



Hertford County

P.O. Box 556
Winton, N.C. 27986
(252) 358-7867
Fax 358-7920

December 9, 2013

Mr. Ed Mussler
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699

Dear Mr. Mussler:

As the owner and operator of the Hertford County Transfer Station we are requesting a permit amendment for a five-year review and permit.

The Transfer Station is owned and operated by the Hertford County Government.

Our contact information is:

Mail: Hertford County Public Works
PO Box 556
Winton, NC 27986

Phone: 252-358-7867

Fax: 252-358-7920

E-mail: mike.bradley@hertfordcountync.gov

Sincerely,

Mike Bradley
Hertford County
Rural Public Works Manager

MB/nh

APPROVED

**DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION**

Date 03/20/2014 By Patricia M. Beckus

DIN 120732

**Attachment 1 Part VI Document 5
Permit 4602T-TRANSFER-1995 Permit DIN 20733**

*Office of
Public Works:
Solid Waste/Recycling
Litter Enforcement
Rural Public Water*

HERTFORD
C O U N T Y
North Carolina
Planning & Zoning Department

December 9, 2013

Mr. Mike Bradley
Hertford County Public Works
P. O. Box 116
Winton, NC 27986

RE: Zoning Consistency Determination — Landfill – Mt. Moriah Road — Hertford County

Dear Mr. Bradley:

This letter is to confirm Hertford County Landfill located at 227 Mt. Moriah Road and identified in Hertford County Land Records as PIN# 5996-67-8585 is zoned Heavy Industrial and is consistent with Hertford County Zoning Ordinance.

Please contact me if you have any questions or if I may be of further assistance.

Sincerely,



William S. Early, Planning & Zoning Administrator
Hertford County Planning and Zoning Department

WSE/jpg

The Site For Smart Development

Permit Amendment Application
and
Operations Plan

HERTFORD COUNTY TRANSFER STATION
WINTON, NORTH CAROLINA

Permit No. 46-02T

Hertford County Public Works

Revised December 2013

APPLICATION TABLE OF CONTENTS

- I. General Information
- II. Property Information
- III. Operations Plan

I. GENERAL INFORMATION

This permit application and operations plan has been developed for the Hertford County Department of Public Works for the operation of the Hertford County Transfer Station on Mr. Moriah Road in Winton, North Carolina. The purpose of the plan is to provide guidelines for the operation of the transfer facility in accordance with the North Carolina Solid Waste Management Rules and generally sound environmental and waste management practices.

The physical address is

Hertford County Transfer Station
227 Mt. Moriah Road
Winton, NC 27986

The mailing address is

Hertford County Transfer Station
P. O. Box 556
Winton, NC 27986

Key personnel associated with the operation of the facility are

Mike Bradley, Director
Public Works Department
227 Mt. Moriah Road
P. O. Box 556
Winton, NC 27986
Telephone: (252) 358-7867

Norma Harrell, Office Manager
Solid Waste Department
P. O. Box 556
Winton, NC 27986

II. PROPERTY INFORMATION

The Hertford County Transfer Station is located at 227 Mt. Moriah Road (SR 1174) at the end of SR 1203 approximately three miles north of the Town of Winton and south of the intersection with Highway 158 North.

III. OPERATIONS PLAN (Starts on next page)

APPROVED

DIVISION OF WASTE MANAGEMENT

SOLID WASTE SECTION

Date 03/20/2014 By Patricia M. Beckus

DIN 120732

Attachment 1 Part VI Document 5

Permit 4602T-TRANSFER-1995 Permit DIN 20733

Operations Plan

HERTFORD COUNTY TRANSFER STATION

WINTON, NORTH CAROLINA

Permit No. 46-02T

Hertford County Public Works

Revised December 2013

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A. General

The Hertford County Transfer Station is owned and operated by the County of Hertford. Waste is brought to the facility from residential (90%), commercial (8%), and industrial (2%) sources within the service area that includes all of Hertford County. The transfer station accepts municipal solid waste (MSW); construction and demolition debris waste (C&D); special wastes, such as tires, white goods, used oil, asphalt shingles, yard trash and recyclables. Approximately 5,300 tons per year are shipped from the facility to the East Carolina Regional Landfill in Bertie County, Permit No. 08-03.

Signs at the entrance announce the permit number, hours of operation, lists of acceptable and unacceptable waste, and emergency contact name and telephone number.

The facility is operated in accordance with the conditions of Permit No. 46-02T issued by the State of North Carolina, Division of Waste Management, Solid Waste Section.

B. Hours of Operation

The Hertford County Transfer Station is open Monday thru Saturday except for holidays observed by the county. The operating hours are Monday thru Friday 8:30 a.m. to 5:00 p.m. and 9:00 a.m. to 12:00 noon on Saturday. Holidays when the facility is closed are; New Years Day, Martin Luther King Jr. Holiday, Good Friday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving day and day after, Christmas Eve, Christmas Day, and day after.

To control access, the entrance to the facility is secured by a locked gate at all times except during operating hours. Access roads are all-weather construction.

C. Waste Acceptance and Screening

The Hertford County Transfer Station is authorized to accept MSW and C&D waste.

“Municipal Solid Waste” is defined as solid waste resulting from the operation of residential, commercial, industrial, governmental, or institutional establishments that would normally be collected, processed, and disposed of through a public or private solid waste management service. [N.C.G.S. 130A-290(a)(18a)]

“Construction and Demolition Debris or Waste” is defined as solid waste resulting solely from construction, remodeling, repair, or demolition operations on pavement, building, or other structures, but does not include inert debris or land-clearing debris. [N.C.G.S. 130A-290 (a)(4)]

A sign is posted at the facility listing all items banned from acceptance at this facility and the East Carolina Regional Landfill. Banned items include:

- Lead-Acid Batteries,
- Liquid Paint or any Liquid Waste,
- Large Car Parts,
- Medical Supplies,
- Animals Waste or Carcasses,
- Poisons, and
- Oyster Shells.
- Yard trash (not acceptable a East Carolina Regional Landfill)

Waste is screened as it comes into the transfer station to prevent banned items from entering the facility. The scale house attendant asks the waste hauler the type of waste he is carrying. Approximately 98% of all loads that come to the facility are screened by an operation specialist who visually inspects the loads. A waste screening report is completed on approximately 1/3 of these loads and is filed at the facility. If a banned item, that item has to be removed and taken away by the person or persons that brought it in.

Undesirable or prohibited waste can be reported to NC Department of Environment and Natural Resources. Contact information is as follows:

NC Department of Environment and Natural Resources
Division of Waste Management
217 W. Jones St
Raleigh, NC

Mailing Address:
1601 Mail Service Center
Raleigh, NC 27699-1646

Phone: (919) 707-8200

Fax: (919) 715-0708

Contacts for the facility within the Solid Waste Section Compliance Branch are:

Field Operations Branch Head:	Mark Poindexter
Eastern Regional Supervisor:	Dennis Shackelford
Waste Management Specialist	Mary Whaley

D. Operations Description

All vehicles enter the facility through the entrance gate on Mt. Moriah. The vehicles are weighed at the scale house and again as they leave the facility for record keeping purposes and to prevent overloaded vehicles from leaving the facility. The scale house operator records the weight received and the type of waste. Origin of waste is recorded if they have an account with the facility. Weigh records are maintained and receipts are printed at the facility. The scale house operator or the pad operator then directs the vehicles to the proper location for the type of waste in the load. Specific waste locations are shown on site photo in section K.

Our Transfer Station accepts yard trash (less than 4' in length). When entering the facility yard trash is weighed in and directed to the designated unloading cement pad located beside the white goods area. The yard trash is then loaded into a 20 yard container. Once the container is full, it is transported to the designated area located on county property at the back of the closed landfill. There will be no charge to residential county residents. Commercial contractors will be required to pay the current tipping fee rate. "Acceptable yard trash" is defined as landscaping and yard maintenance such as brush, grass, tree limbs and similar vegetative materials. Land clearing debris including stumps, untreated wood and other naturally occurring vegetation generated solely from land clearing activities are not permitted at our facility.

Scrap tires are collected in a trailer located beside the scale house. Anyone bringing tires to the facility must fill out a North Carolina Scrap Tire Certification indicating their name and the number and size of the tires. At the end of the day the trailer is locked. When the trailer is full, a tire recycler is called to bring another trailer and to pick up and take away the full trailer.

White goods are collected on a concrete pad with concrete push walls on three sides. White goods with compressors are separated from other white goods. A contractor removes refrigerants in accordance with applicable laws and regulations. A scrap metal company picks up the white goods and other metal items as needed.

Recyclables are placed in closed containers with dividers. Each box is labeled as to what type of recyclable goes in it. When containers are full, they are emptied and the recyclable is sold.

Asphalt Shingle Recycling – See Attachment.

Used oil is received at the facility from county residents. The used oil is put in a 200-gallon drum. Two of these drums are onsite. When one drum is full, an oil recycler is called to pick up the oil for recycling.

Vehicles with waste for tipping floor are backed onto the concrete pad and unloaded. If any unacceptable items are found during this process, the person that brought them must remove them from the facility. Unloaded waste is contained within the limits of the

tipping floor by push walls. A front-end loader is used to pick up the waste from the tipping floor and put it in one of two 40-cubic yard compactors for compacting. When full, they are hauled to East Carolina Regional Landfill in Bertie County.

C&D waste is collected on the tipping floor and put in the compactor.

Old or broken furniture is placed in open top boxes located on the western side of the tipping floor. When they are full, the boxes are taken to the East Carolina Regional Landfill in Bertie County.

E. Water Disposal

Water that contacts waste must be collected and properly treated prior to discharge. The only area where water can come into contact with waste is the tipping floor. Contact with rain water is reduced due to the covering. However, if any waste blows under the roof and onto the tipping floor, it is collected with a 55-gallon vacuum and stored in a 250-gallon capacity tank. When the tank is pumped out, the water is taken to the Ahoskie waste water treatment plant which is about 12 miles away for proper treatment.

F. Fire Control

Waste is screened for prohibited or banned waste to keep potential fire hazards out of the facility. Waste is stored in metal containers or on concrete pads which also reduce the fire hazard. If a fire occurs, the primary fire control method is to notify the Winton Fire Department located approximately three miles away in the Town of Winton. Fire extinguishers are available onsite and may be used on small fires until the Fire Department arrives. The extinguishers are checked monthly and personnel are trained in their use.

G. Hazard and Nuisance Control

Some of the major components of hazard and nuisance in any waste transfer operation are prohibited or off-spec waste materials, litter, odor, and disease vectors.

The facility screens waste for prohibited or banned waste when vehicles enter the transfer station and as it is dumped on the tipping floor. Banned waste is not allowed and must be removed from the site by the person bringing it in.

The Hertford County Transfer Station is surrounded by woods and the tipping floor has a back push wall and a compactor on both sides. This reduces the spread of litter. Any trash that blows from the pad or any where at the facility is picked each day and disposed.

Odor and disease vectors are reduced by properly storing and removing waste from the site. There are two front-end loaders and if one breaks down, the facility can operate with the other one. In the case of a power failure, waste can be hauled directly to the East Carolina Regional Landfill.

H. Equipment

The equipment is operated by Hertford County Staff. The county staff conducts preventive and other maintenance of county owned equipment as necessary to keep the equipment in good operational condition. The following equipment is used in the operation of the facility. All malfunctions of leased equipment is reported to the leasing company.

- 2 Front-End Loaders
- Open-Top Transfer Boxes 20,30,40 cu/yd
- Closed-Top Recyclable Boxes 8 cu/yd
- 2 Non-leakable Pesticide Containers 40 cu/yd

The front-end loaders are used to collect the waste from the tipping floor and dump it into the compactors. They are also used to keep the driveways and areas leading up the concrete pads smooth. When a compactor is filled, it is taken to East Carolina Regional Landfill in Bertie County.

I. Personnel

County employees operate the transfer station. Three employees have Weigh Master Licenses and are trained to man the scale house and weigh vehicles in and out of the facility. One is designated as regular scale house operator and the other two are used as needed for backup.

There are three certified Transfer Station Operation Specialists that screen and load waste. One is designated as the regular operation specialist and the others are used as needed for back up.

J. Recordkeeping

Hard copies of daily transactions at the Transfer Station are kept in files at Scale House. Electronic data is on a computer at Scale House and also down loaded to a zip drive and then loaded on a computer in the main office at 704 North King St. in Winton daily as a backup. Screening reports are kept at the scale house.

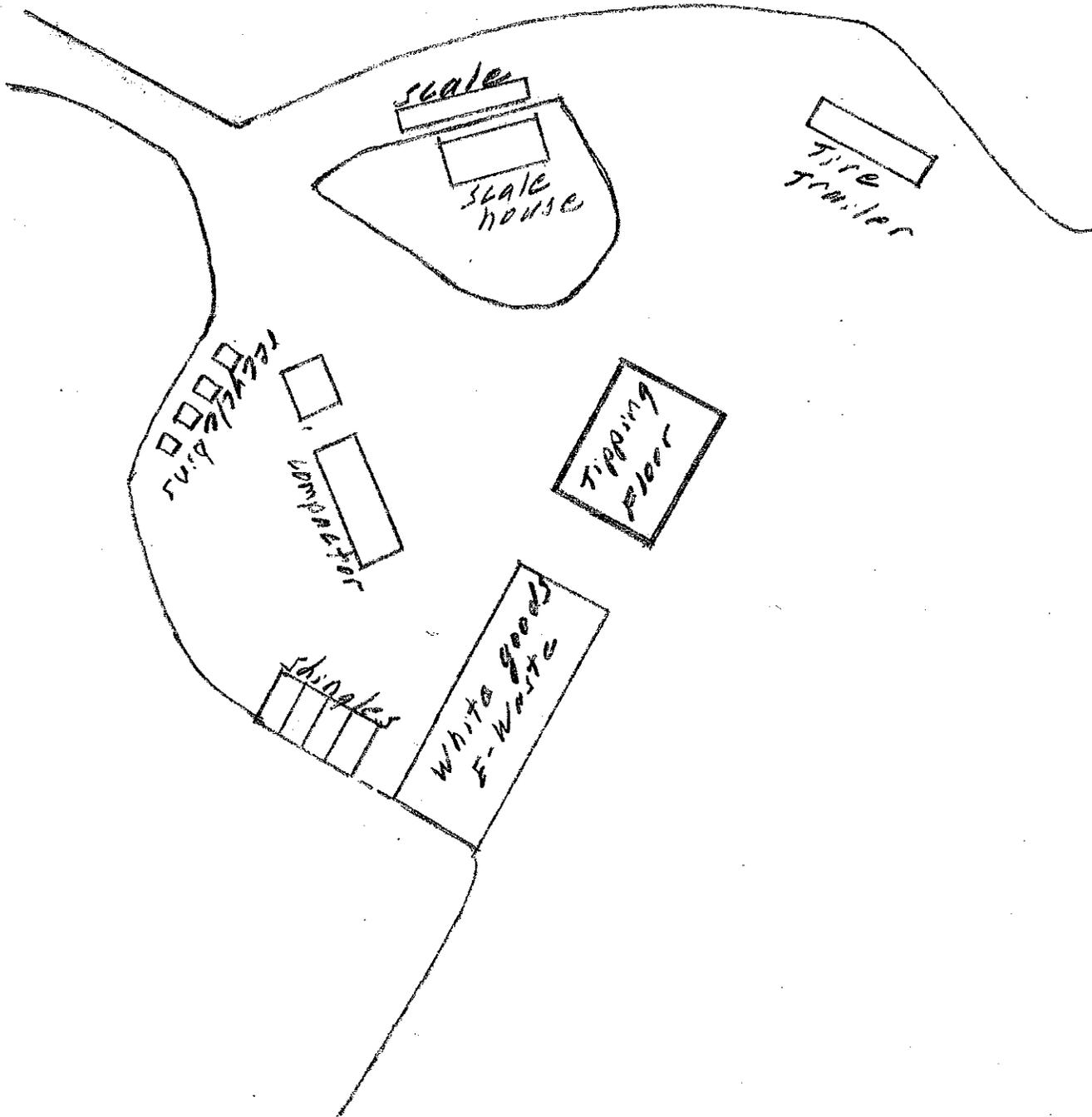
K. Site Photo

See next page.

HERTFORD COUNTY TRANSFER STATION

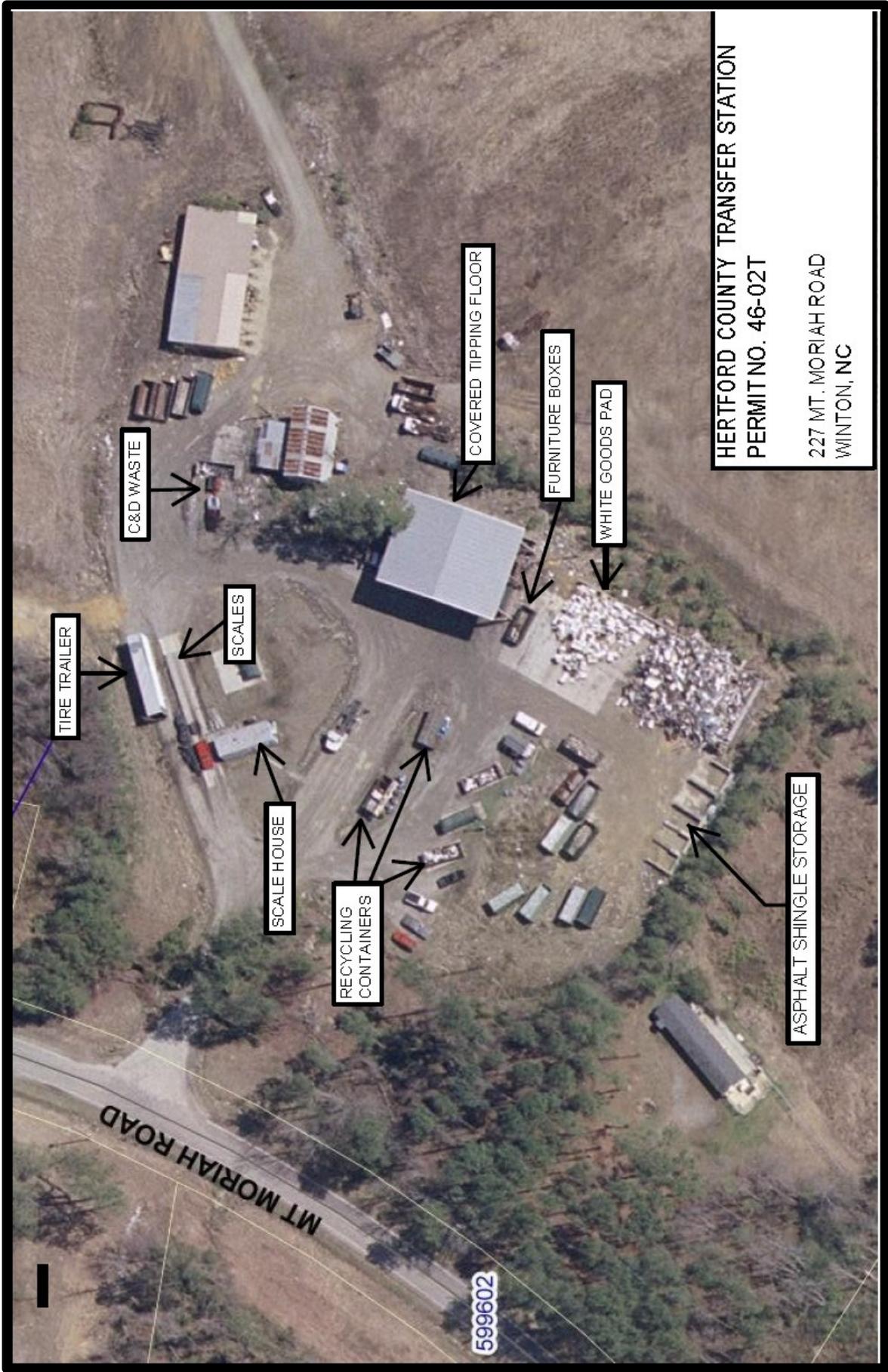
PERMIT NO. 46-02T

227 MT. MORIAH RD. AHOSSIE, NC



Revised - 2013

New map will be available 2016



HERTFORD COUNTY TRANSFER STATION
PERMIT NO. 46-02T
227 MT. MORIAH ROAD
WINTON, NC

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

Date 6/25/2012 By Patricia M. Beckus
DIN 16807

Permit 46-02T Approval Letter DIN 16803

Hertford County Transfer Station

Permit No. 4602T – Transfer - 1995

227 Mt. Moriah Road
Winton, NC 27986

Operation Plan for Sorting Tear-off Asphalt Shingles for Recycling

Hertford County
PO Box 556
Winton, NC 27986

Prepared by:
Norma F. Harrell
PO Box 556
Winton, NC 27986

June 20, 2012

I. Introduction

This operation plan describes how tear-off asphalt shingles will be collected, sorted, stored, and managed at this facility in order to provide a material that can be used into asphalt production. Our facility uses best practices for acceptance and sorting to remove the tear-off shingles from the waste stream and divert the “clean” shingles to other facilities.

II. Waste Acceptance

Asphalt roofing shingles contain asphalt cement, mineral aggregate, and mineral filler which are raw materials used in asphalt production. Asbestos was used in shingle manufacture until the mid-1970's and in other roofing materials such as roof felt, roof putty, surface coating, and mastic until the mid 1980s.

Our facility provides roofers with a list of acceptable and unacceptable items for tear-off shingle recycling and requires source separation at the job site by the roofer. Materials from flat and built-up roofing system are disposed rather accepted for recycling due the higher use of asbestos roofing materials in those systems. Roofers are instructed to separate tear-off shingles into either a dedicated trailer or to layer their waste when loading so that the shingles can be easily separated from the unacceptable debris. Our list of acceptable and unacceptable material is shown in Attachment 1.

The shingle suppliers are also required to complete a supplier certification form. The handling and disposal of asbestos during demolition and renovation is regulated under the National Emissions Standards for Hazardous Air Pollution (NESHAP). NESHAP-regulated facilities are required to submit a notification of demolition and renovation prior to starting work. The notification includes an inspection by a North Carolina accredited asbestos inspector or roofing supervisor and analysis for asbestos. The supplier of shingles from a NESHAP-regulated facility must present documentation that the shingles do not contain greater than 1% asbestos. The documentation is a letter from the accredited asbestos inspector or roofing supervisor that sampled the shingles and the analytical test results. A copy is of the documentation is kept with the supplier certification form. Shingles from a NESHAP-regulated facility that do not have the required documentation or that are documented to contain greater than 1% asbestos are disposed.

Shingles from single family homes or residential buildings containing four or fewer dwelling units are generally not regulated under NESHAP. Only the source of shingles it required for these shingles.

Our supplier certification form is shown in Attachment 2. These practices help ensure that only recyclable tear-off shingles are sent for asphalt production while reducing sorting at our facility.

III. Flow and Management of Tear-off Shingles

Loads are visually inspected when entering the facility to determine whether the shingles have been separated or if it is a mixed load. The roofer is asked to complete a supplier certification form. Mixed loads, shingles from a NESHAP-regulated facility that contain greater than 1 percent asbestos, and shingles from a NESHAP-regulated facility without the proper documentation are directed to the

C&D Container for disposal. Loads that were source-separated into dedicated containers are sent directly to the sorting area and unloaded. Loads that were separated into layers usually have the asphalt shingle on the bottom and other material on the top. These loads are first directed to the C&D Container to remove the non-shingle roofing waste and then to the sorting area for unloading the shingles. Figure **A1** shows the location of the sorting area on the site plan and Figure **A1** shows the unloading, sorting, and storage areas. Shingles are not unloaded into an area with standing water and sorted and unsorted materials are kept separate.

Source-separation by the roofer eliminates most of the unacceptable materials that cannot be used in tear-off shingle recycling. The unloaded tear-off shingles are examined for unacceptable materials and any unacceptable materials are removed. The remaining sorted shingles are accumulated in the designated area until there is a sufficient amount to transport to a facility that will grind and use or sell the ground shingles for asphalt production. a copy of the supplier certification form accompanies each sorted load to the receiving facility. At least 75% of the tear-off shingles that are sorted leave the facility during the same year.

IV. Recording Keeping

Records are kept of shingle waste entering the facility, sorted shingles leaving the facility for recycling, and waste that is disposed or sent for disposal. These records are kept for use in the facility's monthly and annual reports. Supplier certification forms and any supporting documents are also kept.

HERTFORD COUNTY
LIST OF ACCEPTABLE & UNACCEPTABLE
MATERIALS

TEAR-OFF ASPHALT SHINGLE RECYCLING

ACCEPTABLE

- Shingles
- Felt attached to shingles
- Nails (minimal)

UNACCEPTABLE

- Wood
- Metal flashings, gutters, etc.
- Rolls of sheets of felt paper
- Plastic wrap, buckets
- Paper waste
- Garbage, trash or other waste materials
- Built-up asphalt roofing
- Asbestos-containing materials
- Shingles containing mastics

Hertford County

SHINGLE SUPPLIER CERTIFICATION FORM

Supplier of Whole Tear-off Asphalt Shingles

Supplier Name: _____
Address: _____
Contact Name: _____
Phone: _____

We the undersigned certify that (check appropriate boxes):

- The tear-off shingles are from a NESHAP regulated facility and documentation stating that the shingles do not contain >1% asbestos is attached. (Documentation is a letter from the North Carolina accredited asbestos inspector or roofing supervisor that collected the samples with the analytical results attached.)

- The tear-off shingles are from a single family home or residential building having four or fewer dwelling units that is not regulated under NESHAP.

Tear-off shingles were removed from the following addresses:

(Please attach additional sheets as needed to record each building address.)

Shingle Supplier (signature)

Date

FIGURE A1

