the composition of the original waste cannot be readily ascertained except in the case where the waste has come from a permitted recycling and reuse facility.
- g. The County will not knowingly dispose any type or form of C&D waste that is generated within the boundaries of a unit of local government that by ordinance:
 - i. Prohibits generators or collectors of C&D waste from disposing that type or form of C&D waste.
 - ii. Requires generators or collectors of C&D waste to recycle that type or form of C&D waste.

2. Cover material requirements.

- a. Except as in Subparagraph (c), the County must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly. Cover must be placed at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. A notation of the date and time of the cover placement must be recorded in the operating record, as specified in Paragraph 10 in this section.
- b. Except as in Subparagraph (c), areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, will be covered and stabilized with vegetative ground cover or other stabilizing material.
- c. Alternative material or an alternative thickness of cover may be used, if the County demonstrates that the alternative material or thickness controls disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment, and is approved by the Division.

3. Spreading and compacting requirements.

- a. C&DLF units will restrict solid waste to the smallest area feasible.
- b. Solid waste will be compacted as densely as practical into cells.
- c. Fencing and/or diking will be provided within the area to confine solid waste which is subject to be blown by the wind. At the conclusion of each operating day, all windblown material resulting from the operation will be collected and disposed of by the County.

4. Disease vector control
 - a. The County will prevent or control on-site populations of disease vectors using techniques appropriate for protection of human health and the environment.
 - b. "Disease vectors" means any rodents, flies, mosquitoes, or other animals, including insects, capable of transmitting disease to humans.
5. Air Criteria and Fire Control
 - a. The County will ensure that the units do not violate any applicable requirements developed under a State Implementation Plan (SIP) approved or promulgated by the U.S. EPA Administrator pursuant to Section 110 of the Clean Air Act, as amended.
 - b. Open burning of solid waste, except for the approved burning of land clearing debris generated on-site or debris from emergency clean-up operations, is prohibited at all C&DLF facilities. Prior to any burning a request will be sent to the Division for review. The Division will determine the burning to be approved if it is one of two types of burning previously referenced. A notation of the date of approval and the name of the Division personnel who approved the burning must be included in the operating record.
 - c. Equipment will be provided to control accidental fires and arrangements will be made with the local fire protection agency to immediately provide fire-fighting services when needed.
 - d. Fires and explosions that occur at the C&DLF require verbal notice to the Division within 24 hours and written notification within 15 days. Written notification must include the suspected cause of fire or explosion, the response taken to manage the incident, and the action(s) to be taken to prevent the future occurrence of fire or explosion.
6. Access and safety requirements
 - a. The C&DLF will be adequately secured by means of gates, chains, beams, fences and other security measures approved by the Division of Solid Waste Management to prevent unauthorized entry.
 - b. An attendant will be on duty at the site at all times while it is open for public use to ensure compliance with operational requirements.
 - c. The access road to the site will be of all-weather construction and maintained in good condition.
 - d. Dust control measures will be implemented when necessary. If dust problems should arise, the County will use any reasonable means necessary to reduce it. At a minimum the County will spray water on necessary areas.
 - e. Signs providing information on tipping or disposal procedures, the hours during which the site is open for public use, the permit number and other pertinent information will be posted at the site entrance.
 - f. Signs will be posted stating that no hazardous or liquid waste can be received.

- g. Traffic signs or markers will be provided as necessary to promote an orderly traffic pattern to and from the discharge area and to maintain efficient operating conditions.
- h. The removal of solid waste from the C&DLF will be prohibited unless the County has included in its operational plan a recycling program which has been approved by the Division. The general public is prohibited from removal activities on the working face.

7. Erosion and Sedimentation Control Requirements

- a. Adequate sediment control measures (structures or devices), will be utilized to prevent silt from leaving the landfill.
- b. Adequate sediment control measures (structures or devices), will be utilized to prevent excessive on-site erosion.
- c. Provisions for a vegetative ground cover sufficient to restrain erosion will be accomplished within **30 working days** or **120 calendar days** upon completion of any phase of landfill development.

8. Drainage Control and Water Protection Requirements

- a. Surface water will be diverted from the operational area and will not be impounded over waste.
- b. Solid waste will not be disposed of in water.
- c. Leachate will be contained on site and properly treated prior to discharge.
- d. The landfill will not:
 - (i) Cause a discharge of pollutants into waters of the United States, including wetlands, that violates any requirements of the Clean Water Act, including, but not limited to, the National Pollutant Discharge Elimination System (NPDES) requirements pursuant to Section 402.
 - (ii) Cause the discharge of a nonpoint source of pollution to waters of the United States, including wetlands, that violates any requirements of an area-wide or state-wide water quality management plan that has been approved under Section 208 or 319 of the Clean Water Act, as amended.

9. Survey for Compliance

Within 60 days of a permittee's receipt of the Division's written request, the permittee will have a survey conducted of active and/or closed portions of the unit(s) at the facility in order to determine whether operations are being conducted in accordance with the approved design and operation plans. The permittee must report the results of the survey, including a map produced by the survey, to the Division within 90 days of receipt of the Division's request.

- a. A survey shall be required by the division:
 - (i) If there is reason to believe that the operations are being conducted in a manner that deviates from the plan listed in the effective permit, or

(ii) As verification that operations are being conducted in accordance with the plan listed in the effective permit.

b. Any survey pursuant to this Paragraph must be performed by a professional land surveyor duly authorized under North Carolina law to conduct such activities.

10. Record keeping Requirements

a. The County will record and retain at the facility, or an alternative location near the facility approved by the Division of Solid Waste Management, in an operating record the following information as it becomes available.

(i) Inspection records, waste determination records, and training procedures;

(ii) Amounts by weight of solid waste received at the landfill to include source of generation.

(iii) Any demonstration, certification, findings, monitoring, testing or analytical data required for surface, groundwater and gas monitoring;

(iv) Any monitoring, testing, or analytical data required for closure or post-closure;

(v) Any cost estimates and financial assurance documentation;

(vi) Notation of date and time of placement of cover material; and,

(vii) All audit records, compliance records and inspection reports.

b. All information contained in the operating record will be furnished to the Division of Solid Waste Management according to the permit or upon request, or be made available for inspection by the Division.

c. The operating record will also include a copy of the approved operation plan and all required permits.

Revised 1/26/16 by: JM

**ALEXANDER COUNTY SOILD WASTE TRANSFER STATION
PERMIT # 02-02T
OPERATION PLAN**

I. INTRODUCTION AND BACKGROUND

This operation plan has been created on behalf of the Alexander County Department of Solid Waste for the Solid Waste Handling and Transfer Facility (Permit 02-02T). Operations at this facility will be conducted in agreement with this plan, the North Carolina Waste Management Rules, and generally sound environmental and waste management practices.

The primary landfill for municipal solid waste disposal will be the Foothill Environmental Caldwell County Landfill, Permit # 14-03, located at 2800 Cheraw Rd, Lenoir, NC 28645, telephone (828) 757-0965.

Zoning approval was acquired when the MSW transfer facility was originally permitted in 1998 and is still in compliance with any local zoning ordinances.

II. FACILITY LOCATION

The Alexander County MSW Transfer Facility is located in Alexander County, North Carolina. The facility, which is owned and operated by Alexander County, is located approximately 7 miles southeast of Taylorsville, NC on Paynes Dairy Road.

The physical address is as follows:

Alexander County Landfill
2500 Paynes Dairy Road
Taylorsville, North Carolina 28681

The mailing address is as follows:

Alexander County Landfill
621 Liledoun Road
Taylorsville, NC 28681

III. FACILITY OWNER

The facility is owned and operated by Alexander County. The key personnel associated with operations are:

Rick French
Alexander County Manager
621 Liledoun Road
Taylorsville, NC 28681
Telephone: (828) 632-9332
Fax: (828) 632-0059

Josh Mitchell, Solid Waste Director
621 Liledoun Road, Box 12
Taylorsville, NC 28681
Telephone: (828) 632-9467

IV. FACILITY DESCRIPTION

The main MSW transfer structure is a metal building constructed on a concrete slab and retaining wall. It is enclosed on three sides, keeping one open facade that provides accessibility for incoming vehicles. One of the enclosed sides provides an entrance for service vehicles to the tipping floor. The tipping floor encompasses an area of approximately 5,625 square feet (75 feet by 75 feet). Transfer trailers are positioned in a loading bay under the tipping floor. Incoming loads are discarded onto the concrete tipping floor where they are compacted into the transfer trailer located on the lower level. Wastewater that is generated from normal activities and from regular washing of the tipping floors is collected through drains in the lower level floor. These drains empty into the on site holding tank which will be pumped out by a licensed septage hauler. Any solid waste not removed from the transfer station will be stored in an enclosed transfer trailer overnight.

V. SOURCE, TYPES, AND QUANTITIES OF WASTE

The source of municipal solid waste will be from residential, commercial, and industrial facilities located within Alexander County. The MSW handling and transfer facility will be used solely for the handling and conveyance of municipal solid waste generated within Alexander County. The Facility will only accept solid waste as defined in G.S. 130A – 290(35). Any hazardous, liquid, or other prohibited materials found in the waste stream shall be removed and held for proper disposal. The waste will be transferred to the site in publicly and privately owned vehicles of various types and sizes.

Waste is delivered to Alexander County's Solid Waste Transfer Station in County, municipal, public and privately owned vehicles. Approximately 75 tons per day of waste are transferred through the facility, based on a five and a half day week. The design capacity for this station is 200-250 tons per day. The transfer rate is expected to remain

constant relative to population growth. Thus, a proportional increase in waste quantities should be expected as Alexander County's population increases.

VI. OPERATION PLAN

A. General

The Alexander County Transfer Station will be open Monday through Friday from 8:00 AM until 4:00 PM and on Saturday from 8:00 AM to 12:00 PM. The facility may be closed on major holidays, such as Easter or Christmas. The operating hours may change due to fluctuations in the waste stream or other unforeseen conditions.

Waste collection and transportation vehicles are weighed in at the scale house and again weighed upon departure. Signs will be posted directing traffic to the proper areas for disposal of the respective material. MSW will be unloaded onto the tipping floor, where it will be gathered and moved into the transfer trailer. A certified operator will be on site at all times, during operational hours. The operator will keep a log of all the daily activities. The station operator, who is responsible for observing the contents of each load, will take action if unsuitable waste is received.

Other activities that occur at the transfer facility include:

- Alexander County accepts used tires daily. Tires are stacked by the public into the storage trailer. Scrap tire forms are kept by the certified scale house operator.
- Recycling is available on site to accept commingled plastic, paper, glass, and metal materials for market. Separate cardboard bins are also present.
- Used lead-acid batteries are collected in a designated location. These batteries are stored on a wooden pallet adjacent to the recycling warehouse. Batteries are removed monthly or as needed.
- Yard Waste such as grass clippings, leaves, brush, and other debris is disposed of in the permitted area. Pallets are placed into a pile separate from brush and yard waste and ground as needed
- Old scrap metal material and appliances are collected in an area designated for scrap metals. These materials are processed and removed as needed.
- White Goods, which contain Freon, are collected by the facility and stored in one designated area in the metal storage area. The handling and disposal of these items are governed by 40 CFR 82 "Protection of Stratosphere Ozone". The discarded materials are disposed of at the same time as the scrap metal.

- Televisions, monitors, computer equipment, and other misc. electronics are placed on pallets or in Gaylord boxes at the electronics recycling area.
- A 1000 gallon used oil collection tank is available for disposal of used motor oil. A 500 gallon tank is on site for the disposal of antifreeze. The tanks are collected regularly by Noble Oil Services, 5617 Clyde Rhyne Drive, Sanford, NC 27330, telephone 1-800-662-5394.
- Asphalt shingle recycling is also offered on the site. Clean shingles are stockpiled in a bunker to the West of the transfer station. Once a large amount of shingles has accumulated Maymead Materials Inc. is contacted and a contractor is sent to perform asbestos sampling. After testing results are received Maymead hauls the shingles to be used in there asphalt mix.
- The Scalehouse and Office are open during standard operating hours. Vehicles transporting MSW will stop at the scalehouse for weighing before and after trips to the transfer station.

B. Scale House Contingency Plan

Alexander County has a contract with Charlotte Scale stating in case of scale malfunction, Charlotte Scale will be on site within three to four hours. The landfill and transfer facility will be closed until the malfunction is corrected. If a problem occurs due to electrical outage, the landfill gate will be closed until power is restored.

If Alexander County C&D Landfill and Alexander County Transfer Station cannot operate in a reasonable period of time, all solid waste haulers will be required to transport waste to Foothill Environmental Caldwell County Landfill, Permit #14-03, located at 2800 Cheraw Rd, Lenoir, NC 28645, Telephone # 828-757-0965.

C. Equipment

The equipment, which is used at the MSW Transfer Station, is owned and operated by Alexander County. County personnel will conduct preventive and other maintenance to ensure the equipment remains in good operational condition. The following equipment will be used at the transfer station:

- Backhoe
- Front End Loader
- Open Top Transfer Trailers
- Switch Tractor

Waste unloaded onto the tipping floor will be pushed with a backhoe or front end loader directly into the open top trailers. The operator will change the bucket for a weighted packer to compress and pack the load inside the trailers, located in the lower level of the transfer station. Based on the current waste volume rates, the transfer station can be

managed with the current equipment; however, if the rates increase substantially, the owner will rent another loader for the duration of the increased volume or until another loader is acquired (if high rates persist).

D. Personnel

County staff will be present at the scalehouse to weigh vehicles in and out. Staff will also be stationed at the transfer areas to over see operations to ensure no hazardous or prohibited waste enters the transfer facility. All employees will be routinely trained in safety issues such as recognizing and managing hazardous waste, fire prevention and firefighting, and other emergency and safety related topics. A qualified person will conduct training. First aid supplies and training will be provided in the facility. All employees will be required to immediately report all work-related injuries and illnesses. All staff members will be provided with the necessary safety equipment including gloves, dust masks, safety shoes, earplugs, safety glasses and related protective items as needed.

E. Waste Transfer

All vehicles will be weighed at the scale by a licensed certified public weigh master, then proceed to the transfer station or appropriate location. A two lane all-weather access road will be maintained between the scalehouse and other structures. Vehicles hauling MSW will back up to the transfer stations loading bay and unload onto the tipping floor over the facility's dock. A visual inspection will then be performed by the transfer station attendant to ensure only authorized waste is accepted. Waste will be pushed and compacted into the open top transfer trailer through the loading bay. Once full, the transfer trailer will transport the waste to the Foothill Environmental Caldwell County Landfill near Lenoir, NC and an empty trailer will replace the departing trailers.

Outgoing trailers will be weighed at the scale house for bookkeeping purposes and to ensure no overloaded vehicles will enter NC roads. Weight records of MSW will be maintained at the facility and will be used in preparation for the annual reports submitted to NCDENR Division of Solid Waste.

F. Wastewater Management

The tipping floor will be cleaned daily by using a push broom. Wastewater generated as a result of daily operations and weekly washing of the facility will be collected by a 1500 gallon holding tank through drain in the lower loading bay. No runoff or point source discharge will be allowed. Miller Septic Tank Service (Permit # NC500320) will clean the settling pit; any material will be hauled to an appropriate disposal facility.

G. Waste Screening

Alexander County will check each load for unacceptable material found in the waste stream. Any unacceptable material found will be removed and held for proper disposal.

Waste screening will be conducted on one percent of the commercial waste or at least one load per day. Loads will be checked at random. Waste screening report forms will be kept on file in the station office. Operators will be trained in waste screening by a qualified person.

H. Hazard and Nuisance Control

Hazard and nuisance control for a MSW transfer station is vital for proper management and efficient operation. The attributing factors to any waste transfer process include prohibited or unauthorized waste materials, fire, odors, disease, vectors, noise, dust, and litter. The Material Screening process conforms to NCAC T15A.13B.0302 (2). Key elements of this plan consist of:

- a. Training of facility personnel to recognize regulated hazardous and unacceptable waste, including asbestos materials
- b. Visual inspection of each load that comes into the facility, as well as random checks of loads.
- c. A contingency plan to correctly manage any proscribed waste.

Training of Facility personnel: Anyone working at the scale house and/or transfer station will be trained to identify suspicious, hazardous and unacceptable wastes based on visual and odor characteristics. The Operations Manager or any personnel trained to identify and manage hazardous and liquid wastes will administer inspections. Key transfer station employees will be SWANA certified Transfer Station Operations Specialists. There will be certified personnel onsite during operational hours.

Visual inspections: These shall include observations of each truckload at the scale, unloading their shipment onto a concrete pad, and observations before loading onto the processing area. The truck and driver will be detained if objectionable material is found during the unloading process.

Random load inspections: These will be performed to abide by the minimum requirement of 1% screening of waste. This percentage can be raised depending on the type and nature of the incoming waste.

Methodology for choosing the loads to be examined will be based on:

- The probability that a load may contain proscribed waste based on type of business served or type of hauler involved.
- A random selection process that will ensure any load can be checked.
- The ability to distinguish and check “suspicious” loads.

The shipment will be examined for prohibited and/or hazardous waste:

- Asbestos containing material
- Containers with hazardous labels or markings

- Container with liquids, oils, paints, varnishes, etc.
- Drums or commercial sized containers
- Material with “chemical odors”, dust, powders, smoke, or vapors
- Materials with bright or unusual colors
- Regulated biochemical waste
- Sludges, biomass, etc
- Waste banned from landfill disposal by North Carolina statute

Posted signs will inform facility users of prohibited waste. If inadvertent receipt of these wastes occurs, personnel will be available to isolate the material, take the appropriate measures, including returning the waste to the generator or removing it for appropriate disposal, and notifying the regulatory authorities immediately.

Fire: The MSW transfer station and associated buildings will be equipped with fire extinguishers. Qualified personnel will conduct routine inspections of the fire prevention equipment. A qualified person will train all staff members in effective fire fighting procedure and fire prevention. No flammable liquids will be stored in or around the MSW Transfer Station. A hose and water supply will be provided inside the facility for fire-fighting measures. In the case of a fire or emergency response, the local Fire Department, located at Stony Point #2 on Paul Payne Store Road will be contacted by calling 911 or Communications (828) 632-4658.

Equipment Failure: A backup loader is available, if necessary, due to equipment failure. If rental equipment were required either James River Equipment or Carolina Tractor could provide the necessary equipment. Most repairs are conducted “in house” by county personnel; however if an outside source is needed Hatfield Heavy Equipment Repair, in Statesville (704) 902-6093, can be used for repair services.

Litter: The implementation of covered transfer vehicles, staff supervision, and a fenced facility will be used to prevent litter. Windblown material, if any, will be picked up and discarded at the end of each day per 15A NCAC 13B. 0402 (7).

Odors and Vectors: Measures taken to control odors and disease vectors include immediate removal of waste, invariable washing of the tipping floor, and covering of any partial loads which may remain outside overnight. If vectors are discovered, adequate extermination measures will be taken. The tipping area will be empty and clean at the end of each workday.

Dust: The access roads and the areas adjacent to the MSW Transfer Station are paved to help lessen the problems associated with dust. A water truck will wet the area as needed.

Noise: The tract of land on which the MSW Transfer Facility is located has ample buffers, including hills and trees, to soften most noise pollution. Current levels are not expected to change.

VII. YARD WASTE OPERATION PLAN

Alexander County will collect yard waste particularly brush, leaves and grass clippings in a designated area near the transfer station. The material will be screened at the scale house to assure that only brush, leaves and grass clippings are being collected in this area.

The leaves and grass will be pushed into a static pile or wind row using the loader at the transfer station. This pile will be monitored for heat and when it is determined that the heat is too high, the pile will be turned using the same equipment at least once per year. The static pile will be allowed to compost and the resulting product be distributed to the public or be used by the County as a soil additive. There will be less than 6,000 cubic yards processed quarterly.

Brush is kept separate and ground as needed. The resulting mulch is given away to the public or used around county owned buildings.

Records will be kept at the landfill office showing the weight of the yard waste that has been collected.

In case of a fire, the local volunteer fire department can be called if the landfill staff feels they cannot extinguish any fire that may occur.

CONTINGENCY PLAN FOR MANAGING LIQUID AND HAZARDOUS WASTES AT THE ALEXANDER COUNTY TRANSFER STATION

NOTE: HAZARDOUS WASTE CONTACTS
S.T.A.T. INC. 828-396-2304 (DAY OR NIGHT)

Should a liquid or hazardous waste be found at the Alexander County Landfill, the following action will be taken:

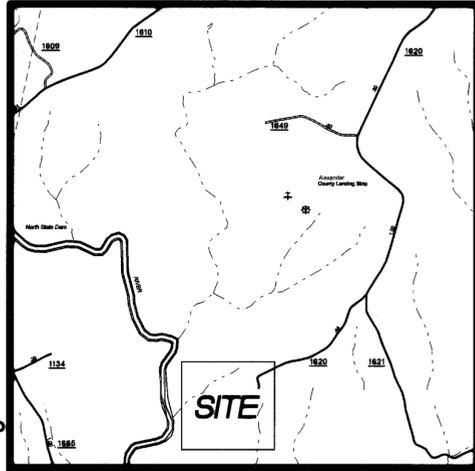
1. Attempt to identify the source, generator and hauler.
2. The generator and/or hauler will be asked to remove the waste.
3. If transfer station staff fails to identify the responsible party, action will be taken by the staff to remove the waste for proper disposal.

For sewage and sludge management, staff will take the following action:

1. Attempt to identify the source, generator and hauler.
2. Determine the volume and tonnage of the material.
3. Contact the NC State Mooresville Solid Waste Regional Office.

Revised 1/26/16 by: JM

Plat Book 13, Page 142



LEGEND

- PROPERTY LINE
- - - LINES NOT SURVEYED
- - - WASTE BOUNDARY
- - - RESTRICTED COMPLIANCE BOUNDARY
- - - DRAINAGE FEATURE
- - - LIMITS OF CONTAMINATION
- o EIP EXISTING IRON PIN
- CP COMPUTED POINT
- ⊙ MW-7 EXISTING MONITORING WELL
- MP11 EXISTING METHANE PROBE
- ▲ MEP-1 EXISTING METHANE EXTRACTION PROBE
- ▲ SW-4R SURFACE WATER SAMPLING POINT

North Carolina
Wake County

I, D. Wayne Sullivan, certify that this plat was drawn under my supervision from an actual survey made under my supervision, deed description recorded in Book _____ page _____, that the boundaries not surveyed are clearly indicated as drawn from information found in Book _____ page _____; that the ratio of precision as calculated is 1:10,000; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal on this day of Nov., A.D., 2012.

SEAL OF PROFESSIONAL LAND SURVEYOR
D. WAYNE SULLIVAN
L-2525
Registration Number

TYPE OF PLAT

I, D. Wayne Sullivan, a Professional Land Surveyor, Reg. No. L-2525 certify to one or more of the following as checked below:

- A. That this plat is of a survey that creates a subdivision of land within an area of a county or municipality that has an ordinance that regulates parcels of land.
- B. That this plat is of a survey that is located in such portion of a county or municipality that is unregulated as to an ordinance that regulates parcels of land.
- C. That this plat is of a survey of an existing parcel or parcels of land.
- D. That this plat is of a survey of another category, such as the recombination of existing parcels, a court-ordered survey or other exception to the definition of a subdivision.
- E. That the information available to this surveyor is such that I am unable to make a determination to the best of my professional ability as to provisions contained in (A) through (D) above.

D. Wayne Sullivan
D. Wayne Sullivan, Professional Land Surveyor, Reg. No. L-2525

State of North Carolina
County of Alexander

I, Doug Fox, Review Officer of Alexander County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

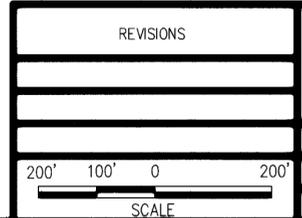
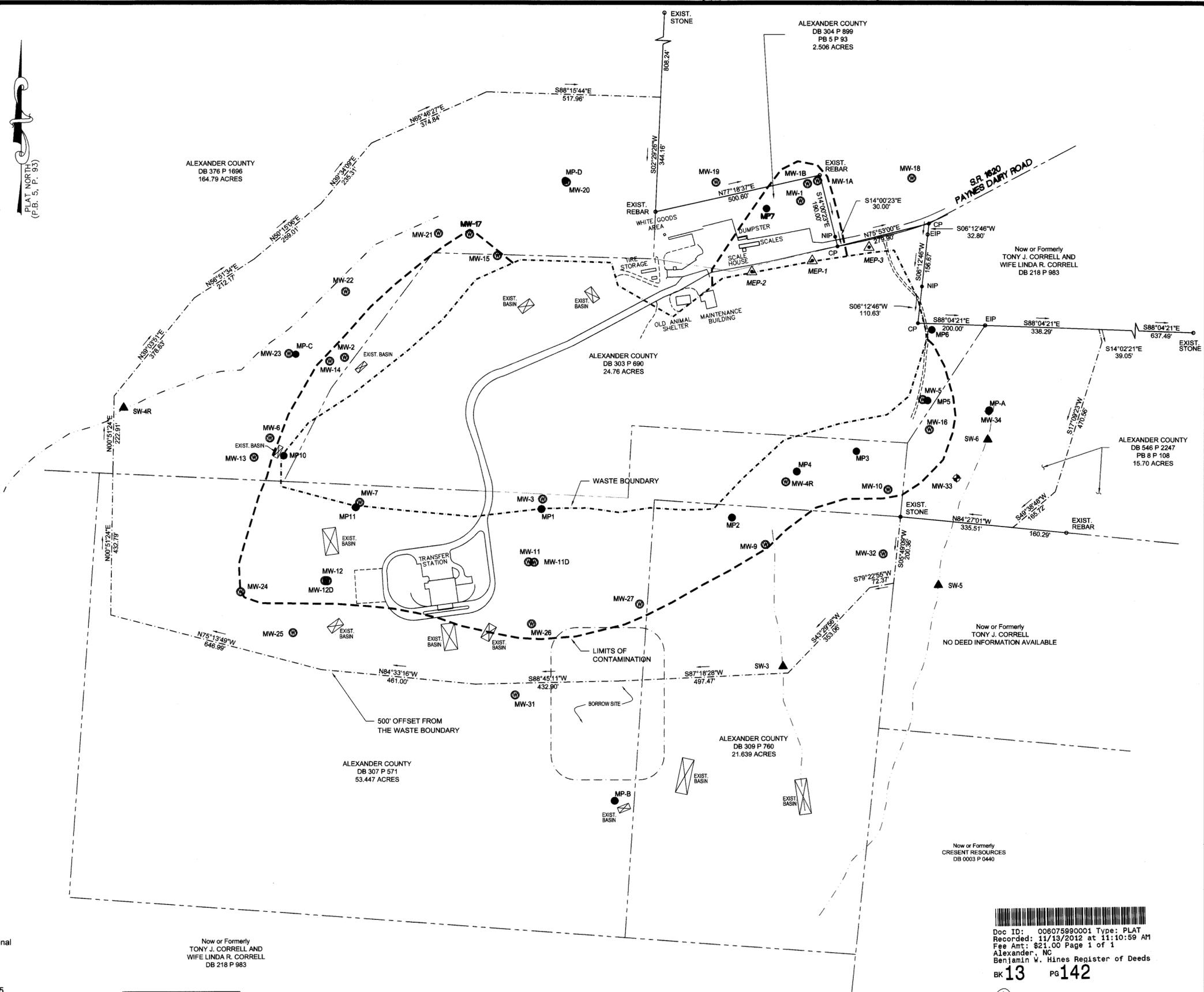
Date 11/13/12 by Doug Fox
Review Officer

Recorded in Book of Maps _____ Vol. _____ Pg. _____

LANDFILL FACILITY
AREA = 282.84 ACRES

RESTRICTED COMPLIANCE
AREA = 83.35 ACRES

NOTICE:
THIS PLAT IS NOT FOR SUBDIVISION PURPOSES, AND IS RECORDED TO PROVIDE NOTICE OF LANDFILL WASTE DISPOSAL AREAS, AREAS OF CONTAMINATION AND RESTRICTED LANDFILL BUFFER PROPERTIES.



SURVEY FOR NOTICE OF CONTAMINATED SITE ALEXANDER COUNTY LANDFILL	
TOWNSHIP: MILLER'S	COUNTY: ALEXANDER
TOWN: -----	STATE: NORTH CAROLINA
PARCEL I.D. #'S: 0022121, 0022035, 0010639, 0023200, 0010609 AND 0062694	

PLAT BOOK 13, PAGE 142

Doc ID: 006075990001 Type: PLAT
Recorded: 11/13/2012 at 11:10:59 AM
Fee Amt: \$21.00 Page 1 of 1
Alexander, NC
Benjamin W. Hines Register of Deeds
BK 13 PG 142

Municipal Services Engineering Company, P.A.

P.O. BOX 97 GARNER, N.C. 27529 (919) 772-8363
P.O. BOX 349 BOONE, N.C. 28607 (828) 262-1767

DATE: 5/22/2012 SURVEYED BY: T. IAGER FIELD BOOK
SCALE: 1" = 200' DRAWN BY: L. CRAWFORD DRAWING NO.
CHECKED & CLOSURE BY: W. SULLIVAN G10059-NOC

\\SolidWaste\G10059 - Alexander Co Landfill CAP\dwg\G10059-pl-small.dwg, 11/9/2012, 2:13:03 PM, lhc,lhc

PB 13 PG 142

December 14, 2015

Ms. Jaclynne Drummond
Solid Waste Section (SWS)
Division of Waste Management
North Carolina Department of Environmental Quality
2090 US Highway 70
Swannanoa, NC 28778

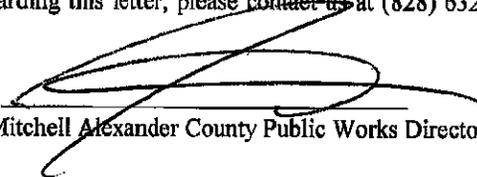
Re: Annual Confirmation of Perpetual Land Use Declaration Recordation and Compliance

Alexander County Active C&D and Closed MSWLF
Permit No. 02-01
Deed Book: 560 pages 1792-1797
Plat Book: 13 page 142
Recordation Date: 11/13/12

Dear Ms. Drummond:

In fulfillment of the *Notice and Declaration of Perpetual Land Use Restrictions* line item 17 Alexander County provides this letter confirming that the Declaration is still recorded in the Office of the Alexander County Register of Deeds and that activities and conditions at the property remain in compliance with the land use restrictions.

If you have any questions or need any additional information regarding this letter, please contact us at (828) 632-1101.

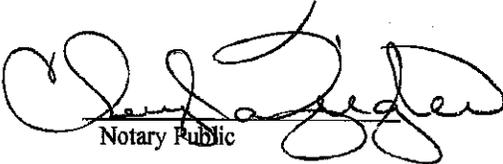

Josh Mitchell Alexander County Public Works Director

NORTH CAROLINA
ALEXANDER COUNTY

I, Cheryl A Ziegler A Notary Public for said County and State, do certify that Josh Mitchell, personally appeared before me this day and acknowledged the due execution of the foregoing "Annual Confirmation of Perpetual Land Use Declaration Recordation and Compliance."

Witness my hand and official seal, this the 15, day of December 2015.




Notary Public

My Commission Expires 07/01/17



Owner: ALEXANDER COUNTY
Mailing Address: TAX EXEMPT PROPERTY
Physical Address: PAYNES DAIRY RD
Parcel ID: 0062694
PIN: 3766463462
Deed Reference: 0546 2247

Acreage: 15.7
Fire District: EAST ALEXANDER FIRE
Structure Value: \$0
Land Value: \$47,100
Misc Value: \$0
Fair Market Value \$47,100
Tax Value: \$47,100
Account #: 0600133



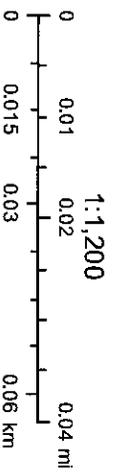
Alexander County
assumes no legal responsibility
for the information
contained on this map.

Alexander County

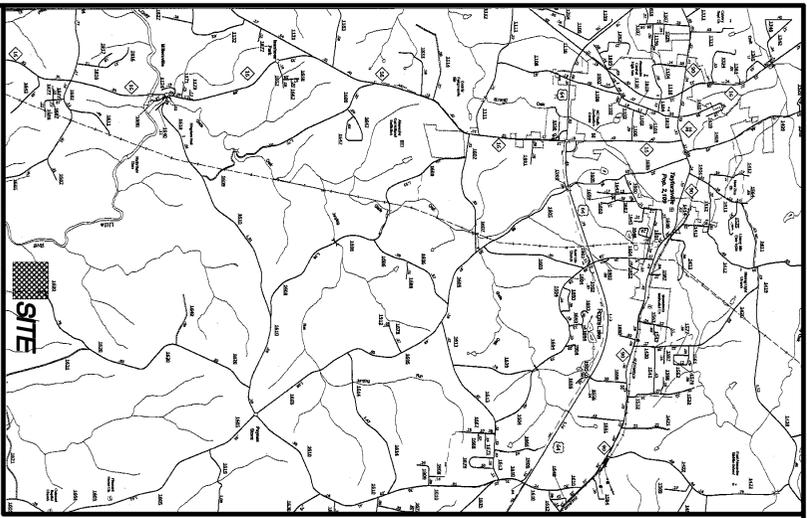
January 26, 2016



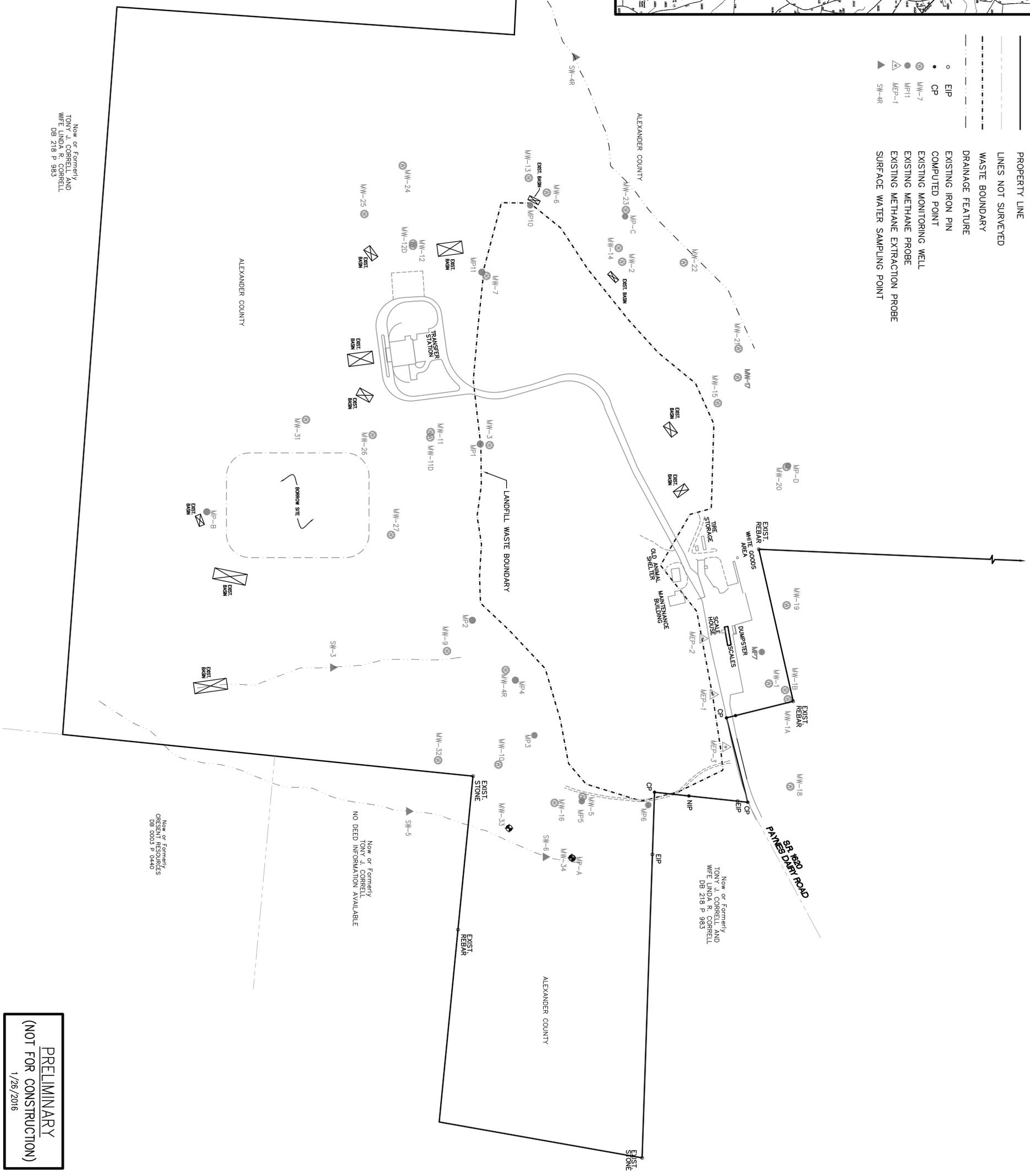
Alexander County



January 26, 2016



- LEGEND**
- PROPERTY LINE
 - LINES NOT SURVEYED
 - WASTE BOUNDARY
 - DRAINAGE FEATURE
 - EXISTING IRON PIN
 - EIP
 - CP
 - ⊙ MW-7
 - ⊙ MP11
 - ⊙ MEP-1
 - ▲ SW-4R
- EXISTING METHANE EXTRACTION PROBE
 EXISTING METHANE EXTRACTION PROBE
 SURFACE WATER SAMPLING POINT



Now or Formerly
 TONY J. CORRELL AND
 WIFE LINDA R. CORRELL
 DB 218 P. 983

Now or Formerly
 ORESENT RESOURCES
 DB 0003 P. 0440

Now or Formerly
 TONY J. CORRELL
 NO DEED INFORMATION AVAILABLE

Now or Formerly
 TONY J. CORRELL AND
 WIFE LINDA R. CORRELL
 DB 218 P. 983

PRELIMINARY
 (NOT FOR CONSTRUCTION)
 1/26/2016

DATE	BY	REV.	DESCRIPTION

FACILITY MAP

SCALE: 1" = 300'

DATE: 1/26/2016

DRAWN BY: L. CARAWARD

CHD. BY: W. SULLIVAN

PROJECT NUMBER: G15003

DRAWING NO. 1 OF 1

SHEET NO. 1 OF 1

**MUNICIPAL SOLID WASTE
 LANDFILL FACILITY
 ALEXANDER COUNTY
 TAYLORSVILLE, NORTH CAROLINA**

Municipal Services

P.O. BOX 97 GARNER, N.C. 27529
 (919) 772-5393

ME Engineering Company, P.A.

P.O. BOX 349 BOONE, N.C. 28607
 (828) 262-1767

LICENSE NUMBER: C-0281