NCDENR
North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

January 30, 2009.

Allen M. Hardison, Executive Director
Coastal Regional Solid Waste Management Authority
P.O. Box 128
Cove City, NC 28523

Re: Carteret County/CRSWMA Transfer Facility
Carteret County, North Carolina
Permit # 16-04T: PTO Five Year Amendment
Doc ID No: 6714

Dear Mr. Hardison:

Enclosed is a renewed Permit to Operate a solid waste Transfer Facility and the accompanying conditions for the above referenced facility.

Please note Operational Conditions, Part I of Attachment 3, which identifies the operational requirements for this facility. Please review the conditions of the permit carefully and if you have any questions or comments please contact Ray Williams, Waste Management Regional Specialist for your area. You can reach Ray Williams in our Wilmington Regional Office at phone number (910) 796-7342. If you have any questions about your permit, please feel free to contact me at (919) 508-8520 or email me at agyeman.adupoku@ncmail.net.

Sincerely,

Agyemang Adu-Poku
Environmental Engineer II
Solid Waste Section

cc: Stephen Cowie/Joyce Engineering, Inc.
Edward F. Mussler III, P.E./DWM/Solid Waste Permitting Branch Supervisor
Mark Poindexter/DWM/Field Operations Branch Supervisor
Jeff Skabo/DWM/Solid Waste Section
Ray Williams/DWM/Solid Waste Section
DWM Central File – Carteret County (16-04T)

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-508-8400 \ FAX: 919-715-4061 \ Internet: www.wasteno.hc.org

An Equal Opportunity / Affirmative Action Employer - 50 % Recycled \ 10 % Post Consumer Paper

One NorthCarolina Naturally

NCDENR

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

Dexter R. Matthews, Director | Division of Waste Management | Beverly Eaves Perdue, Governor
Dee Freeman., Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

# MUNICIPAL SOLID WASTE TRANSFER FACILITY
# Permit No. 16-04T

**COASTAL REGIONAL SOLID WASTE MANAGEMENT AUTHORITY (OWNER)**

is hereby issued a

## PERMIT TO OPERATE

CARTERET COUNTY/CRSWMA TRANSFER STATION
A MUNICIPAL SOLID WASTE TRANSFER FACILITY
WITH A C&D LOADING AREA, SCRAP TIRE AND YARD WASTE COLLECTION AREA

Located at 800 Hibbs Road in Newport, Carteret County, North Carolina, in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description of the site or the property map contained within the approved application.

Edward F. Mussler III, P.E.
cn=Edward F. Mussler III, P.E., c=US, o=Division of Waste Management, ou=Solid Waste Section, email=ed.mussler@ncmail.net
I have reviewed this document and am approving this document
2009.01.30 16:37:57 -05'00'

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Solid Waste Section

# ATTACHMENT 1

## PART I: PERMITTING HISTORY

| Permit Type | Date Issued |
|---|---|
| Original Issue Permit to Operate | October7, 1993 |
| Permit to Construct Modification #1 | January 12, 2001 |
| Permit to Operate Modification #2 | October 25, 2001 |
| Permit to Operate Amendment | January 30, 2009 |

## PART II: LIST OF DOCUMENTS FOR THE APPROVED PLAN

1. Original Permit Application February 24, 1992, received February 25, 1992

2. Original Facility Plan and engineering drawings that were part of the Permit Application plan.

3. Letter from DEM-DWQ addressing the pump and haul of the transfer station generated leachate to Town of Newport. September 27, 1993

4. Revised operations plan January 12, 2001, submitted for the amendment review and re-issuance of the permit to construct.

5. Revised Operation Plan October 25, 2001, submitted for the five year review and re-issuance of the permit to operate.

6. *Revised Operation Plan. Carteret County Transfer Station, October 2006.* Prepared by: Joyce Engineering, Inc. Prepared for: Coastal Regional Solid Waste Management Authority, North Carolina. May 21, 2009. Doc ID# 4573

7. Technical review letter of Operation Plan (January 5, 2009) sent from DWM-Solid Waste January 5, 2009. Doc ID# 6517

8. *Revised Operation Plan. Carteret County Transfer Station. January 2009.* Prepared by: Allen M. Hardison, Coastal Regional Solid Waste Management Authority. Prepared for: Coastal Regional Solid Waste Management Authority, North Carolina. January 7, 2009. Doc ID# 6555

PART III: GENERAL PERMIT CONDITIONS

1. This permit shall expire on January 30, 2014. Pursuant to 15A NCAC 13B .0201(g), no later than September 230, 2013, the owner or operator must submit a request to the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section ("Section") for permit review and must update pertinent facility plans including, but not limited to, the facility operation and waste screening plans.

2. The persons to whom this permit is issued ("permittee") are the owners and operators of the solid waste management facility.

3. (Intentionally blank)

4. By receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.

5. Operation of this solid waste management facility must 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 this 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.

6. This permit is issued based on the documents submitted in support of the application for permitting the facility including those identified in Attachment 1, Part II, "List of Documents for Approved Plan," and which constitute the approved plan for the facility. Where discrepancies exist, the most recent submittals and the Conditions of Permit shall govern.

7. This permit may be transferred only with the approval of the Section, through the issuance of a new or substantially amended permit in accordance with applicable statutes and rules. In accordance with NCGS 130A-295.2(g) the permittee shall notify the Section thirty (30) days prior to any significant change in the identity or business structure of either the owner or the operator, including but not limited to a proposed transfer of ownership of the facility or a change in the parent company of the owner or operator of the facility.

8. The permittee is responsible for obtaining all permits and approvals necessary for the development of this project including approval from appropriate agencies for a General or Individual NPDES Stormwater Discharge Permit. Issuance of this permit does not remove the permittee's responsibilities for compliance with any other local, state or federal rule, regulation or statute.

*- End of Section -*

## ATTACHMENT 2

## CONDITIONS OF PERMIT TO CONSTRUCT

This Section is not applicable to this Permit issued January 30, 2009.

## ATTACHMENT 3

## CONDITIONS OF PERMIT TO OPERATE

PART I: OPERATING CONDITIONS

1. The facility is permitted to receive solid waste as defined in NCGS 130A -290 (a)(35), except that hazardous and liquid wastes are prohibited from acceptance at this facility.

2. The following, at a minimum, must not be accepted for disposal at the facility: hazardous waste, liquid wastes, regulated medical waste, sharps not properly packaged, regulated-asbestos containing material as defined in 40 CFR 61, PCB waste as defined in 40 CFR 761, and wastes banned from disposal in North Carolina by G.S. 130A-309.10(f).

3. This facility is permitted to receive municipal solid waste, construction and demolition (C&D) waste and yard waste generated within Carteret, Craven and Pamlico counties. Waste must be transported for disposal to the Tuscarora Landfill in Craven County North Carolina. Trailers for collection and transportation of scrap tires are located at the site. When full, trailers must be hauled to a tire disposal facility.

4. This permit is for operation of the transfer facility in accordance with the approved revised operations plan and the original site facility plan. Any revisions or modifications to these plans shall be approved by the Section and may be subject to a permit fee.

5. The permittee must not knowingly dispose of, or accept for transfer for subsequent disposal, municipal solid waste that is generated within the boundaries of a unit of local government that by ordinance:

a. Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.

b. Requires generators or collectors of municipal solid waste to recycle that type or form of municipal solid waste.

6. A responsible individual trained and certified in facility operations must be on-site at all times during all operating hours of the facility, in accordance with G.S. 130A-309.25.

7. The permittee must develop, and use, a training and screening program at the facility for detecting and preventing unauthorized wastes from being accepted at the facility. At a minimum, the program must include:

   a. Random inspections of incoming loads or other comparable procedures.

   b. Records of all inspections.

   c. Training of personnel to recognize hazardous, liquid and other excluded waste types.

   d. Development of a contingency plan to properly manage any identified hazardous, liquid, or other excluded or unauthorized wastes. The plan must address identification, removal, storage and final disposition of these wastes.

8. The facility must not cause nuisance conditions.

   a. The tipping floor and transfer trailer loading area must be maintained in a clean, sanitary condition at all times and must be cleaned at least daily in accordance with the approved Operational Plan.

   b. Waste must only be deposited on a "tipping floor" or directly into a transfer container. Waste must not be stored on the "tipping floor" after operating hours.

   c. Waste may be stored on-site, in leak proof transfer trailers, with watertight covers, a maximum of 24 hours except that a minimal amount of waste may be stored for a maximum of 72 hours when the facility is closed during a weekend or holiday. Storage of the waste must not cause any nuisance, such as odor or attraction of vectors.

   d. Effective vector control measures must be applied at all times to control any potential vectors including flies, rodents, insects, and other vermin.

e. Control measures must be utilized to minimize and eliminate visible dust emissions and blowing litter.
   i) Fugitive dust emissions are prohibited.
   ii) Windblown materials must be collected by the end of the day and no windblown material may be allowed to leave the facility boundary.

9. All water that comes in contact with solid waste, including vehicle wash-down water, is leachate and must be captured and properly treated before release to the environment.

   a. The leachate control system, such as floor drains, leachate collection devices, sanitary sewer connections and leachate storage tanks must be operational during facility operations.

   b. The tipping floor must drain away from the building entrance and into the leachate collection system.

10. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act N.C.G.S. 113A-50, et seq., and rules promulgated under 15A NCAC 4.

11. Copies of this permit, the approved plans and all records required to be maintained by the permittee must be maintained at the facility, unless otherwise approved by the Section, and made available to the Section upon request during normal business hours.

12. The permittee must maintain a record of the amount of solid waste received at the facility, including daily records of waste received and origins of the loads. Scales must be used to weigh the amount of waste received. The daily records are to be summarized into a monthly report for use in the required annual reports.

13. On or before August 1 annually, the Permittee must submit an annual facility report to the Solid Waste Section, on forms prescribed by the Section.

   a. The reporting period shall be for the previous year beginning July 1 and ending June 30.

b. The annual facility report must list the amount of waste received in tons and be compiled:

i) On a monthly basis.
ii) By county, city or transfer station of origin.
iii) By specific waste type.
iv) By receiving disposal facility.
v) By diversion to alternative management facilities.

c. The completed report must be forwarded to the Regional Environmental Specialist for the facility by the date due on the prescribed annual facility report form.

d. A copy of the completed report must be forwarded to each county manager for each county from which waste was received at the facility. Documentation that a copy of the report has been forwarded to the county managers must be sent to the Regional Environmental Specialist by the date due on the prescribed annual facility report form.

PART II: MISCELLANEOUS SOLID WASTE MANAGEMENT CONDITIONS, (SPECIFY)

14. The following designated areas are located within this facility and shall accept only those wastes which they are approved to receive:

Yard Waste Area
Scrap Tire Collection Area

15. Operation of these areas shall be conducted in accordance with the approved operations plan, pertinent solid waste management rules and statues, and the following specific conditions.

16. Wastes received and product stored shall be maintained in reasonably sized piles with adequate fire breaks and lanes in accordance with the approved operational plans and the pertinent rules.

17. Surface water shall be diverted from all operational and storage areas to prevent standing water in operational areas and under or around storage piles. Water that comes in contact with solid waste shall be contained on-site or properly treated prior to discharge.

18. These areas shall be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard.

19. These areas shall be operated and maintained in a manner so as to minimize odors, prevent the creation of a nuisance, potential health hazard, or a potential fire hazard.

20. Effective vector control measures shall be applied as necessary to control flies, rodents, insects, or vermin.

21. The facility must manage all operations according to all applicable statutes and rules of the State of North Carolina.

Operational Conditions – Scrap Tires

22. The facility is permitted to receive scrap tires as defined in North Carolina General Statute Article 9, Chapter 130A-309.53(6).

23. Scrap tire collection areas shall be operated in accordance with the requirements of 15A NCAC 13B.1107.

24. The facility must manage scrap tires according to the Revised Operation Plan (Doc ID# 6555) included in Attachment I, Part II, "List of Documents for the Approved Plan". This document is included in the approved plan. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

Operational Conditions – Yard Waste

25. The facility is permitted to receive yard waste as defined in North Carolina General Statutes Article 9, Chapter 130A-290 (45).

26. Yard waste collection areas shall be operated in accordance with the requirements of 15A NCAC 13B, Rule .1402(f)(6).

27. The facility must manage yard waste according to the Revised Operation Plan (Doc ID# 6555) included in Attachment I, Part II "List of Documents for the Approved Plan". This document is included in the approved plan. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation. *-End of Permit Condition-*

# Coastal Regional Solid Waste Management Authority

---

## Operating Plan

## Carteret County Transfer Station

## Permit # 16-04T

---

**Revised October 2006**

**Revised January 2009**

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION
DATE 1/30/09 BY AAP

THE COASTAL ENVIRONMENTAL PARTNERSHIP
COASTAL REGIONAL SOLID WASTE MANAGEMENT AUTHORITY

# Introduction

## 1.1 Purpose and Scope

This operating plan for the Carteret County Transfer Station presents general guidance for transfer station operations. This plan updates the original operating plan dated February 1992 and also the revised operating plan dated October 2001.

The Transfer Station Operating Plan consists of general information and operating procedures about:

- Source, quantity and type of waste received
- Destination of the waste
- Handling of non-conforming waste
- Equipment
- General operations
- Fire control
- Vector control

## 1.2 General Information

The Carteret County Transfer Station is located at 800 Hibbs Road, Newport, NC. The site is located about 1.2 miles off Hibbs Road in a section of the Croatan National Forest and is adjacent to the former Carteret County Landfill. From Hibbs Road, the site is accessed via a paved access road and the site is secured by fences and gates at the entrance from Hibbs Road and at the actual entrance to the permitted site.

The Authority is the owner and permit holder of the transfer station. The Authority operates the transfer station and contracts with a private company to haul the waste to the Tuscarora Landfill. The contact for the transfer station is:

Allen M. Hardison, Executive Director
Coastal Regional Solid Waste Management Authority
P.O. Box 128
Cove City, NC 28523
Telephone (252) 633-1564

## 1.3 Sources, Types and Quantities of Waste

The primary source of waste is from residents and businesses. Waste is primarily delivered to the transfer station by light trucks, commercial waste collection vehicles and contractor dump trucks. Very little residential waste is delivered to the transfer station by private citizens since Carteret County operates a convenience site near the entrance to the transfer station and accepts residential waste at no charge.

The waste stream consists of a mix of Municipal Solid Waste (MSW), Construction and Demolition (C&D) waste and yard waste. The majority of the waste is MSW derived from residential and commercial sources within Carteret County.

The Carteret County Transfer Station handles practically all waste from Carteret County, including residential, commercial and industrial waste. In some isolated instances, waste may be directed for disposal directly at the Tuscarora Landfill in Craven County. Such instances usually occur when a hauler has large objects that will damage the trailers during loading if accepted at the transfer station. The transfer station may accept waste generated from anywhere in Carteret, Craven and Pamlico counties, the Authority's designated service area.

Trailers for the collection and transportation of scrap tires are located at the transfer station. When full, the trailers are hauled to a contracted tire disposal facility for disposal in a permitted tire facility.

The transfer station does not accept infectious waste, medical waste, animal waste or animal carcasses, septage, sewage, radioactive waste or other hazardous waste.

Waste Volumes are as follows:

| | |
|---|---|
| Average daily volume | 375 tons per day |
| Peak volume | 600 tons per day |

Due to the heavy volume of tourism in Carteret County, there is a significant increase in waste deliveries to the transfer station in summer months. This will be a continuing factor in design and sizing of facilities. Waste volume has declined in the past 2 years, as a result of lower housing construction and the general economic slowdown. The Authority has purchased 35 acres for a separate C&D transfer station in Carteret County, to be built at a future date.

# Transfer Station Operations

## 2.1 General

The transfer station operates from 7:30 a.m. until 4:30 p.m. Monday through Friday and from 7:30 a.m. until 12:00 noon on Saturdays. The station is closed on Sundays and on Thanksgiving, Christmas and New Year's Day. Operating hours are sometimes modified to accommodate unusually heavy increases in waste deliveries and other operational fluctuations. In addition, waste hauling operations of trailers from the transfer station to the landfill occur before and sometimes after waste delivery hours.

Daily operations are controlled by the scale operator and the equipment operators. Operations consist of receiving and transferring waste from commercial and publicly-owned vehicles to the landfill facility. In addition, scrap tires are received at the site for removal by a contractor and yard waste compost is sold in bulk to residential and commercial customers.

### 2.1.1 Equipment

Equipment consists of the following owned by the Authority:

(2) Wheeled front-end loaders
(15) Walking-floor, open-top trailers, 110 cubic yard capacity
(4) Ejection-Blade, open-top trailers for C&D material
(2) Spotter tractors
(1) Grapple Loader for yard waste loading
(3) Scrap tire collection trailers

In addition to the equipment stationed at the transfer station, other equipment is transported to the transfer station from the Tuscarora landfill as necessary.

### 2.1.2 Personnel

The facility operates with a minimum of seven personnel: one scale operator, five equipment operators and one laborer. Also, a Transfer Station Supervisor, overseeing both the Carteret Transfer Station and the Pamlico Transfer Station is based at this location. Trucking functions are conducted by a contracted hauler. Presently, the contract hauler uses five to eight tractors and drivers, depending on waste volume.

All employees are competent and well-trained in management of solid waste. Each employee receives adequate training in solid waste handling and safety procedures. Equipment operators complete the Transfer Station Operator's course offered by the NC Chapter of SWANA and are kept current on CEU hours. In addition, each employee is trained in solid waste screening and a screening is conducted in accordance with State of North Carolina Solid Waste rules as required.

First aid and safety supplies are provided for each in the break room. Employees are required to report all injuries or illnesses and any unsafe work condition to the Transfer Station Supervisor or Operations Manager.

### 2.1.3 Scavenging

No scavenging or salvaging of material is allowed on the site. Operational personnel may remove undesirable materials such as scrap tires and batteries from the tipping floor as needed.

### 2.1.4 Visitors

Any visitor to the facility is required to be escorted by a member of the operating staff and may be required to wear protective equipment. All visitors must check in at the scale house and identify the purpose of their visit.

### 2.1.5 Signage

A large sign is positioned at the entrance gate to the site with the following information:

Name of the Facility
Permit Number
Hours of Operation
Prohibited Materials
Hours of Operation
Contact Phone Number

In addition, a sign stating the disposal rates for different types of waste is located at the scales. Within the transfer station itself are traffic control signs and a sign directing haulers to wait for instruction before dumping.

### 2.1.6 Site Security and Access Control

The site is leased from the US Forest Service and is part of the Croatan National Forest. A steel, chain-link gate is located at the entrance from Hibbs Road, controlled by two padlocks, either of which can be opened for access to the site. One padlock is owned and controlled by CRSWMA, using controlled keying that cannot be duplicated without authorization. The other padlock is owned and controlled by the US Forest Service. There are no other entrances to the facility.

The site is also protected by a series of web cameras, with recording devices. The web cameras can be remotely controlled by CRSWMA administrative staff.

## 2.2 Waste Transfer

Vehicles arriving at the site for waster transferring will first proceed across the scales. Vehicles are required to identify their waste as either yard waste, scrap tires, MSW or C&D. After determining that the waste is acceptable, weights are recorded for fee purposes and the scale operator directs the vehicle to one of four areas for unloading.

### 2.2.1 Scrap Tire Transfer

Scrap tires are unloaded by the hauler onto a concrete pad. The tires are then loaded by CRSWMA personnel using the grapple loader into open-top van trailers provided by Central Carolina Tire. When a trailer is full, the contract hauler brings an empty trailer and hauls the full trailer back to the permitted tire facility.

### 2.2.2 Yard Waste Transfer

Yard waste is unloaded at the designated area as shown on the site plan. Operational personnel push the yard waste into a compact area several times per day. Yard waste is loaded into ejection blade trailers and transported to the Tuscarora landfill

site, where it is processed into compost. Yard waste hauling generally take place on Wednesdays and Thursdays, when MSW and C&D waste volume is less.

The yard waste collection area is unpaved, but adequate site preparation has been done to allow proper access and drainage.

### 2.2.3 MSW Transfer

The MSW transfer area is a covered, 7,200 square foot tipping floor accommodating two bays for transfer. Waste unloading is performed under the direction of the equipment operators on site. Equipment operators observe each vehicle unloading and note the presence of any unacceptable waste. If unacceptable waste is detected, the driver is ordered to place the waste back into his vehicle and remove it from the site. After collection vehicles exit the tipping area, equipment operators use front-end loaders to carefully push the waste into an open-top, walking-floor transfer trailer. Equipment operators will distribute the load of waste in a manner to maximize the net load of each trailer, not to exceed maximum legal limits.

When a trailer has been filled, it is pulled from the loading bay, covered with a tarp for transfer and an empty trailer is put in its place for filling. During peak times of the day, waste may be deposited on the tipping floor faster than it can be loaded into trailers. During these times, waste is stacked by the equipment operators for later loading. During this temporary storage time, care is taken to assure that the waste is placed within the confines of the tipping floor and not outside the designated tipping area. The tipping floor will be clear of all waste at the close of business for that day. Full trailers waiting for transport are parked along the south side of the transfer station building.

Each load of MSW is transported to the Authority's Tuscarora Landfill in Craven County. Each load is weighed as it exits the transfer station to ensure compliance with Department of Transportation weight limits.

### 2.2.4 C&D Transfer

C&D waste is deposited on the C&D Loading Facility area constructed in 2001. In times of heavy rainfall, C&D waste will be deposited in a segregated area of the MSW

tipping floor. This area consists of an 8,000 square foot, uncovered concrete surface with two loading bays. Prior to dumping, the equipment operator visually confirms that the waste is C&D. After the collection vehicle has exited the tipping area, the C&D waste is inspected for any large amounts of MSW that may have been mixed in the load. Any MSW is removed and deposited on the MSW tipping floor, immediately adjacent to this area. . If unacceptable waste is detected, the driver is ordered to place the waste back into his vehicle and remove it from the site. After collection vehicles exit the tipping area, equipment operators use front-end loaders to carefully push the waste into an open-top, ejection-blade transfer trailer. Equipment operators will distribute the load of waste in a manner to maximize the net load of each trailer, not to exceed maximum legal limits.

When a trailer has been filled, it is pulled from the loading bay, covered with a tarp for transfer and an empty trailer is put in its place for filling. During peak times of the day, waste may be deposited on the tipping floor faster than it can be loaded into trailers. During these times, waste is stacked by the equipment operators for later loading. During this temporary storage time, care is taken to assure that the waste is placed within the confines of the tipping floor and not outside the designated tipping area. The tipping floor will be clear of all waste at the close of business for that day. Full trailers waiting for transport are parked along the south side of the transfer station building.

Each load of C&D is transported to the Authority's Tuscarora landfill in Craven County. Each load is weighed as it exits the transfer station to ensure compliance with Department of Transportation weight limits.

## 2.3 Hazard and Nuisance Control

Hazards and nuisances at the transfer station consist of items such as dust, noise, odors, vectors, litter, fire and unacceptable waste. To reduce these hazards and nuisances, transfer station personnel are provided with and advised to use the following:

- Protective clothing
- Safety shoes
- Hardhats

- Protective Eyewear
- Gloves
- Hearing Protection devices
- Dust masks

### 2.3.1 Dust

Dust is caused by truck traffic on roadways. The authority has paved all roadways at the facility, minimizing dust problems.

### 2.3.2 Noise

Source of most objectionable noise at transfer stations is the exhaust noise from delivery trucks. The Authority maintains the exhaust system of all its equipment in a proper working manner. To minimize noise from waste delivery trucks, the Authority monitors trucks entering the facility and advises any trucks with improper equipment to repair the equipment before returning to the site.

### 2.3.3 Odor

Odor is difficult to control at a transfer station site. To minimize odor, all waste will be loaded into trailers as soon as possible. Operators sweep or scrub the floor with the loader bucket several times each day and the washdown water collection system is properly maintained. No waste will be allowed to remain on the tipping floor overnight; however, waste may be stored in transfer trailers overnight for unloading the following morning. The tipping floor will be washed down in whole or in part as necessary. Transfer trailers will be pressure-washed at least one time per month, with wash down water properly managed.

### 2.3.4 Vectors

Vectors include rodents, flies and mosquitoes. Control of vectors is accomplished by eliminating access to food and harborage. Complete removal of all waste and proper cleaning of the tipping floor is part of a proper vector control operation. Removal of

weeds, tall grass and standing water on the transfer site reduces the areas of habitation for rodents as well as flies and mosquitoes. Extermination is used in cases of severe infestation. Periodic re-grading of low areas is performed to eliminate standing water.

### 2.3.5 Litter

Litter comes from unsecured loads of waste, the tipping floor and indiscriminate dumping. Litter control is provided as follows:

- Haulers are required to have waste covered and secured on the vehicle. Unsecured loads are charged double the regular rate.
- Waste is loaded into transfer trailers as soon as possible to minimize blowing of litter.
- Full loads are immediately covered to prevent litter while waiting for transportation.
- Litter is picked up on a daily basis by operating personnel.
- As required and available, prison labor is obtained to maintain the entrance road.

### 2.3.6 Fire

The Authority has an aggressive program of fire prevention. The relatively remote location precludes the likelihood of a fire leaving the premises and endangering other property. All on-site buildings and equipment are equipped with fire extinguishers and all personnel are trained in the use of fire extinguishing devices. Equipment is regularly inspected by qualified personnel. While the hoses and water supply used for wash-down purposes are not adequate for fire suppression, they are available as a supplemental measure if necessary.

If a vehicle arrives at the transfer station with a load of burning waste, the waste load will be discharged onto a remote location on the tipping floor and soaked with water until all evidence of combustion are eliminated. Only after a proper cool-down period and further inspection will the waste be loaded into a transfer trailer. Local fire departments will be notified as needed.

### 2.3.7 Washdown Water

Washdown water is generated through drainage of waste on the MSW tipping floor and the periodic washing of the MSW tipping floor. Washdown water is collected through a floor drain system in the tipping floor and in the loading bays. From there it travels via gravity to a wet well, where it is pumped into an above ground storage tank. The tank level is monitored by operation personnel and pumped out and transported to the Authority's leachate pretreatment facility at the Tuscarora Landfill.

### 2.3.8 Unacceptable Waste

The Authority accepts only wastes for which the site is permitted. Loads arriving for deposit are first screened at the scales. Any unacceptable waste is rejected at this point and the vehicle is not allowed to proceed to the tipping area. In the event waste is inadvertently discharged at the transfer station, whether on the MSW floor or the C&D floor, an effort is made to order the delivery vehicle to remove the waste. In the event the delivery vehicle is unable or unwilling to remove the waste, the authority attempts to locate the generator of the unacceptable waste. If located, the generator is directed to remove the waste from the premises by the end of the day. If the waste is not removed by the end of the day, the Authority will arrange for removal and proper disposal and bill the cost to the generator or the hauler. In cases where the unacceptable waste constitutes an imminent threat, the Authority will notify proper State authorities and take appropriate action to immediately remove the material.

### 2.3.9 Contingency Plan for Adverse Weather or Catastrophic Event

In the event of adverse weather conditions or other event that causes the transfer station to close, haulers will be re-routed to the Tuscarora Landfill for disposal. Hours of operation at the landfill will be extended if necessary to accommodate increased traffic.

## 3. Random waste screening program

### 3.1. Authority

CRSWMA screens random loads of waste at the transfer station prior to transport to the Tuscarora Landfill. CRSWMA has developed this "Random Waste Screening Program" in accordance with North Carolina's Solid Waste Management Regulations, Rule .1626(1)(f). Key elements of Rule .1626(1)(f) addressing waste screening are as follows:

No hazardous or liquid wastes as defined in 15A NCAC 13A, or materials shall be accepted at the transfer station, except as specifically authorized by the facility permit or by the Division. The owner or operator shall implement an inspection program to detect and prevent disposal of hazardous and liquid wastes and polychlorinated biphenyls (PCB). This program shall include, at a minimum:

- Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous or liquid wastes or PCB wastes;
- Records of any inspections;
- Training of facility personnel to recognize regulated hazardous waste, liquid waste, and PCB wastes; and
- Development of a contingency plan to properly manage any identified hazardous and/or liquid wastes.

### 3.2. Random Selection

Random selection of vehicles to be inspected will be conducted on a regular basis. The selection may be at least one vehicle per week, but not less than one percent by weight of the waste stream based on the previous week's total. The personnel conducting the inspection will randomly select the load at the working face. A random truck and time will be selected (e.g., the tenth load after 10:00 a.m.) on the day of inspections.

### 3.3. Record Keeping

Report forms for record-keeping purposes are attached to the end of this plan. These forms are completed at each inspection. All reports and resulting correspondence are maintained at the Carteret Transfer Station office.

### 3.4. Training

Inspections will be carried out and supervised by transfer station staff trained to identify and manage hazardous and liquid waste. Transfer Station operators responsible for screening waste are trained by attending the Transfer Station Operator training course offered by the NC Chapter of the Solid Waste Association of North America.

### 3.5. Inspection Site

Inspections will be conducted in a designated area on the transfer station tipping floor.

### 3.6. Contingency Plan

The following action plan required by Rule .1626(1)(f)(iv) details the procedure for conducting random waste inspections.

1) Dump single load in a segregated area. Detain truck and driver until inspection is completed.

2) Spread waste with bucket loader and/or hand tools as appropriate. Hand rake loads that include large closed containers to avoid possible rupturing of the containers. Have appropriate safety equipment present. Minimum safety equipment will include:

- Rubber gloves;
- Rubber boots;
- Safety glasses; and
- Long handled hoe, shovel or rake.

3) Examine waste for excluded waste and/or safety hazards:

- Containers labeled hazardous;
- Excessive or unusual moisture;
- Regulated biomedical (red bag) waste;
- Powders, dusts, smoke, vapors, or chemical odors;
- Sludges, pastes, slurries, or bright colors (such as dyes); and
- Unauthorized out-of-area waste.

4) Take appropriate action(s) as follows:

- Incorporate acceptable waste into refuse trailers for transportation to landfill.
- Hold suspect waste for identification by on-site personnel and, if necessary, confirmation by others such as a contract laboratory, hazardous waste management firm, or state and/or federal regulator.
- Interview driver and hauler to identify the source of suspect waste in the load.
- Hold rejected hazardous or liquid waste for generator.
- Arrange for hazardous or liquid waste collection by licensed collector.

5) Document Actions:

- Record Inspection.
- Retain Reports.

Report hazardous, liquid, or PCB wastes to Solid Waste Section – DENR

## 4. Record keeping requirements

The following records will be maintained in the transfer station office:

- The operating permit and pertinent correspondence
- Operation Plan
- Trailer Inspection Records
- Waste Screening Records
- Operator Training Records

The following records will be maintained in the CRSWMA Administrative Office at the Tuscarora landfill:

- Amounts by weight of solid waste received at the facility, including the source of generation;

# WASTE SCREENING FORM

Date & Time of Inspection: _____

Inspected by: _____

Source of Waste: _____

Name of Hauler: _____

Type of Waste: _____

Net Weight of Load: _____

Other Information: _____

| **Excluded Waste** | **Yes** | **No** | **If yes, How was waste handled and/or disposed of?** |
|---|---|---|---|
| Hazardous Waste | | | |
| Liquid Waste | | | |
| PCB Waste | | | |
| Tires | | | |
| White Goods | | | |
| Yard Waste | | | |
| Used Motor Oil | | | |
| Anti-Freeze | | | |
| Batteries | | | |
| Aluminum Cans | | | |
| Other (specify): | | | |
| **Waste Requiring Special Attention:** | | | |
| Asbestos Waste | | | |
| Sludges | | | |
| Medical Waste | | | |
| Other (specify): | | | |
| | | | |