

**IREDELL COUNTY SOLID WASTE
MOORESVILLE TRANSFER STATION
PERMIT # 49-04T
OPERATIONS PLAN
(Request for Permit Renewal)**



February 27, 2015
Revised September 24, 2015

*Prepared by;
David Lambert*



IREDELL COUNTY SOLID WASTE

354 TWIN OAKS ROAD
Statesville, NC 28625
704-878-5430

| Permit No. | Date | Document ID No. |
|------------|---------------------|-----------------|
| 49-04T | September 25, 2015, | 25053 |

September 25, 2015

Ming-Tai Chao, P.E.
Permitting Branch, Solid Waste Section
NCDENR, Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

Received by an e-mail
Date: September 25, 2015
Solid Waste Section
Raleigh Central Office

Re: Renewal application for Permit No. 49-03

Dear Mr. Chao:

I am providing the enclosed documents per your request of September 17, 2015. I have prepared responses to the comments you provided which are enclosed. The operating plan has been revised to incorporate those responses. Additionally you will find a separate document that includes only the affected pages with the specific changes high-lighted. A purchase order has been obtained for the permit fee. At this time I am awaiting the Compliance History Review and will complete and return as quickly as possible. I believe this will fulfill the requirements, however should you need additional information please do not hesitate to contact me. I want to convey my sincere appreciation for all the assistance provided by you in this process.

Sincerely,

A handwritten signature in blue ink that reads "David Lambert".

David Lambert
Director of Solid Waste
Iredell County

enc.



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

SOLID WASTE SECTION

September 17, 2015

Mr. David Lambert
Director of Solid Waste
354 Twin Oaks Road
Statesville, NC 28625

Subject: Comments on the Permit Amendment Application
Iredell County (Mooresville) Transfer Station
Iredell County, North Carolina,
Permit No. 4904T-TRANSFER-1998, Document ID No. (DIN) 25015

Dear Mr. Lambert:

On September 08, 2015 the Division of Waste Management (DWM), Solid Waste Section (SWS) received the permit amendment application for a five (5)-year permit review of the above-referenced facility, which is titled as:

- *Operations Plan, Iredell County Solid Waste Mooresville Transfer Station, Permit # 49-04T*
Dated February 27, 2015. (DIN 24989).

The SWS conduct a review of the above-mentioned permit amendment application according to the North Carolina Solid Waste Management Rules (Rule) 15A NCAC 13B .0401 & .0402 and has few comments stated below:

1. (Section I. Facility Location) Please correct the typo of the facility address. The SWS record shows the facility physical address is 158 MacLeod Drive, Mooresville, NC.
2. (Section V. Operation Plan, Subsection A. General) The Section I – Introduction and Background of the permit amendment application, in consistent with the latest Facility Compliance Inspection Report for the transfer station, describes that “waste” is transported to the Iredell County MSWLF, Permit No. 4903-MSWLF-1993, at 354 Twins Oak Rd. in Statesville. To avoid any confusion please provide clarifications to the Operations Plan:
 - a. The SWS records show the Iredell County Baling Facility, Permit No. 4903TP-MWP is approved to collect, process/treat, and temporarily store the or recovered or recyclable

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200\ Internet: <http://portal.ncdenr.org/web/wm/sw>

material as defined in NCGS 130A 290(a)(24) & (26), respectively. The Operations Plan should specifically describe that the collected recyclables and recovered material at the Iredell County Transfer Station will be transported to Iredell County Baling Facility, Permit No. 4903TP-MWP at 354 Twins Oak Rd. in Statesville.

- b. If any recyclables or recovered material at the Iredell County Transfer Station will be directly transported to the off-facility facilities other than the Iredell County Baling Facility, the Operations Plan must describe the waste stream and provide the info of the facilities that will accept the recyclables or recovered material for the final treatment, processes, or disposal. The info including facility name, physical address, and Solid Waste Permit Number, if applicable, must also be documented in the facility operating records. Please add this requirement to the Section
 - c. The Operations Plan states that Iredell County Transfer Station is accepting C&D wastes. To be consistent with the requirement stated in the Section F. Hazard and Nuisance Control in the Operations Plan, the C&D waste stream that received at the transfer station must exclude asbestos-containing material/waste as defined in 40 CFR 61. Please add this requirement to the Section.
3. (Section V. Operation Plan, Subsection D. Waste Transfer) Please describe the activities related to outgoing container or vehicle at the loading bay or staging area, such as inspection of leakage, removal/cleanup spillage including leachate, if occurs, approaches or measures (such as covers) to maintaining sanitary/clean and to prevent a nuisance (litter or dust) or insect breeding.
4. (Section V. Operation Plan, Subsection F. Hazard and Nuisance Control) Please address the following concerns:
 - a. (The first paragraph) The referenced rule should be 15A NCAC 13B .0402(2). Please correct the typo.
 - b. (Fire) Please describe the procedures to handle and management “hot load” in the following conditions – approaching the facility scale house, inside the facility, on the tipping floor inside the building.
 - c. (Fire) Please add the open burning of solid waste is prohibited at the facility to this subsection of the Operations Plan.
 - d. (Fire) Should a fire occur at the transfer station, the Iredell County (the County) must report the fire occurrence to the Regional Environmental Specialist within twenty-four (24) hours of the occurrence with a written notification to be submitted within fifteen (15) calendar days of the occurrence. Please add the fire reporting requirement to the Operations Plan. The SWS has the standardized fire occurrence form; if the County

intends to use it, please download the form from the SWS web site at http://portal.ncdenr.org/c/document_library/get_file?uuid=18760b57-0f71-464e-b89f-cf4790caa65f&groupId=38361; and the form should be appended to the Operation Plan.

- e. (Fire) Fire lanes must be maintained and passable at all times between the areas to temporarily store wastes, recyclables, and recovered material. Dimensions of the fire lanes must be coordinated with the Fire Marshall having jurisdiction over the site. Please add these requirements to this subsection.
- 4 (Contingency Plan)
- a. According to the info shown at the Iredell County web site, the phone number to reach David Martin is 704-878-3074. Please confirm the phone number provided in the Contingency Plan.
 - b. The phone number to contact the National Response Center shall be 800-424-8802. Please correct the typo in the Contingency Plan.

Please submit the SWS the completed written responses and the hard copy of the revised portions of the permit application and one completed electronic copy of the final permit amendment application. The SWS appreciates your effort and cooperation in this matter. If you have any questions or a request for clarification of the comments, please contact me at (919) 707-8251 or ming.chao@ncdenr.gov.

Sincerely,



Ming-Tai Chao, P.E.
Environmental Engineer
Division of Waste Management, NCDENR

cc:
Ed Mussler, Permitting Branch Supervisor
Teresa Bradford, DWM
Deb Aja, DWM
Central Files

Written responses to NCDENR comments regarding

Iredell County Permit #4903 renewal application

Mooresville Transfer Station

September 24, 2015

1. (Section I. Facility Location) Please correct the typo of the facility address. The SWS record shows the facility physical address is 158 MacLeod Drive, Mooresville, NC.
 - 158 MacLeod Drive is the official spelling and will be corrected in the request.

2. (Section V. Operation Plan, Subsection A. General) The Section I — Introduction and Background of the permit amendment application, in consistent with the latest Facility Compliance Inspection Report for the transfer station, describes that "waste" is transported to the Iredell County MSWLF, Permit No. 4903-MSWLF-1993, at 354 Twins Oak Rd. in Statesville. To avoid any confusion please provide clarifications to the Operations Plan:
 - a. The SWS records show the Iredell County Baling Facility, Permit No. 4903TP-MWP is approved to collect, process/treat, and temporarily store the or recovered or recyclable material as defined in NCGS 130A 290(a)(24) & (26), respectively. The Operations Plan should specifically describe that the collected recyclables and recovered material at the Iredell County Transfer Station will be transported to Iredell County Baling Facility, Permit No. 4903TP-MWP at 354 Twins Oak Rd. in Statesville.
 - Traditional recyclables such paper, plastic, OCC are source separated by the generators and transported by county trucks and employees to the Twin Oaks Solid Waste Facility baler plant; Permit No. 4903TP-MWP located at 354 Twin Oaks Road in Statesville NC for processing into bales and final market disposition with buyers who send trucks for pickup.
 - Used Tires and Textiles are collected and transported to the Twin Oaks Solid Waste Facility where they are consolidated for shipment to contracted vendors.

 - b. If any recyclables or recovered material at the Iredell County Transfer Station will be directly transported to the off-facility facilities other than the Iredell County Baling Facility, the Operations Plan must describe the waste stream and provide the info of the facilities that will accept the recyclables or recovered material for the final treatment, processes, or disposal. The info including facility name, physical address, and Solid Waste Permit Number, if applicable, must also be documented in the facility operating records. Please add this requirement to the Section

- Materials that are not conducive to baling are typically hauled directly to markets. For materials with value bids are accepted monthly or annually from interested vendors. Those offering highest price are awarded the corresponding materials. As such the destination of materials may vary based upon market conditions and are subject to change. Materials with little to no value will be shipped directly to the nearest qualified vendor or to one with a contractual relationship with the county.
 - Scrap metal, whitegoods, steel and aluminum cans are marketed to L Gordon Iron and Metal located at 1300 Salisbury Road, Statesville NC 28625.
 - Electronic materials for recycling are collected, sorted and palletized for shipment to EcycleSecure, an R2 certified recycler located at 4300 Northlake Ct#K in Charlotte, NC.
 - Anti-freeze, used motor oil and filters are removed by Universal Environmental, 7107 Choctaw Ct, Browns Summit, NC
 - Cooking oil is removed by Mahoney Environmental, 712 Essington Rd, Joliet, IL
 - Propane tanks are collected by Rapid Exchange in Clinton NC
 - Lead acid batteries are picked up by Just Batteries, Inc located on 800 River Highway, Mooresville NC
 - Yard waste is collected in roll-off boxes and transported to the Town of Mooresville yard waste site located at 152 Bandit Lane, Mooresville. This is a small type I site managed by the town who handles the annual notification requirement.
- c. The Operations Plan states that Iredell County Transfer Station is accepting C&D wastes. To be consistent with the requirement stated in the Section F. Hazard and Nuisance Control in the Operations Plan, the C&D waste stream that received at the transfer station must exclude asbestos-containing material/waste as defined in 40 CFR 61. Please add this requirement to the Section.
- C&D waste is only accepted in pickup load amounts and is typically from residential sources. Asbestos materials (friable as well as non-friable) are not accepted. Any materials suspected of containing asbestos will be directed to the Twin Oaks Solid Waste Facility, Permit No. 4903 in Statesville.
3. (Section V. Operation Plan, Subsection D. Waste Transfer) Please describe the activities related to outgoing container or vehicle at the loading bay or staging area, such as inspection of leakage, removal/cleanup spillage including leachate, if occurs, approaches or measures (such as covers) to maintaining sanitary/clean and to prevent a nuisance (litter or dust) or insect breeding.
- The tipping floor, tipping floor apron and loading bay can be cleaned by sweeping or

flushing with water. A mechanical sweeper as well as brooms is used to keep these areas clean throughout the day as needed. Litter is manually picked up and removed back to the tipping floor. The loading bay is equipped with screening to reduce the amount of dust escaping into the environment. Rinse water or leachate from all three areas flow to drains that empty into the Town of Mooresville WWTP. In the event a leachate spill occurred outside this area such as a driveway, absorbent materials are kept on hand to soak it up and then the resulting wastes are carried back to the tipping floor. All trucks and trailers are equipped with tarping systems to prevent materials from spilling to roadways. The tailgates on trailers are maintained to make tight seals to lessen the chance of accidental spillage.

4. (Section V. Operation Plan, Subsection F. Hazard and Nuisance Control) Please address the following concerns:

a. (The first paragraph) The referenced rule should be 15A NCAC 13B .0402(2). Please correct the typo.

- This is a cut and paste error that will be corrected

b. (Fire) Please describe the procedures to handle and management "hot load" in the following conditions - approaching the facility scale house, inside the facility, on the tipping floor inside the building.

- In the event a hot load is approaching the scale house or inside the facility it would not be prudent to send it back into traffic. Therefore a call to 911 will be made to request assistance, the truck will be directed to the tipping floor apron area to wait for assistance, unload or set roll-off box down. The area will be closed to protect other persons and property. Small scale fires that are non-risk to health/safety may be addressed by facility personnel but larger blazes will be left to professional firefighters. After it is assured all hotspots are extinguished the materials will be loaded and hauled to the Twin Oaks Solid Waste Facility for disposal. They will be unloaded on soil and observed until the end of the day before being covered in accordance with normal procedure.
- Hot loads in the building will be reported immediately to supervisor or scalehouse and call placed to 911 for fire department assistance. All traffic will be blocked from entering the area for safety reasons. The loader will be used to segregate the hot materials from other potential fuel sources. Fire hoses within the building can be utilized to wet down any hot materials as well as other materials within the building. Once all flames and hotspots are verified to be extinguished the affected materials will be loaded into roll-off boxes and hauled to the Twin Oaks Solid Waste Facility where they will be unloaded on soil and segregated from other waste. At the end of the working day provided no hotspots have been observed the affected load will be covered according to normal procedures.

c. (Fire) Please add the open burning of solid waste is prohibited at the facility to this sub section of the Operations Plan.

- Internal policy does not allow the acceptance of any burnt materials or ash. Materials are never burnt at the site under any circumstance.
- d. (Fire) Should a fire occur at the transfer station, the Iredell County (the County) must report the fire occurrence to the Regional Environmental Specialist within twenty-four (24) hours of the occurrence with a written notification to be submitted within fifteen (15) calendar days of the occurrence. Please add the fire reporting requirement to the Operations Plan. The SWS has the standardized fire occurrence form; if the County intends to use it, please download the form from the SWS web site at [http://portal.ncdenr.oru/c7document library/get file?uuid= 18760b57-0i7l-464e-b89f-cf4790caa65f&groupId=38361](http://portal.ncdenr.oru/c7document%20library/get%20file?uuid=18760b57-0i7l-464e-b89f-cf4790caa65f&groupId=38361): and the form should be appended to the Operation Plan.
- We will add the standard fire reporting form at the appropriate location.
- e. (Fire) Fire lanes must be maintained and passable at all times between the areas to temporarily store wastes, recyclables, and recovered material. Dimensions of the fire lanes must be coordinated with the Fire Marshall having jurisdiction over the site. Please add these requirements to this subsection.
- There is no storage of loose materials or placement of boxes outside any of the areas specifically designed for that purpose. The driveways and lots are kept free of unattended vehicles or containers. The entire site plan was approved in advance by the appropriate jurisdictions planning, zoning, fire marshal offices and building inspectors. The site is subject to periodic inspections by town or county fire marshal offices.
- 4 (Contingency Plan)
- a. According to the info shown at the Iredell County web site, the phone number to reach David Martin is 704-878-3074. Please confirm the phone number provided in the Contingency Plan.
- The County Emergency Management Department can be reached at 704-878-5353 which is manned 24 hours per day, 7 days a week. During regular 8am to 5pm weekdays the Director of Emergency Management may be reached at 704-878-3074 or 704-902-2272
- b. The phone number to contact the National Response Center shall be 800-424-8802. Please correct the typo in the Contingency Plan.
- The typo will be corrected in new submission.

Iredell County

September 24, 2015

Mooresville Transfer Station

NCDENR Permit #49 03

Revised Portions of Transfer Station Permit Application

I. INTRODUCTION AND BACKGROUND

This permit application has been created on behalf of the Iredell County Department of Solid Waste for the Solid Waste Handling and Transfer Facility. The intention of this application is to renew the existing permit, number (49-04T) for the Municipal Solid Waste (MSW) transfer facility. Operation of this solid waste management facility will be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in facility permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.

The MSW transfer facility transports its waste to the Iredell County Landfill in Statesville North Carolina, which is a lined waste management facility (Permit number 49-03).

Zoning approval, as well as approval to discharge wastewater effluent into the Town of Mooresville's sewer system, was acquired when the MSW transfer facility was originally permitted in November of 1996. An oil/water separator was added in 2011 to pre-treat storm water and tipping floor track out water before discharge into Town of Mooresville sewer system.

I. FACILITY LOCATION

The Iredell County MSW Transfer Facility is located in Mooresville, North Carolina. The facility, which is owned and operated by the County of Iredell, is located approximately one mile east of US Interstate-77, and accessed from NC Hwy 150, as depicted in Attachment 1.

The street address is as follows:

Iredell County Transfer Station
158 MacLeod Drive
Mooresville, North Carolina 28115
Telephone (704) 663-5314

V. OPERATION PLAN

A. General

The Iredell County Transfer Station will be open Monday through Saturday from 7:00 a.m. until 6:30 p.m., as well as Sundays from 2:00 p.m. until 6:30 p.m. The facility will be closed in the observance of the following holidays: New Year's Day, Good Friday, Easter Sunday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas (one or two days, depending on calendar).

Waste collection and transportation vehicles are weighed in at the scale house. If empty weights are not known for the vehicle they are 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. 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.

The Recycling/drop-off area consists of roll off containers, 4 cubic yard dump bins and a compacter container which are labeled for disposal of source separated materials. These are transported to the Twin Oaks Facility on as needed basis or directly to recycling markets on occasion. **Traditional recyclables such paper, plastic, OCC are source separated by the generators and transported by county trucks and employees to the Twin Oaks Solid Waste Facility baler plant; Permit No. 4903TP-MWP located at 354 Twin Oaks Road in Statesville NC for processing into bales and final market disposition with buyers who send trucks for pickup.**

Materials that are not conducive to baling are typically hauled directly to markets. For materials with value, bids are accepted monthly or annually from interested vendors. Those offering highest price are awarded the corresponding materials. As such the destination of materials may vary based upon market conditions and are subject to change. Materials with little to no value will be shipped directly to the nearest qualified vendor or to one with a contractual relationship with the county.

Other activities that occur at the transfer facility include:

- **Used Tires and Textiles are collected and transported to the Twin Oaks Solid Waste Facility where they are consolidated for shipment to contracted vendors.**
- Used lead-acid batteries are collected in a designated location. These batteries are stored on a plastic pallet with spill containment adjacent to the main MSW facility. In general, the batteries are removed once a week. **Lead acid batteries are picked**

up by Just Batteries, Inc located on 800 River Highway, Mooresville NC

- Used oil is collected in an aboveground 500-gallon steel tank located under a roofed structure, and stored until proper disposal. Antifreeze is also collected at the facility in two 55-gallon barrels that are adjacent to the oil tank. These materials are removed from the site on a bi-monthly basis. If needed, this removal rate is raised or lowered. Oil Filters are collected in 55 gallon barrels.. **Anti-freeze, used motor oil and filters are removed by Universal Environmental, 7107 Choctaw Ct, Browns Summit, NC**
- Yard Waste such as grass clippings, leaves, brush, and other debris is collected in two separate roll-off containers located near the main MSW facility. **Yard waste is collected in roll-off boxes and transported to the Town of Mooresville yard waste site located at 152 Bandit Lane, Mooresville. This is a small type I site managed by the town who handles the annual notification requirement.**
- White Goods, Scrap Metal. A white goods facility is located on site and is operated by employee with proper licensing. Both Freon containing and Non-Freon containing appliances are collected and held for processing before shipping to scrap metal vendor. Processing includes the extraction of refrigerants. The handling and disposal of these items are governed by 40 CFR 82 "Protection of Stratosphere Ozone". The discarded materials are removed on a weekly basis. Some precious metals such as copper, brass, aluminum are segregated at this area. Scrap metal is collected in a 40 yard box located in the main public access area. **Scrap metal, whitegoods, steel and aluminum cans are marketed to L Gordon Iron and Metal located at 1300 Salisbury Road, Statesville NC 28625.**
- Electronics; The white goods facility also serves for the collection point for electronics as well. Electronics delivered by the public are set off on the dock and employees separate as to type, consolidate and palletize **for shipment to EcycleSecure, an R2 certified recycler located at 4300 Northlake Ct#K in Charlotte, NC**
- **Cooking oil is removed by Mahoney Environmental, 712 Essington Rd, Joliet, IL**
- **Propane tanks are collected by Rapid Exchange in Clinton NC**
- Construction and Demolition materials are collected in three designated roll-off containers. These materials are stored until proper disposal can occur, which is

typically on a weekly or as-needed basis. C&D waste is only accepted in pickup load amounts and is typically from residential sources. Asbestos materials (friable as well as non-friable) are not accepted. Any materials suspected of containing asbestos will be directed to the Twin Oaks Solid Waste Facility, Permit No. 4903 in Statesville.

- The Scalehouse and Office are open during standard operating hours. Vehicles transporting MSW and C&D will stop at the scalehouse for weighing before and after trips to the transfer station.

B. Equipment

The equipment, which is used at the MSW Transfer Station, is owned and operated by Iredell 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:

- 2 Backhoes
- 2 Wheel Loaders
- 5 Open-Top Transfer Trucks & Trailers
- 1 Roll-off Truck
- 1 Pickup Truck
- 1 Street Sweeper
- 1 Lawn Tractor
- 1 Skid Steer Loader

Either the backhoe or front-end loader will collect the waste from the facility's tipping floor, then the waste is compressed and loaded into trailers located in the lower level of the transfer station. Based on the current waste volume rates, the transfer station can be managed with one front-end loader.

C. 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.

D. Waste Transfer

All vehicles will be weighed at the scale and 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. A front-end loader will then push and compact the waste onto the transfer trailer through the loading bay. Once full the transfer trailer will transport the waste to the Iredell County Landfill in Statesville, North Carolina, and an empty trailer will replace the departing trailers.

Outgoing trailers will then 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 Department of Solid Waste.

The tipping floor, tipping floor apron and loading bay can be cleaned by sweeping or flushing with water. A mechanical sweeper as well as brooms is used to keep these areas clean throughout the day as needed. Litter is manually picked up and removed back to the tipping floor. The loading bay is equipped with screening to reduce the amount of dust escaping into the environment. Rinse water or leachate from all three areas flow to drains that empty into the Town of Mooresville WWTP. In the event a leachate spill occurred outside this area such as a driveway, absorbent materials are kept on hand to soak it up and then the resulting wastes are carried back to the tipping floor. All trucks and trailers are equipped with tarping systems to prevent materials from spilling to roadways. The tailgates on trailers are maintained to make tight seals to lessen the chance of accidental spillage

E. Wastewater Management

The tipping floor will be cleaned daily by sweeping and/or washing down. Wastewater generated as a result of daily operations and daily cleaning of the facility will be collected by a drain in the lower loading bay or at catch basin and oil/water separator located at the tipping floor apron. These drains are then piped into the city of Mooresville wastewater collection system.

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 or local ordinance.

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. There shall be no flammable liquids stored in or around the MSW Transfer Station. A hose and water supply will be provided inside the facility for fire fighting measures, and in the case of a fire, the local Fire Department will be contacted by calling 911.

Internal policy does not allow the acceptance of any burnt materials or ash. Materials are never burnt at the site under any circumstance.

In the event a hot load is approaching the scale house or inside the facility it would not be prudent to send it back into traffic. Therefore a call to 911 will be made to request assistance, the truck will be directed to the tipping floor apron area to wait for assistance, unload or set roll-off box down. The area will be closed to protect other persons and property. Small scale fires that are non-risk to health/safety may be addressed by facility personnel but larger blazes will be left to professional firefighters. After it is assured all hotspots are extinguished the materials will be loaded and hauled to the Twin Oaks Solid Waste Facility for disposal. They will be unloaded on soil and observed until the end of the day before being covered in accordance with normal procedure.

Hot loads in the building will be reported immediately to supervisor or scalehouse and call placed to 911 for fire department assistance. All traffic will be blocked from entering the area for safety reasons. The loader will be used to segregate the hot materials from other potential fuel sources. Fire hoses within the building can be utilized to wet down any hot materials as well as other materials within the building. Once all flames and hotspots are verified to be extinguished the affected materials will be loaded into roll-off boxes and hauled to the Twin Oaks Solid Waste Facility where they will be unloaded on soil and segregated from other waste. At the end of the

working day provided no hotspots have been observed the affected load will be covered according to normal procedures.

Fire lanes must be maintained and passable at all times. Dimensions of the fire lanes must be coordinated with the Fire Marshall having jurisdiction over the site. There is no storage of loose materials or placement of boxes outside any of the areas specifically designed for that purpose. The driveways and lots are kept free of unattended vehicles or containers. The entire site plan was approved in advance by the appropriate jurisdictions planning, zoning, fire marshal offices and building inspectors. The site is subject to periodic inspections by town or county fire marshal offices.

Should a fire occur at the transfer station, Iredell County must report the fire occurrence to the Regional Environmental Specialist within twenty-four(24) hours of the occurrence with a written notification to be submitted within fifteen (15) calendar days of the occurrence. The County will use the Solid Waste Sections standardized fire occurrence form; which can be downloaded from the SWS web site at <http://portal.ncdenr.oru/c7document library/get file?uuid=18760b57-0i7l-464e-b89f-cf4790caa65f&groupid=38361>. A sample of this form is attached as Attachment 3.

Litter: The implementation of covered transfer vehicles, staff supervision, and a fenced facility will be used to prevent litter. At the conclusion of each day of operation, all windblown materials resulting from the operation will be collected and returned to the area by the owner or operator. Periodically throughout the day litter control activities may take place.

Odors and Vectors: Measures to be 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 floor will be washed at least once per day. The tipping area will be empty and clean at the end of each working day.

Dust: The access road and the area adjacent to the MSW Transfer Station are paved to help lessen the problems associated with dust.

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

Address: 392 Rankin Hill Road
Contact Number(s): (Work) 704-663-5314

Troutman, NC 28166
(Home) 704-528-7219

It shall be the responsibility of the emergency coordinator to contact the County Emergency Management Department at 704-878-5353 which is manned 24 hours per day, 7 days a week. During regular 8am to 5pm weekdays the Director of Emergency Management may be reached at 704-878-3074 or 704-902-2272. The Solid Waste Director should also be contacted; David Lambert 704-878-5432, 704-902-1866

General Duties in Emergencies:

Handling of Hazardous Waste

1. If discovered before or at time of unloading the material will be refused and it shall be haulers responsibility to deal with according to regulatory rules.
2. If discovered after unloading it will become Iredell County Solid Waste Facility's responsibility to dispose of by the following guidelines.

All Iredell County Solid Waste Personnel Should:

1. Report uncontrolled releases of hazardous chemicals to the outside environment to the Emergency Coordinator.
2. Alert other personnel working in the area to initiate protective measures.
3. Provide details of the release.
4. Contact appropriate local authorities as directed by the Emergency Coordinator.
5. Assist in evacuation if necessary.
6. Barricade areas to prevent entrance.

Emergency Coordinator Duties:

1. Assess nature of the release (type of chemical).
2. Evaluate the effects (immediate), use your Material Safety Data Sheets if such can be obtained quickly.
3. Determine if evacuation is necessary.
4. Help contain spill if there is no danger.
5. Remove incompatible materials to prevent reactions.
6. Call 911 first, and then notify County Emergency Management – David Martin @ 704-878-5353, or 704-902-2272.
7. Notify NCDENR.
8. Iredell County Emergency Management Coordinator will determine if necessary to notify the National Response Center (800-424-8802), give the following information:
 - * Your name and telephone number
 - * Facility name and location.

ATTACHMENT 3

Fire Report Form

SOLID WASTE MANAGEMENT FACILITY
FIRE OCCURRENCE NOTIFICATION
NC DENR Division of Waste Management
Solid Waste Section



Notify the Section verbally within 24 hours and submit written notification within 15 days of the occurrence.
(If additional space is needed, use back of this form.)

NAME OF FACILITY: _____ PERMIT # _____

DATE AND TIME OF FIRE: _____ @ _____

HOW WAS THE FIRE REPORTED AND BY WHOM:

LIST ACTIONS TAKEN:

WHAT WAS THE CAUSE OF THE FIRE:

DESCRIBE AREA, TYPE, AND AMOUNT OF WASTE INVOLVED:

WHAT COULD HAVE BEEN DONE TO PREVENT THIS FIRE:

DESCRIBE PLAN OF ACTIONS TO PREVENT FUTURE INCIDENTS:

NAME: _____ TITLE: _____ DATE: _____

THIS SECTION TO BE COMPLETED BY SOLID WASTE SECTION REGIONAL STAFF

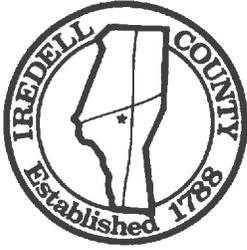
DATE RECEIVED _____

List any factors not listed that might have contributed to the fire or that might prevent occurrence of future fires:

FOLLOW-UP REQUIRED:
 NO PHONE CALL SUBMITTAL MEETING RETURN VISIT BY: _____ (DATE)

ACTIONS TAKEN OR REQUIRED:

Revised 6/8/09



IREDELL COUNTY SOLID WASTE

354 TWIN OAKS ROAD
Statesville, NC 28625
704-878-5430



September 3, 2015

Ed Mussler, P.E.
Department of Environment and Natural Resources
Permitting Branch Supervisor
1646 Mail Service Center
Raleigh, NC 27699-1646

Dear Mr. Mussler:

I am contacting you to provide a hardcopy of the request to renew the operating permit for Iredell County's Mooresville Transfer Station. The station is located in Mooresville NC at 158 MacLeod Drive and serves the town of Mooresville and southern regions of Iredell County. All waste materials and recyclables are transported to our main facility located on Twin Oaks Road in Statesville NC. The station operating permit # 49-04T will expire in February 2016. All invoices or written documents should be sent to my attention at the above address. Please do not hesitate to call or email with any requests. (704-878-5432, dlambert@co.iredell.nc.us)
Thank you.

Sincerely,

David Lambert
Director of Solid Waste
Iredell County

I. INTRODUCTION AND BACKGROUND

This permit application has been created on behalf of the Iredell County Department of Solid Waste for the Solid Waste Handling and Transfer Facility. The intention of this application is to renew the existing permit, number (49-04T) for the Municipal Solid Waste (MSW) transfer facility. Operation of this solid waste management facility will be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in facility permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.

The MSW transfer facility transports its waste to the Iredell County Landfill in Statesville North Carolina, which is a lined waste management facility (Permit number 49-03).

Zoning approval, as well as approval to discharge wastewater effluent into the Town of Mooresville's sewer system, was acquired when the MSW transfer facility was originally permitted in November of 1996. An oil/water separator was added in 2011 to pre-treat storm water and tipping floor track out water before discharge into Town of Mooresville sewer system.

I. FACILITY LOCATION

The Iredell County MSW Transfer Facility is located in Mooresville, North Carolina. The facility, which is owned and operated by the County of Iredell, is located approximately one mile east of US Interstate-77, and accessed from NC Hwy 150, as depicted in Attachment 1.

The street address is as follows:

Iredell County Transfer Station
158 MacLeod Drive
Mooresville, North Carolina 28115
Telephone (704) 663-5314

II. FACILITY OWNER

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

David Lambert, Solid Waste Director
354 Twin Oaks Road
Statesville, NC 28687
Telephone (704) 878-5432

Teddy Boller, SW Operations Supervisor
354 Twin Oaks Road
Statesville, NC 28625
Telephone (704) 928-2023

Susan Cornell, Administrative Manager
354 Twin Oaks Road
Statesville, NC 28625
Telephone (704) 928-2023

Rhyne Anderson, Transfer Station Supervisor
158 MacLeod Drive
 Mooresville NC 28115
Telephone – (704) 663-5314

III. FACILITY DESCRIPTION

The Iredell County Facility consists of an enclosed building for MSW transfer, a white goods collection facility, a recycling center, and areas used to accumulate used tires, oil, oil filters and lead-acid batteries until they can be removed for proper recycling. There are also containers for the transfer of: wood and yard waste, cardboard, metal, appliances [TLB1] and construction and demolition materials. Plastic bottles are collected in a 40 yard compactor box. There are plans to incorporate an employee conference/breakroom and supervisors office before the next permit renewal. These facilities are located on Attachment 1.

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 5,250 square feet (75 feet by 70 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 floor is collected through drains in the tipping floor or through a catch basin and oil/water separator. These drains along with those on the lower loading bay empty into the Mooresville City sanitary sewer line. Any solid waste not removed from the transfer station will be stored in an enclosed transfer trailer overnight. The aforementioned structure is shown on Attachment 1.

IV. SOURCE, TYPES, AND QUANTITIES OF WASTE

The source of municipal solid waste will be from residential, commercial, and industrial facilities located within Iredell County. The MSW handling and transfer facility will be used solely for the handling and conveyance of municipal solid waste generated within Iredell County. The Facility will only accept solid waste as defined in G.S. 130A – 290(18a). 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.

In FY 2013-2014 the monthly average was 3,761 tons per month. However the three preceding years respectively were 3,650 month; 3,728/month and 4,031 per month. Tonnage is anticipated to average upwards to 4,000 per month and occasionally may exceed that in the future. Recycled tonnages have decreased somewhat to 3,085 tons last fiscal year, most likely due to Town of Mooresville starting a more aggressive curbside program.

V. OPERATION PLAN

A. General

The Iredell County Transfer Station will be open Monday through Saturday from 7:00 a.m. until 6:30 p.m., as well as Sundays from 2:00 p.m. until 6:30 p.m. The facility will be closed in the observance of the following holidays: New Year's Day, Good Friday, Easter Sunday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas (one or two days, depending on calendar).

Waste collection and transportation vehicles are weighed in at the scale house. If empty weights are not known for the vehicle they are 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. 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.

The Recycling/drop-off area consists of roll off containers, 4 cubic yard dump bins and a compacter container which are labeled for disposal of source separated materials. These are transported to the Twin Oaks Facility on as needed basis or directly to recycling markets on occasion. Traditional recyclables such paper, plastic, OCC are source separated by the generators and transported by county trucks and employees to the Twin Oaks Solid Waste Facility baler plant; Permit No. 4903TP-MWP located at 354 Twin Oaks Road in Statesville NC for processing into bales and final market disposition with buyers who send trucks for pickup.

Materials that are not conducive to baling are typically hauled directly to markets. For materials with value, bids are accepted monthly or annually from interested vendors. Those offering highest price are awarded the corresponding materials. As such the destination of materials may vary based upon market conditions and are subject to change. Materials with little to no value will be shipped directly to the nearest qualified vendor or to one with a contractual relationship with the county.

Other activities that occur at the transfer facility include:

- Used Tires and Textiles are collected and transported to the Twin Oaks Solid Waste Facility where they are consolidated for shipment to contracted vendors.
- Used lead-acid batteries are collected in a designated location. These batteries are stored on a plastic pallet with spill containment adjacent to the main MSW facility. In general, the batteries are removed once a week. Lead acid batteries are picked

up by Just Batteries, Inc located on 800 River Highway, Mooresville NC

- Used oil is collected in an aboveground 500-gallon steel tank located under a roofed structure, and stored until proper disposal. Antifreeze is also collected at the facility in two 55-gallon barrels that are adjacent to the oil tank. These materials are removed from the site on a bi-monthly basis. If needed, this removal rate is raised or lowered. Oil Filters are collected in 55 gallon barrels.. Anti-freeze, used motor oil and filters are removed by Universal Environmental, 7107 Choctaw Ct, Browns Summit, NC

- Yard Waste such as grass clippings, leaves, brush, and other debris is collected in two separate roll-off containers located near the main MSW facility. Yard waste is collected in roll-off boxes and transported to the Town of Mooresville yard waste site located at 152 Bandit Lane, Mooresville. This is a small type I site managed by the town who handles the annual notification requirement.

- White Goods, Scrap Metal A white goods facility is located on site and is operated by employee with proper licensing. Both Freon containing and Non- Freon containing appliances are collected and held for processing before shipping to scrap metal vendor. Processing includes the extraction of refrigerants. The handling and disposal of these items are governed by 40 CFR 82 "Protection of Stratosphere Ozone". The discarded materials are removed on a weekly basis. Some precious metals such as copper, brass, aluminum are segregated at this area. Scrap metal is collected in a 40 yard box located in the main public access area. Scrap metal, whitegoods, steel and aluminum cans are marketed to L Gordon Iron and Metal located at 1300 Salisbury Road, Statesville NC 28625.

- Electronics; The white goods facility also serves for the collection point for electronics as well. Electronics delivered by the public are set off on the dock and employees separate as to type, consolidate and palletize for shipment to EcycleSecure, an R2 certified recycler located at 4300 Northlake Ct#K in Charlotte, NC

- Cooking oil is removed by Mahoney Environmental, 712 Essington Rd, Joliet, IL

- Propane tanks are collected by Rapid Exchange in Clinton NC

- Construction and Demolition materials are collected in three designated roll-off containers. These materials are stored until proper disposal can occur, which is

typically on a weekly or as-needed basis. C&D waste is only accepted in pickup load amounts and is typically from residential sources. Asbestos materials (friable as well as non-friable) are not accepted. Any materials suspected of containing asbestos will be directed to the Twin Oaks Solid Waste Facility, Permit No. 4903 in Statesville.

- The Scalehouse and Office are open during standard operating hours. Vehicles transporting MSW and C&D will stop at the scalehouse for weighing before and after trips to the transfer station.

B. Equipment

The equipment, which is used at the MSW Transfer Station, is owned and operated by Iredell 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:

- 2 Backhoes
- 2 Wheel Loaders
- 5 Open-Top Transfer Trucks & Trailers
- 1 Roll-off Truck
- 1 Pickup Truck
- 1 Street Sweeper
- 1 Lawn Tractor
- 1 Skid Steer Loader

Either the backhoe or front-end loader will collect the waste from the facility's tipping floor, then the waste is compressed and loaded into trailers located in the lower level of the transfer station. Based on the current waste volume rates, the transfer station can be managed with one front-end loader.

C. 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.

D. Waste Transfer

All vehicles will be weighed at the scale and 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. A front-end loader will then push and compact the waste onto the transfer trailer through the loading bay. Once full the transfer trailer will transport the waste to the Iredell County Landfill in Statesville, North Carolina, and an empty trailer will replace the departing trailers.

Outgoing trailers will then 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 Department of Solid Waste.

The tipping floor, tipping floor apron and loading bay can be cleaned by sweeping or flushing with water. A mechanical sweeper as well as brooms is used to keep these areas clean throughout the day as needed. Litter is manually picked up and removed back to the tipping floor. The loading bay is equipped with screening to reduce the amount of dust escaping into the environment. Rinse water or leachate from all three areas flow to drains that empty into the Town of Mooresville WWTP. In the event a leachate spill occurred outside this area such as a driveway, absorbent materials are kept on hand to soak it up and then the resulting wastes are carried back to the tipping floor. All trucks and trailers are equipped with tarping systems to prevent materials from spilling to roadways. The tailgates on trailers are maintained to make tight seals to lessen the chance of accidental spillage

E. Wastewater Management

The tipping floor will be cleaned daily by sweeping and/or washing down. Wastewater generated as a result of daily operations and daily cleaning of the facility will be collected by a drain in the lower loading bay or at catch basin and oil/water separator located at the tipping floor apron. These drains are then piped into the city of Mooresville wastewater collection system.

F. 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. A short synopsis for each of these items follows:

The **Material Screening** process conforms to 15A NCAC 13B.0402(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 Transfer Station Supervisor or any personnel trained to identify and manage hazardous and liquid wastes will administer inspections.

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. A standard form is used to record and document inspections; please see Attachment 2 at the end of this document.

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 or local ordinance.

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. There shall be no flammable liquids stored in or around the MSW Transfer Station. A hose and water supply will be provided inside the facility for fire fighting measures, and in the case of a fire, the local Fire Department will be contacted by calling 911.

Internal policy does not allow the acceptance of any burnt materials or ash. Materials are never burnt at the site under any circumstance.

In the event a hot load is approaching the scale house or inside the facility it would not be prudent to send it back into traffic. Therefore a call to 911 will be made to request assistance, the truck will be directed to the tipping floor apron area to wait for assistance, unload or set roll-off box down. The area will be closed to protect other persons and property. Small scale fires that are non-risk to health/safety may be addressed by facility personnel but larger blazes will be left to professional firefighters. After it is assured all hotspots are extinguished the materials will be loaded and hauled to the Twin Oaks Solid Waste Facility for disposal. They will be unloaded on soil and observed until the end of the day before being covered in accordance with normal procedure.

Hot loads in the building will be reported immediately to supervisor or scalehouse and call placed to 911 for fire department assistance. All traffic will be blocked from entering the area for safety reasons. The loader will be used to segregate the hot materials from other potential fuel sources. Fire hoses within the building can be utilized to wet down any hot materials as well as other materials within the building. Once all flames and hotspots are verified to be extinguished the affected materials will be loaded into roll-off boxes and hauled to the Twin Oaks Solid Waste Facility where they will be unloaded on soil and segregated from other waste. At the end of the working day provided no

hotspots have been observed the affected load will be covered according to normal procedures.

Fire lanes must be maintained and passable at all times. Dimensions of the fire lanes must be coordinated with the Fire Marshall having jurisdiction over the site. There is no storage of loose materials or placement of boxes outside any of the areas specifically designed for that purpose. The driveways and lots are kept free of unattended vehicles or containers. The entire site plan was approved in advance by the appropriate jurisdictions planning, zoning, fire marshal offices and building inspectors. The site is subject to periodic inspections by town or county fire marshal offices.

Should a fire occur at the transfer station, Iredell County must report the fire occurrence to the Regional Environmental Specialist within twenty-four(24) hours of the occurrence with a written notification to be submitted within fifteen (15) calendar days of the occurrence. The County will use the Solid Waste Sections standardized fire occurrence form; which can be downloaded from the SWS web site at <http://portal.ncdenr.org/c7document library/get file?uuid= 18760b57-0i7l-464e-b89f-cf4790caa65f&groupid=38361>. A sample of this form is attached as Attachment 3.

Litter: The implementation of covered transfer vehicles, staff supervision, and a fenced facility will be used to prevent litter. At the conclusion of each day of operation, all windblown materials resulting from the operation will be collected and returned to the area by the owner or operator. Periodically throughout the day litter control activities may take place.

Odors and Vectors: Measures to be 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 floor will be washed at least once per day. The tipping area will be empty and clean at the end of each working day.

Dust: The access road and the area adjacent to the MSW Transfer Station are paved to help lessen the problems associated with dust.

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

Contingency Plan

The contingency plan is refinement of the emergency response procedures. The contingency plan addresses the specific reasons when you would need to use the plan and lists the duties of the Emergency Coordinator.

G. Iredell County Solid Waste

Mooresville Transfer Station
158 MacLeod Drive
Mooresville, NC 28115

In the event of any of the following, the contingency plan will be implemented by the Emergency Coordinator.

- Fire
- Explosion
- Release of hazardous waste or hazardous waste constituents that may harm human health or reach surface waters.
- Other: Dumping of hazardous waste materials.

Emergency Coordinator

The Facility's Emergency Coordinators are listed in the order, which they would assume authority during work hours. One of these persons will be on duty or call at all times. An Emergency Coordinator has the authority to **implement and carry out** the requirements of this plan.

Primary Emergency Coordinator:

Name: Rhyne Anderson
Address: 155 Ethel Lane Statesville, NC 28625
Contact Number(s): (Work) 704-663-5314
(Cell#) 704-437-0653 (Home) 704-7754271

Alternate Emergency Coordinator:

Name: Phil Alexander
Address: 427 South Magnolia Street Mooresville, NC 28115
Contact Number(s): (Work) 704-663-5314 (Home) 704-663-6089

Alternative Emergency Coordinator:

Name: Mark Cline

Address: 392 Rankin Hill Road
Contact Number(s): (Work) 704-663-5314

Troutman, NC 28166
(Home) 704-528-7219

It shall be the responsibility of the emergency coordinator to contact the County Emergency Management Department at 704-878-5353 which is manned 24 hours per day, 7 days a week. During regular 8am to 5pm weekdays the Director of Emergency Management may be reached at 704-878-3074 or 704-902-2272. The Solid Waste Director should also be contacted; David Lambert 704-878-5432, 704-902-1866

General Duties in Emergencies:

Handling of Hazardous Waste

1. If discovered before or at time of unloading the material will be refused and it shall be haulers responsibility to deal with according to regulatory rules.
2. If discovered after unloading it will become Iredell County Solid Waste Facility's responsibility to dispose of by the following guidelines.

All Iredell County Solid Waste Personnel Should:

1. Report uncontrolled releases of hazardous chemicals to the outside environment to the Emergency Coordinator.
2. Alert other personnel working in the area to initiate protective measures.
3. Provide details of the release.
4. Contact appropriate local authorities as directed by the Emergency Coordinator.
5. Assist in evacuation if necessary.
6. Barricade areas to prevent entrance.

Emergency Coordinator Duties:

1. Assess nature of the release (type of chemical).
2. Evaluate the effects (immediate), use your Material Safety Data Sheets if such can be obtained quickly.
3. Determine if evacuation is necessary.
4. Help contain spill if there is no danger.
5. Remove incompatible materials to prevent reactions.
6. Call 911 first, and then notify County Emergency Management – David Martin @ 704-878-5353, or 704-902-2272.
7. Notify NCDENR.
8. Iredell County Emergency Management Coordinator will determine if necessary to notify the National Response Center (800-424-8802), give the following information:
 - * Your name and telephone number
 - * Facility name and location.

- * Time and date.
 - * Type of accident (fire, spill, explosion).
 - * Name of material and amount involved.
 - * Any injuries or hazards to human health or the environment.
9. Coordinate spill cleanup through Iredell County Emergency Management.
 10. Ensure spilled material is stored in proper containers, labeled properly, and in a correct storage area.
 11. Arrange for shipment and disposal by a licensed hazardous waste contractor.
 12. Replaced used emergency equipment, recharge or replace if needed.
 13. Record the incident. Maintain records including waste screen record, photographs, shipping manifest.
 14. Reviews and updates. Periodic reviews are conducted to maintain a working response plan for our facility. If the contingency plan is implemented, the responses taken during the emergency will be reviewed at a later date for effectiveness and workability. Any changes will be noted in a revision to this plan.

Personnel Training Program

All department personnel receive several types of training. The different types of training include orientation, safety, emergency response procedures, and hazardous waste management procedure. New personnel receive training necessary to safely perform their jobs and respond in an emergency situation.

All New Personnel

New personnel receive instructions that give an overview of facilities operation. Personnel are informed of the potential hazards and proper use of various hazardous materials, tools, and machines. They receive instruction in SW department safety policy, fire prevention, proper use of fire extinguishers, PPE, right to know policy, SW Industry Safety. In addition, as part of the instruction, on the job training is provided.

Hazardous Waste Management Training Program

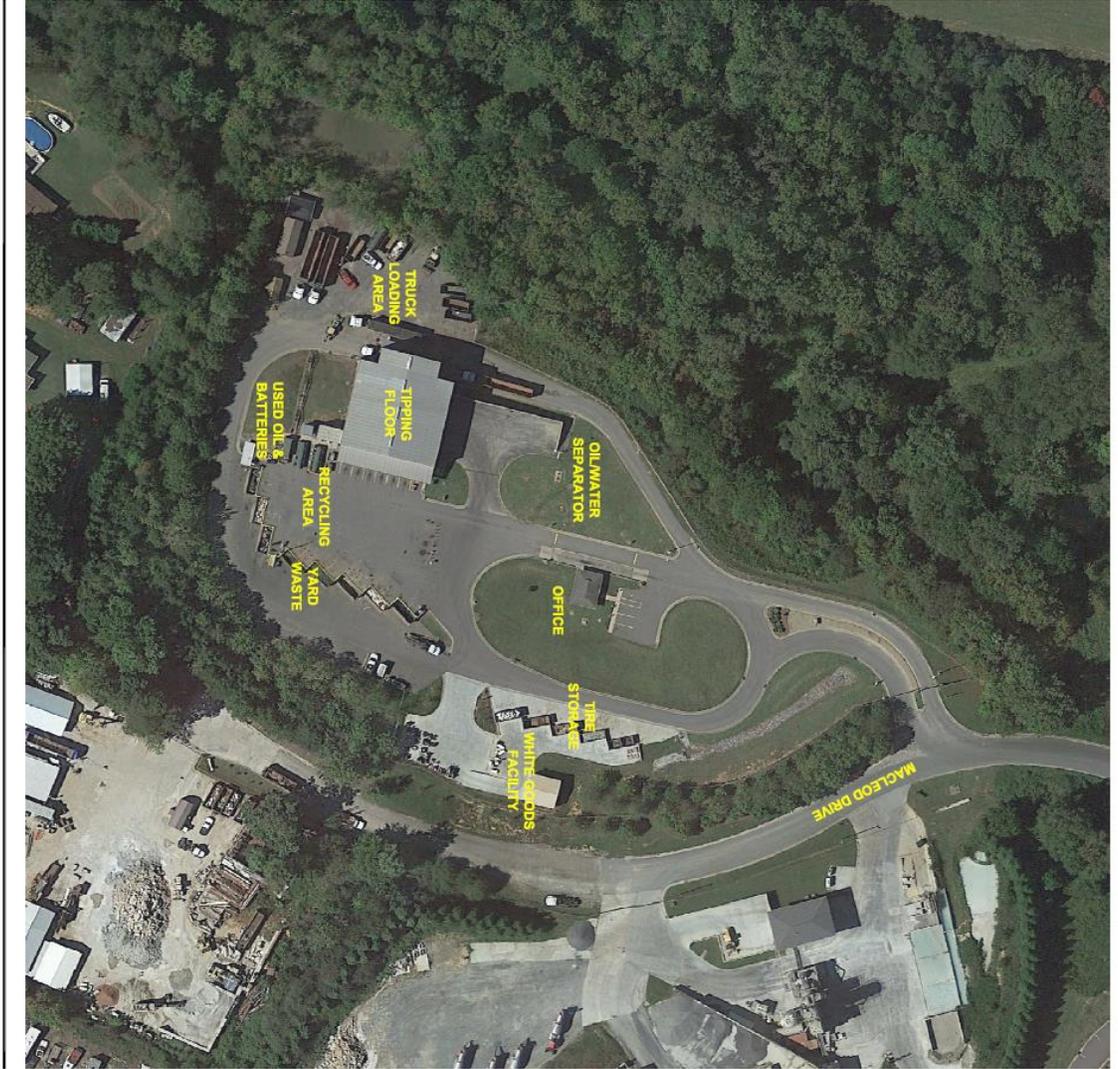
The hazardous waste management-training program serves to instruct newly hired personnel, cross-train and update current employees. There are four topics in this training program.

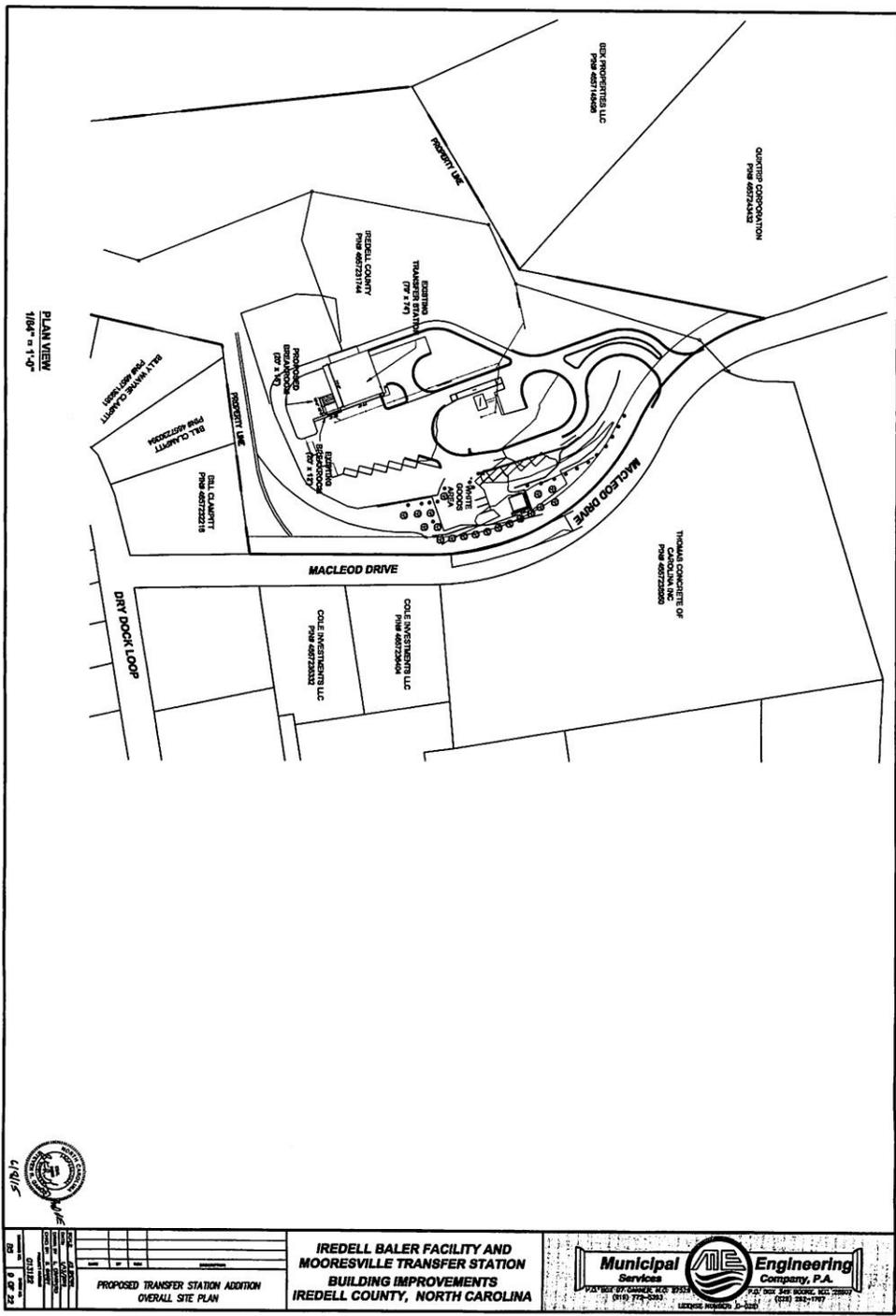
1. Introduction to hazardous waste rules and emergency responses.
2. Hazardous waste handling, storage, and labeling.
3. Emergency equipment.
4. Documentation important to hazardous waste management.

Other: We do not generate hazardous waste nor accept it with prior knowledge but may be subject to receiving it from others . Employees are trained to screen in-coming loads of waste for potentially hazardous materials.

ATTACHMENT 1
Facility Plan

(next page)





PLAN VIEW
1/26" = 1'-0"



| | |
|---------|---|
| DATE | DESCRIPTION |
| 1/26/15 | PROPOSED TRANSFER STATION ADDITION OVERALL SITE PLAN |

**IREDELL BALER FACILITY AND
MOORESVILLE TRANSFER STATION
BUILDING IMPROVEMENTS
IREDELL COUNTY, NORTH CAROLINA**

Municipal Engineering
Services Company, P.A.
1500 WEST 87TH AVENUE, SUITE 8715
DENVER, CO 80231
303.755.2500
www.municipal-engineering.com

ATTACHMENT 2
Screening Report
(next page)

Detailed Screening Report

Site: Transfer Stat Landfill Tipping Floor

Waste Source _____
Address _____

Type waste MSW C&D

Random Suspected Confirmed

Detail: _____

Waste Hauler: _____
Address : _____

Driver name: _____
Signature _____

Ticket # _____ Weight _____

Date: _____ time _____ am/pm

Screened by: _____

Witness (if any) _____

Action Required _____

Notified

Waste Source Hauler Management

Site Management NCDENR

EPA

ATTACHMENT 3

Fire Report Form

SOLID WASTE MANAGEMENT FACILITY
FIRE OCCURRENCE NOTIFICATION
NC DENR Division of Waste Management
Solid Waste Section



Notify the Section verbally within 24 hours and submit written notification within 15 days of the occurrence.
(If additional space is needed, use back of this form.)

NAME OF FACILITY: _____ PERMIT # _____

DATE AND TIME OF FIRE: _____ @ _____

HOW WAS THE FIRE REPORTED AND BY WHOM:

LIST ACTIONS TAKEN:

WHAT WAS THE CAUSE OF THE FIRE:

DESCRIBE AREA, TYPE, AND AMOUNT OF WASTE INVOLVED:

WHAT COULD HAVE BEEN DONE TO PREVENT THIS FIRE:

DESCRIBE PLAN OF ACTIONS TO PREVENT FUTURE INCIDENTS:

NAME: _____ TITLE: _____ DATE: _____

THIS SECTION TO BE COMPLETED BY SOLID WASTE SECTION REGIONAL STAFF
DATE RECEIVED _____

List any factors not listed that might have contributed to the fire or that might prevent occurrence of future fires:

FOLLOW-UP REQUIRED:

NO PHONE CALL SUBMITTAL MEETING RETURN VISIT BY: _____ (DATE)

ACTIONS TAKEN OR REQUIRED:

Revised 6/8/09