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North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

July 12, 2004

Ms. Nancy Newell
City of Durham
101 City Hall Plaza
Durham, NC 27701

RE: City of Durham
Permanent Household Hazardous Waste (HHW) Collection Facility
Permit No. 32-10-TP (NCPH0329601)

Dear Ms. Newell:

Enclosed is Modification to Permit No. 32-10-TP. The permit approves continued operation of the Permanent Household Hazardous Waste (HHW) Collection Facility located at the City of Durham's former Northside Wastewater Treatment Plant, Durham, NC.

This permit is for a five-year period from the date of issuance. This facility must be operated in accordance with the approved plan (Attachment I) and the conditions specified in the Permit to Operate dated July 12, 2004.

If you have any questions or comments concerning the permit or conditions, please contact me at (919) 733-0692, ext. 259.

Sincerely,

Sherri Coghill
Environmental Engineer
Solid Waste Section

Enclosure

cc: Mark Fry, DWM
Flint Worrell, DWM



North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

Permit No. 32-10-TP
(NCPH03296011)

Date of Original Issue: March 22, 1996

Modification Date (Permit Review): July 12, 2004

Page 1

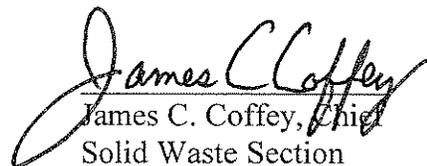
SOLID WASTE PERMIT

City of Durham

is hereby issued a permit to operate a

Permanent Household Hazardous Waste
Collection Facility

located at 1900 East Club Boulevard, Durham, 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.


James C. Coffey, Chief
Solid Waste Section

Permit No. 32-10-TP
(NCPH03296011)

Date of Original Issue: March 22, 1996

Modification Date (Permit Review): July 12, 2004

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ATTACHMENT I

List of Documents for the Approved Plan

1. Operational Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility revised February 2004, submitted by City of Durham, Environmental Resources Department.
2. Amendment to Contingency Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility updated March 3, 2004, submitted City of Durham, Environmental Resources Department.
3. Approved Environmental Assessment for the City of Durham's former Northside Wastewater Treatment Plant dated March 1, 1996.
4. Floor plans, elevations, and cross-sections submitted with the Operational Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility submitted by Triangle J Council of Governments on behalf of the City of Durham.

**ATTACHMENT II:
CONDITIONS OF PERMIT**

GENERAL

1. This permit will be subject to review every five years beginning July 12, 2009, in accordance with policy guidance or rules governing the collection of HHW in effect at the time of review. Modifications to the facility or operating procedures may be required in order to comply with rules in effect at the time of the review.
2. This permit is for the operation of a permanent household hazardous waste collection facility located within the boundaries of the City of Durham's former Northside Wastewater Treatment Plant at 1900 East Club Boulevard, Durham County, North Carolina.
3. This permanent household hazardous waste collection facility is permitted to receive household hazardous waste (HHW) from residents of the City of Durham and Durham County. Other eligible users include household residents of Chatham, Orange and Wake Counties. Unacceptable materials that shall not be collected at this facility include radioactive waste, explosives, and infectious waste.
4. The approved plan is described by Attachment I, "List of Documents for the Approved Plan".
5. This permit is not transferable.
6. A copy of this permit and the approved plans shall be maintained at the facility. Copies of this permit shall be forwarded to the local fire department, local hospitals, and other appropriate emergency agencies.

OPERATION

7. This permit is for the operation of a Permanent Household Hazardous Waste Collection Facility. Revisions of the approved plans shall be approved by the North Carolina Division of Solid Waste Management (DSWM), Solid Waste Section.
8. Prior to any modifications of the Household Hazardous Waste Collection Facility, the Solid Waste Section shall be notified, and approval shall be granted.

9. This facility shall conform to all operating procedures in the approved plan, 15A NCAC 13B .0400 and in the Guidance Document for HHW Facilities (proposed Rule .1807, Operational Requirements, proposed Rule .1808, Closure Requirements, and proposed Rule .1809 Transportation From Temporary and Permanent Collection Facilities To Treatment, Storage, Disposal, Or Recycling Facilities).

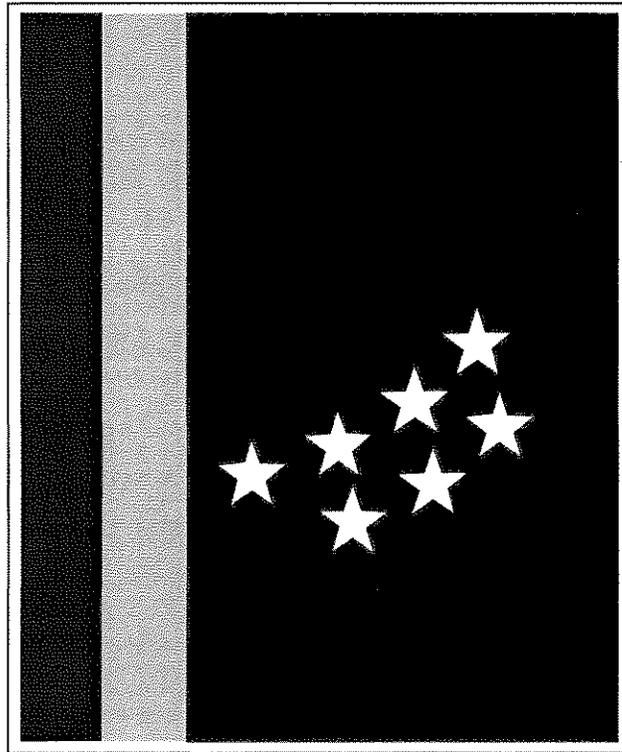
REPORTING REQUIREMENTS

10. The City of Durham shall maintain records for the amount of all HHW shipped off-site from the facility for disposal. Records must be compiled on a monthly basis and maintained at the facility for inspection upon request by Solid Waste Section personnel.
11. On or before August 1 of every year, the permittee shall report to the Solid Waste Section, the amount of HHW waste (in pounds or gallons) received at this facility and shipped off-site for disposal. The reporting period shall be for the previous year, beginning July 1 and ending June 30.

CITY OF DURHAM, NORTH CAROLINA

HOUSEHOLD HAZARDOUS WASTE

OPERATION MANUAL



**FACILITY ID# 32-10-TP
OPERATED BY: ENVIRONMENTAL RESOURCES DEPARTMENT
FOR HOUSEHOLD HAZARDOUS WASTE GENERATED BY RESIDENTS OF
DURHAM AND DURHAM COUNTY
OTHER ELIGIBLE USERS INCLUDE HOUSEHOLD RESIDENTS FROM WAKE,
CHATHAM AND ORANGE COUNTIES**

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION
DATE 7/12/04 BY SLC

GENERAL INFORMATION ON FACILITY OPERATION

A. Facility Name:

Household Hazardous Waste Collection Facility – City of Durham

This facility is owned by the City of Durham and managed by the Environmental Resources Department. The facility has been in operation since 1995. From 1990 until 1995, the City had special one-day events for HHW collection.

B. Facility Objective:

This facility is provided to ensure safe disposal of products that are corrosive, reactive, toxic or ignitable and are generated in a household. Safe disposal protects the employees of waste disposal systems, prevents contaminated groundwater from sanitary landfills, prevents damage in sewer systems and in treatment plants, and pollution of storm water. Wastes excluded from this program include: any waste from businesses, asbestos, explosives, infectious waste, radioactive materials and polychlorinated biphenyls (PCB) wastes as defined in 40 CFR 761.

C. Eligible Users:

This facility is open to all residents of the City of Durham and Durham County. In addition, an interlocal agreement permits residents from Durham, Chatham, Orange and Wake Counties to bring waste to any of the local government facilities operated in the four counties.

D. Facility Location:

South Side of North Durham Water Reclamation Facility
1900 East Club Boulevard, Durham, NC 27704

E. Facility Operation Hours:

This facility is open from 9:00 am to 3:00 pm on Wednesdays and Saturdays of March – October and on Saturdays of November – February. The facility is closed for the following holidays: New Year's Day, Martin Luther King Holiday, Good Friday, Memorial Day, Fourth of July, Labor Day, Thanksgiving and Christmas.

F. Facility Staffing:

A contractor or local government representative provides initial contact with the public, asks for survey information, directs traffic and acknowledges eligibility of acceptance of materials. In addition, a contractor representative performs weekly inspections of the facility and routine inspections of fire extinguishers and eyewash.

A hazardous waste disposal contractor operates the City of Durham HHW Collection Facility. The contractor is responsible for checking the waste and removing them from the vehicle. As the wastes are received, contractor personnel will perform initial waste identification and segregation. Some materials that can be managed by the local government representatives (such as motor oil, antifreeze, fire extinguishers, gas

cylinders and lead-acid batteries) may be segregated from the hazardous waste at this time and handled according to local government protocols.

G. Materials Accepted:

This facility is designed to handle HHW from the following general categories:

1. yard and garden products;
2. automotive products;
3. paints and solvents;
4. household cleaning products;
5. miscellaneous HHW
6. electronic waste, such as CRT's, CPU, etc.

Because of difficulties in handling a few specific types of wastes (including explosives, radioactive materials, biologically active or infectious waste, and asbestos) education materials actively discourages users from bringing these materials. However, in the event that a misinformed citizen brings such wastes to the facility, local government representative will consider taking the waste anyway to avoid improper disposal. The decision regarding these wastes will be based upon established policies as well as the specific details of each case and also any advice from contractor personnel. As necessary, the transportation and disposal contractor will help find specialized vendors to remove any such wastes for treatment or disposal. Whenever wastes are rejected, the user will be given names of people to contact for further information concerning options for proper disposal.

H. Waste Handling:

Onsite chemical analyses will be conducted in an attempt to identify any unknown wastes. If necessary, additional analyses will be conducted at an offsite laboratory. Such offsite analyses will occur as soon as possible. Contractor personnel will prepare the samples using appropriate chain of custody and will send them to a laboratory for analysis. Meanwhile, the unknown waste material will remain onsite, isolated in a container by itself. Once the analytical results are obtained, the material will be scheduled for pick up and appropriately managed.

Contractor personnel will conduct or directly supervise the packaging, document preparation, and transportation of the hazardous wastes collected at the facility. The contractor will also arrange the recycling, treatment, or disposal of these wastes. Many of the wastes will probably require lab packing. Lab packing of materials may occur on the same day as collection activities, provided that time is available and adequate quantities of compatible materials are received. Otherwise, materials will be safely stored until the next scheduled workday. Additionally, partially filled (packed) containers may remain onsite until adequate amounts are collected and properly packaged for transport.

If pumping, pouring, or bulking of wastes is required, grounding and explosion-proof equipment will be used as needed. For both lab pack and bulk packaging, all containers will be of the Department of Transportation (DOT) specification, type, and size most

appropriate for the specific waste type and planned treatment or disposal method. Wastes will be packed in either fiber, plastic, or steel containers of open or closed-head types, in sizes ranging from 5-gallon pails to 85-gallon overpacks.

For any necessary lab packing, wastes will first be segregated according to DOT hazard class, then by chemical compatibility and by the acceptance criteria of specific waste recycling, treatment, or disposal facilities. An absorbent material such as vermiculite or Silk-wik will be used to surround inner containers, prevent breakage, absorb any leaking materials, and prevent release from the outer (shipping) container. Each inner container will be recorded on container content forms, providing a complete record of the contents of any drum.

Whether lab pack or bulk, the filled drums are closed, labeled, and marked in accordance with DOT and Environmental Protection Agency (EPA) shipping requirements, and the proper information is recorded on the manifest. The generator's notification and certification are also prepared, as required under the land-ban regulations if applicable.

I. Accumulation Time:

The storage building at the City of Durham HHW Collection Facility is designed to accommodate temporary accumulation of several classes of hazardous materials. Contractor personnel are trained as appropriate concerning proper waste segregation and safe storage procedures.

In accordance with state requirements for temporary storage, the date upon which each period of accumulations begins is clearly marked and visible on each container. Furthermore, while being stored onsite, all containers with accumulating hazardous wastes are labeled or marked clearly with the words, "Hazardous Waste," unless the material is recyclable (e.g., used oil, latex paint, batteries) and is separated from other hazardous waste.

Time in storage may vary according to the volume of waste received. Removal of wastes by the contractor is scheduled as necessary to minimize expense to the local government while still complying the applicable regulations and safety considerations. Wastes are not stored longer than 180 days without written permission from the North Carolina DENR Division of Solid Waste Management.

J. Storage Building Specifications:

The building used for the City of Durham HHW Collection Facility was previously used to store flammable materials. The structure is located at least 50 feet from the facility property line and is separated from other operations areas in order to minimize damage in case of fire. The location of the facility in relation to other operational areas is shown on the site map. (Exhibit A)

As required for proper safety and environmental protection, the structure is:

- designed to contain leaks and spills
- covered to exclude rain water
- secured to control access

- constructed in accordance with all applicable National Fire Protection Association codes.

The HHW collection facility consists of a single storage building with a paved receiving area. In addition, a small storage building for local government staff is located as residents enter and is used to store educational and safety materials and to provide protection from the elements in bad weather.

K. Access Control and Security

Access to the facility and chemical handling areas are controlled to prevent unnecessary public exposure to potentially harmful substances. Areas where chemicals are handled or stored are clearly marked using one or more of the following: warning tape, barriers, and caution signs. The signs contain appropriate warnings such as “No Smoking” and “Authorized Personnel Only.” In addition, during special event collection times, local government representatives are stationed in strategic locations and serve as checkpoint personnel to direct the flow of traffic and people.

The HHW storage building is secured against unauthorized access by locked doors and by a fence surrounding the North Durham Water Reclamation Facility. Furthermore, its location at a city-owned facility provides an extra measure of safety due to the presence of personnel on the plant site for 24 hours per day.

L. Personnel and Duties

The HHW collection facility will be staffed by well-trained, qualified personnel under the leadership of the contractor’s Project Supervisor and Health and Safety Supervisor. In some cases, the Project Supervisor and the Health and Safety Supervisor may be the same person. The duties of personnel are described below.

Project Supervisor: The Project Supervisor directs onsite operational efforts. This individual, assisted by the Health and Safety Supervisor, has primary responsibility for:

- assuring that all onsite contractor personnel have met the training requirements appropriate for their duties;
- assuring that onsite contractor personnel and local government representatives are aware of the provisions of the Contingency Plan;
- assuring that onsite contractor personnel and local government representatives are aware of the potential hazards associated with site operations;
- assuring that appropriate personal protective equipment is available and properly used;
- monitoring the safety performance of onsite contractor personnel and local government representatives
- correcting any work practices or conditions that may result in injury or exposure to hazardous substances
- preparing any accident/incident reports;
- implementing all aspects of the contractor’s injury and illness Prevention Program as applicable to the project site.

Health and Safety Supervisor: The Health and Safety Supervisor or designee is responsible for implementing the safety plan during site operations. The Health and Safety Supervisor has the authority to stop work for health and safety reasons. Other specific responsibilities include:

- verifying that onsite contractor personnel and local government representatives work in a safe manner according to the health and safety plan;
- establishing guidelines for wearing and decontaminating (if necessary) personal protective equipment;
- observing onsite contractor personnel and local government representatives for signs of exposure or stress;
- immediately reporting any unusual or unsafe conditions to the Project Supervisor;
- informing onsite contractor personnel and local government representatives of the proper procedure during an emergency;
- providing first aid if necessary;
- identifying any onsite contractor personnel or local government representatives having special medical problems;
- ensuring that any necessary monitoring equipment is properly maintained and in good operating order.

These two supervisors direct the efforts of as many contractor personnel and local government representatives as required for safe and efficient operations.

Local Government Representatives: Local government representatives may direct traffic, conduct surveys, determine user eligibility and distribute educational materials.

M. Training Plan and Qualifications of Trainers

The transportation and disposal contractor for this HHW collection facility will be responsible for training contractor personnel. The contractor's training program is designed to enable appropriately trained personnel to receive and handle wastes in a safe, environmentally sound manner and to work in compliance with the contractor's methods and with applicable regulations. Contractor personnel assigned to this project will complete the appropriate health and safety training in accordance with the Occupational Safety and Health Administration standard in 29 CFR 1910.120(e). All onsite contractor personnel will have received a minimum of forty (40) hours of classroom training and three days of field experience under the direct supervision of a trained, experienced supervisor.

The training is designed to ensure that facility personnel are able to effectively respond to emergencies by familiarizing them with emergency procedures, emergency equipment and emergency systems, including the following:

- Procedures for using and inspecting facility emergency and monitoring equipment;
- Communications or alarm systems;
- Response to fires or explosions
- Response to spills or leaks; and

- Shutdown of operations.

Contractor personnel will be fully trained before being assigned to the facility. Onsite contractor personnel will be required to take part in an annual review of the initial training. Training records for onsite contractor personnel will be kept at the contractor's office. Documentation of employee training is to include date, name and topics covered. The records must be kept for current employees until closure of the facility; on former employees for at least three years from the date the employee last worked at the facility.

N. Operational/Emergency Equipment and Personal Protection Equipment

The HHW collection facility contains the necessary equipment for protecting contractor personnel and local government representatives. The facility also contains the equipment needed to implement the contingency plan. The facility is equipped with a cellular telephone from which emergency assistance could be summoned. Internal communications will be carried out by voice as the most practical method given the restricted size of the facility. A hand-held, pressurized air horn is also available to signal an emergency situation.

Other equipment kept at the facility includes portable ABC dry chemical and CO fire extinguishers; spill control equipment including clay and/or inert absorbents, pads, boom, shovels, brooms, containers, and various commercial decontamination solutions.

All facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment are inspected weekly and maintained as necessary to ensure its presence and proper operation in case of emergency. Fire protection equipment is tested according to manufacturer specifications. Results of all inspections are recorded on a customized checklist that includes sections dates and a list of all systems and equipment to be inspected. This checklist is kept in a loose-leaf notebook on site.

Personal Protective Equipment (PPE) is used as appropriate to protect contractor personnel and local government representatives from spills, broken containers, and sharp objects. The level of PPE required for particular tasks is described in the following examples:

Persons Removing Waste from Cars – Level II*

- chemical resistant (polyethylene-coated type) coveralls;
- safety glasses with side shields;
- chemical-resistant gloves with outer leather or other puncture-resistant gloves (optional);
- safety shoes;
- Depending on the substances being handled, a higher level of PPE (including respirators and goggles or face shield) might be required.

Person Opening containers and Bulking Waste – Level II

- Chemical-resistant coveralls;

- Full-face shield;
- Safety glasses
- Polyurethane or other chemical-resistant safety boots;
- Respirator with organic vapor cartridge and high-efficiency particulate air filter if necessary (as determined according to the waste being handled);
- Chemical-resistant inner glove and outer puncture-resistant glove.

Persons Segregating Waste from Vehicles – Level I

- Safety glasses (with splash goggles or full-face shield when necessary);
- White Tyvek with vinyl apron;
- Chemical-resistant safety shoes/boots;
- Respirator (as required);
- Chemical-resistant inner glove and puncture-resistant outer glove.

Persons Sampling HHW – Level II

- Full-face shield and safety glasses;
- Chemical-resistant coveralls;
- Chemical-resistant safety shoes/boots;
- Respirator (as required);
- Chemical-resistant inner glove and outer puncture-resistant glove.

Persons Lab packing HHW – Level I or II

- Safety glasses (with goggles or full-face shield when necessary);
- White Tyvek with vinyl apron or chemical resistant coverall;
- Chemical-resistant safety boot;
- Respirator (as required);
- Chemical-resistant inner glove and puncture-resistant outer glove.

[Note: Contractor personnel handling or moving drums may require metatarsal safety shoes. Regular safety shoes may be substituted for chemical resistant safety shoes when no chemical exposure hazard exists.]

O. Use and Management of Containers

Appropriate containers fitting DOT specifications will always be used for storing wastes at the City of Durham HHW Collection Facility. Contractor personnel preparing wastes for storage will only use containers that are compatible with the wastes to be stored in them, so that containment ability is not impaired.

All containers holding accumulated HHW are checked at least weekly to ensure that they have not been stored more than 180 days and also to ensure their integrity. These inspections, to be conducted by the contractor, are used to detect any leaks or deterioration caused by corrosion or other factors. Results of these inspections are recorded in the notebook on site. If a container holding hazardous waste is found to be in poor condition or if it begins to leak, contractor personnel will transfer the wastes from

the defective container to one that is in good condition or will overpack the container in a suitable storage drum.

Contractor personnel also ensure that any containers holding hazardous waste are closed during storage, except when it is necessary to add or remove waste. Caution is taken in the movement of all containers to prevent them from being tipped over or punctured. Furthermore, the containers are not opened, handled or stored in a manner that may rupture them or cause them to leak.

Unobstructed aisle space is maintained to allow movement of personnel, containers, and emergency equipment within the storage building and apron at all times.

P. Recycling of Wastes

HHW collected at this facility is recycled or treated whenever economically practical, and incineration or land filling is used as a last resort. In keeping with this operating philosophy, the following wastes are collected for recycling or BTU recovery:

- Adhesives, paint waste in small cans
- Paint – oil based
- Paint – latex
- Aerosols, flammable and non-flammable
- Motor oil and mixed solvents
- Household batteries, NiCad
- Mercury debris
- PCB ballasts
- Lead acid batteries
- Fluorescent bulbs
- Empty drums
- Oil filters

Q. Transportation and Disposal

When the transportation and disposal contractor arrives at the HHW storage facility for a scheduled pickup, the contractor will ensure that all containers are properly packaged, labeled, documented and manifested. Contractor personnel will then load the containers onto a contractor vehicle and will transport them to a licensed facility for final treatment, recycling or disposal.

R. Reporting and Documentation

Thorough and accurate records will be maintained to ensure the accurate tracking of hazardous materials from the generator to final disposal sites. Container Contents Sheets will detail each drum's contents and waste quantities. Additional records that will be generated to ensure accurate record keeping include the following:

- Drum Tracking Sheet (contractor's in-house form);
- Uniform Hazardous Waste Manifest;
- Contractor's Material Profile Sheet (for wastes in bulk, 5 gallon or more);

- Waste Certification/Notification (to meet requirements of land-ban requirements, if applicable);
- TC Rule Certification/Recertification (to meet the TCLP Rule requirements, if applicable);
- Certificates of Disposal

S. Maintenance and Operation of the Facility

The HHW collection facility will be maintained and operated to promote personnel safety and to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. The appropriate provisions and procedures necessary to ensure safe and efficient operations have been stated in this plan.

T. Closure of Collection Facility

At such a time that the City of Durham Household Hazardous Waste Collection Facility should close or be relocated, all household hazardous waste and any residue from the containment system shall be removed. Any remaining liners, bases, soil and related equipment or structures containing or contaminated with household hazardous waste or their residues shall be decontaminated or removed. All wastes or material that is decontaminated or removed shall be managed appropriately.

03/03/2004

**Amendment to
Contingency Plan for the City of Durham Permanent
Household Hazardous Waste Collection Facility**

The information below is updated from the original plan dated 11/27/95 and amendment dated 1/24/2000.

Responsible Agency: Environmental Resources
City of Durham
101 City Hall Plaza
Durham, N. C. 27701
(919) 560-4381

Facility Address: City of Durham's
North Durham Water Reclamation Facility
1900 East Club Boulevard
Durham, N. C. 27704
(919) 560-4384

Emergency Coordinators (listed in the order they should be contacted):

Primary Contact: **Nancy Lee Newell**, Environmental Programs
Engineer
work location: 1600 Mist Lake Dr. , Durham
work mail: 101 City Hall Plaza, Durham, N. C. 27701
(919) 560-4381
home: 4621 Reigalwood Road, Durham, NC 27712
(919) 471-8079

Secondary Contacts:

1) **William Telford**, Superintendent, Division Head
work location: 1900 East Club Boulevard
work mail: 101 City Hall Plaza, Durham, NC
(919) 560-4384 pager (919) 572-8566
home: **919-493-3838**

2) **Thomas W. Glenn**, Deputy Director
work location: 1600 Mist Lake Dr. , Durham
work mail: 101 City Hall Plaza, Durham, N. C. 27701
(919) 560-4381 Pager (919) 572-8582
home: **(919) 471-8657**

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION
DATE 7/12/04 BY SLC

DURHAM



1 8 6 9
CITY OF MEDICINE

CITY OF DURHAM

DEPARTMENT OF ENVIRONMENTAL RESOURCES
101 CITY HALL PLAZA • DURHAM, NC 27701
919.560.4381 • fax 919.560.4479
www.ci.durham.nc.us

CF
32-98-TP
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SUC

- Administration
- Laboratory Services
- Plant Engineering & Maintenance
- Wastewater Treatment Division
- Water Supply & Treatment Division

July 12, 2004

Ms. Sherri D. Coghill
NC DENR, Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

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SUC

Re: Notice of Renewal for HHW Facility – Permit No. 32-98-TP

Dear Ms. Coghill:

Please find attached a signed copy of the Application for Household hazardous Waste Identification Number that you requested for the permit renewal process for the City of Durham Permanent Household Hazardous Waste Facility. I have previously sent you an electronic copy of the revised Operations Plan for the facility that reflects changes in operation hours and updated information regarding the program.

Please let me know if you have any questions or need further information.

Yours truly,

Nancy L. Newell, P.E.
Environmental Programs Engineer

Attachments



**APPLICATION FOR
 HOUSEHOLD HAZARDOUS WASTE IDENTIFICATION NUMBER**

A household hazardous waste I.D. number shall be required to ship collected materials off-site for treatment and/or processing.
 Please check the appropriate box and fill in the blanks.

Temporary Event

Permanent Facility

OPERATOR/CONTRACTOR

Facility/Event Host	City of Durham				
Contact Person	Nancy Newell	Title	Project Engineer		
Mailing Address	1600 Mist Lake Road				
City	Durham	State	NC	Zip	27704
Phone	919-560-4381	Fax	919-560-4479	E-mail	Nancy.Newell@durhamnc.gov
On-Site Contractor	EcoFLo				
Contact Person	Marvin R. Sparks, Jr.	Title	Facility Supervisor		
Mailing Address	2750 Patterson Street				
City	Greensboro	State	NC	Zip	27407
Phone	(336) 855-7925	Fax	(336) 855-4129	E-mail	rsparks@ecoflo.com

TRANSPORTER

Company Name	EcoFlo, Inc.	ID No.	NCD980842132		
Contact Person	Marvin R. Sparks, Jr.	Title	Facility Supervisor		
Mailing Address	2750 Patterson Street				
City	Greensboro	State	NC	Zip	27407
Phone	(336) 855-7925	Fax	(336) 855-4129	E-mail	rsparks@ecoflo.com

DISPOSER/RECYCLER

Company Name	Same as above		ID No.		
Contact Person		Title			
Mailing Address					
City		State		Zip	
Phone		Fax		E-mail	

COLLECTION DETAILS

Physical Location of Event/Facility	North Durham Water Reclamation Facility 1900 East Club Boulevard, Durham, NC 27704
Date of Temporary Event (if applicable)	
Materials To Be Collected	Various household hazardous waste materials including paints, cleaners, pesticides, herbicides, aerosols, auto products, batteries, waxes, varnishes, coatings, etc.
Materials To Be Recycled	Paint, solvents, motor oil, batteries, computers, empty tanks, etc.
Additional Comments	9:00 am - 3:00 pm Mar - Oct. Wed and Sat; Nov - Feb on Sat. Closed on holidays.

CERTIFICATION OF OPERATOR/CONTRACTOR:

I certify that the information supplied is accurate and correct to the best of my knowledge and belief, and that this facility will only accept household hazardous waste. I am authorized to make this request on behalf of the operator at the location given.

Name Nancy Newell Title Project Engineer

Company City of Durham

Signature *Nancy Newell* Date 7/12/04

Purpose: Application for household hazardous waste identification number. This number shall be used to ship collected materials off-site for treatment and/or processing.

Distribution: Mail completed original to the following address:

Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646
(919) 733-0692

Disposition: This form shall be maintained in accordance with the standards of the Solid Waste Section's Records Disposition Schedule published by the North Carolina Division of Archives and History.

The Solid Waste Section shall assign an identification number upon receipt of application.

***Temporary Day -** Upon completion of a Temporary Collection day, a report on HHW collected, disposed, and recycled shall be returned to the Solid Waste Section.

***Permanent Site -** An annual report on HHW collected, disposed, and recycled shall be returned to the Solid Waste Section.

SOLID WASTE SECTION USE ONLY

Date Received: _____

Date Approved: _____

HHW ID Number: NC__H_____

0 SOLID WASTE SECTION PERMIT APPLICANT COMPLIANCE REVIEW 0

Instructions: Complete upper portion and submit this form to the Field Operations Branch Compliance Officer.

Review Requested by: Sharni Coghill Date Requested: 6/5/02

Type of Permit: Operate a HAW Facility Check One: New Permit Renewal

Applicant Contact and Business Name: Nancy Newell, City of Durham # 32-10-TP

Parent Company/Known Subsidiaries/Other known names business has operated under:
None

Known Counties of Operation: Durham

Does the applicant have a past or current solid waste permit? Yes No

If yes, write facility type: _____, and permit #: see below
32-04, 32-10, 32-B, 32-12

To be completed by Compliance Officer and returned to Permitting or Composting & Land Application Branch staff.

1. The applicant's compliance history for the past three years was reviewed on 6/5/02.

2. The applicant has an outstanding compliance order with administrative penalty.

Yes If yes, describe unresolved issue(s): _____

No

3. The applicant has been issued two or more compliance orders in the past three years.

Yes If yes, describe nature of the violation(s): _____

No

4. Permit denial based on the applicant's compliance history is recommended.

Yes Remarks: _____

No

June 5, 2002
Date

Christy Washburn
Compliance Officer

Similar
letters sent
to ~~Orange~~ ~~Clayton~~
Waste
Co. S.

Durham HHW

3210 TP

May 16, 2001

Nancy Newell
City of Durham
Department of Environmental Resources
101 City Hall Plaza
Durham, NC 27701

Re: Five-year Review of Permit Number 32-10-TP, City of Durham Permanent Household Hazardous Waste Facility

Dear Ms. Newell:

This letter is in response to your letter dated February 13, 2001, requesting permit renewal for the referenced facility.

Rule .0201(e) and the permit conditions for the Permit to Operate issued March 22, 1996, require review of the permit every five years. The facility may continue to operate under the current conditions of the Permit to Operate during the review of the permit. The permit review will consist of a comprehensive evaluation of the performance of the existing facility. This evaluation includes a review of the effectiveness of the current operations plan, and the past compliance history of the owner/operator.

The Permitting Engineer, Sherri Coghill, will evaluate the effectiveness of the current operations plan in consultation with the Waste Management Specialist, Robert Hearn. The operations plan may be revised as a result of this evaluation.

In addition, the Permitting Engineer, in consultation with the Compliance Branch, will evaluate the past compliance history of the facility.

OK w/ Courtney
check w/ Robert

The Section may require additional information from the owner/operator to complete the evaluation of the performance of the referenced facility.

Ms. Newell
May 16, 2001
Page 2

If you have any questions, please contact me at (919) 733-0692, extension 256.

Sincerely,

James C. Coffey, Acting Chief
Solid Waste Section

cc: Mark Fry
Robert Hearn
Sherri Coghill

DURHAM



1869
CITY OF MEDICINE

CITY OF DURHAM

DEPARTMENT OF ENVIRONMENTAL RESOURCES
101 CITY HALL PLAZA • DURHAM, NC 27701
919.560.4381 • fax 919.560.4479
www.ci.durham.nc.us

- Administration
- Laboratory Services
- Plant Engineering & Maintenance
- Wastewater Treatment Division
- Water Supply & Treatment Division

February 13, 2001

Ms. Sherri D. Coghill
NC DENR
Solid Waste Section
P. O. Box 27687
Raleigh, NC 27611-7687

Re: Notice of Renewal for HHW Facility – Permit No. 32-08-TP

10-TP
TRANS
WATER

Dear Ms. Coghill:

This letter is to request a permit renewal for an additional five years for the referenced facility and to inform you of the engagement of a new contractor and minor changes to the Contingency Plan and the Operation Plan for the City of Durham Permanent Household Hazardous Waste Facility.

The new contractor is ECOFLO, Inc., which is located at 2750 Patterson Street, Greensboro, North Carolina 27407, phone (336) 855-7925. Jerry Forgey is the Vice President of Operations and Ann Rudd is the Business Development Specialist. ECOFLO began providing service in January 2001. The initial contract term is for three years.

The Contact information has been updated in the Contingency Plan. The amendment is attached. Please let me know if you have any questions.

Yours truly,

Nancy L. Newell, P.E.
Environmental Programs Engineer

Attachments



2-14-2001

**Amendment to
Contingency Plan for the City of Durham Permanent
Household Hazardous Waste Collection Facility**

The information below is updated from the original plan dated 11/27/95 and amendment dated 1/24/2000.

Responsible Agency: Environmental Resources
City of Durham
101 City Hall Plaza
Durham, N. C. 27701
(919) 560-4381

Facility Address: City of Durham's former
Northside Wastewater Treatment Plant
1900 East Club Boulevard
Durham, N. C.

Emergency Coordinators (listed in the order they should be contacted):

Primary Contact: **Nancy Lee Newell**, Environmental Programs
Engineer
work location: 1600 Mist Lake Dr. , Durham
work mail: 101 City Hall Plaza, Durham, N. C. 27701
(919) 560-4381 pager (919) 572-8577
home: 4621 Reigalwood Road, Durham, NC 27712
(919) 471-8079

Secondary Contacts:

1) **William Telford**, Superintendent, Division Head
work location: 1900 East Club Boulevard
work mail: 101 City Hall Plaza, Durham, NC
(919) 560-4384 pager (919) 572-8566
home: **919-493-3838**

2) **Thomas W. Glenn**, Deputy Director
work location: 1600 Mist Lake Dr. , Durham
work mail: 101 City Hall Plaza, Durham, N. C. 27701
(919) 560-4381 Pager (919) 572-8582
home: **(919) 471-8657**

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

March 18, 1996

Nancy Newell
Program Administrator/Engineer
101 City Hall Plaza
Durham, NC 27701

RE: Household Hazardous Waste Collection Days for April, May, and June 1996: 1900 E.
Club Blvd, Durham, NC

Ms. Newell:

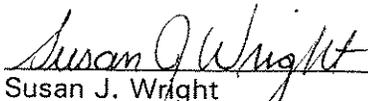
The Solid Waste Section (Section) has received your application for a household hazardous waste (HHW) identification number to be used for the shipment of collected materials off-site on the second and fourth Saturdays of each month. The Section is currently issuing an ID number to be used for collection events held on the second and fourth Saturdays only for the months of April, May, and June of 1996.

Your Household Hazardous Waste Temporary I.D. number for April, May, and June of 1996 is:

NCTH03296021 for the 1900 East Club Boulevard location.

Upon completion of your collection day, please return a copy of the manifest and a listing of the materials which were recycled to the Section. The Section will use this information to develop an annual report detailing collection, treatment, disposal, and recycling of household hazardous waste in North Carolina. If you have any questions or comments, please contact our office at (919) 733-0692.

Sincerely,


Susan J. Wright
Environmental Engineer

cc: Vernon Hunt - City of Durham
Jim Malach - Laidlaw Environmental
Leigh Scott - TJCOG
Mark Fry - DSWM
Terry Dover - DSWM

C:\WRIGHT\PROJECTS\HHW\TEMPRARY\DHAM.4

APPLICATION FOR A HOUSEHOLD HAZARDOUS WASTE NUMBER

A household hazardous waste I.D. number shall be required to ship collected materials off-site for treatment and for processing.
Please check the appropriate box and fill in the blanks.

Temporary Day

Permanent Site

OPERATOR

City/County City of Durham

Contact Person Nancy Newell, Prog. Admin./Eng. Phone (919) 560-4185

Company Name City of Durham Sanitation Dept

Site Location 1900 E. Club Blvd, Durham County Durham

Contact Person Vernon Hunt, Acting Sanitation Phone (919) 560-4505
Serv. Supervisor

Mailing Address City of Durham, 101 City Hall Plaza, Durham, NC 27701

TRANSPORTER

Company Name Laidlaw Environmental Serv. ID No. MDD980554653

Mailing Address 208 Watlington Industrial Dr, Reidsville, NC 27320

Contact Person Jim Malach, Project Mgr Phone (910) 342-6106

DISPOSER/RECYCLER

Company Name Laidlaw Environmental Services ID No. NCD000648451

Site Location 208 Watlington Industrial Dr, Reidsville, NC 27320

Mailing Address 208 Watlington Industrial Dr, Reidsville, NC 27320

Contact Person Jim Malach, Proj. Mgr Phone (910) 342-6106

MATERIALS TO BE COLLECTED Various Household Hazardous Wastes, including: yard
and garden products; automotive products; household cleaning products; paint and
solvent products; other miscellaneous HHW

MATERIALS TO BE RECYCLED where economically practical: automotive fluids,
batteries, latex paint, mercury, aerosol cans, and other HHW

(OVER)

EXPLANATION _____

For Temporary Day, dates of collection (mo/day/yr) 2nd and 4th Saturdays
of each month, April-June, 1996

I certify that the information supplied is accurate and correct to the best of my knowledge and belief; and that this facility will only accept household hazardous waste.

I am authorized to make this request on behalf of the operator at the location given.

Date 3/6/96 Name NANCY LEE NEWELL

Company Title PROGRAM ADMIN/ENG Signature Nancy Lee Newell

Purpose: Application for household hazardous waste identification number. This number shall be used to ship collected materials off-site for treatment and/or processing.

Distribution: Mail completed original to the following address:

Solid Waste Section
Post Office Box 27687
Raleigh, North Carolina 27611-7687
(919)733-0692

A number shall be assigned upon receipt of application by the Solid Waste Section.

*Temporary Day - Upon Completion of a Temporary Collection day, a copy of the Manifest shall be returned to the Solid Waste Section.

*Permanent Site - An annual report on HHW collected, disposed of, and recycled shall be returned to the Solid Waste Section.

Disposition: This form shall be maintained in accordance with the standards of the Solid Waste Section's Records Disposition Schedule published by the North Carolina Division of Archives and History.

(FOR SECTION'S USE ONLY)

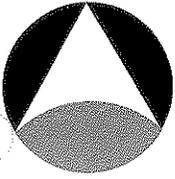
Date Rec'd _____

Date Approved _____

HHW Number N C H



Durham 32-10 TP
Correspondence



TRIANGLE J COUNCIL OF GOVERNMENTS

W o r l d
C l a s s
R e g i o n

100 Park Drive, P.O. Box 12276
Research Triangle Park, NC 27709
919.549.0551 FAX: 919.549.9390

January 25, 1996

Susan Wright
NC DEHNR, Division of Solid Waste Management
P.O. Box 27687
Raleigh, NC 27611-7687

Dear Susan:

In your January 10 letter to Nancy Newell, you issued an ID number for Durham's continuing HHW collection events and also asked Nancy to send you a copy of the manifests and a listing of the materials sent for recycling. I have contacted our waste management company, Laidlaw Environmental Services, to ensure that we will be able to submit the requested information concerning the recycled materials. I have spoken with Jackie Noles, who agreed to develop a program that will produce reports containing a list of recycled materials and their volumes. She said that she will need a few weeks to complete the necessary programming.

In the meantime, I wanted to give you some general information concerning the materials that are currently sent for recycling (as listed below). I have also included information on the materials that are used for energy recovery.

Recycled Materials:

Latex paint
Ni-Cd and lead-acid batteries
Fluorescent bulbs
Waste oil
Brake fluid
Antifreeze

Energy Recovery (assuming adequate BTU content):

Solvents
Fuels
Oil-based paint

It is certainly our preference to recycle materials whenever feasible, and we will add to this list as opportunities arise. One addition that we anticipate is aerosol cans, which we will begin recycling as soon as we receive the puncturing devices we have ordered.

Sincerely,

Leigh Scott
HHW Program Administrator

cc: Nancy Newell, City of Durham
Jackie Noles, Laidlaw Environmental Services



State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

January 10, 1996

Nancy Newell
Program Administrator/Engineer
101 City Hall Plaza
Durham, NC 27701

RE: Household Hazardous Waste Collection Days for January, February, and March 1996:
1900 E. Club Blvd, Durham, NC

Ms. Newell:

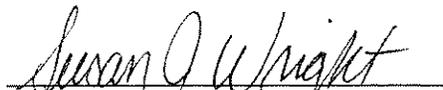
The Solid Waste Section (Section) has received your application for a household hazardous waste (HHW) identification number to be used for the shipment of collected materials off-site on the second and fourth Saturdays of each month. The Section is currently issuing an ID number to be used for collection events held on the second and fourth Saturdays only for the months of January, February, and March of 1996. Before March, you must apply for another ID number for the upcoming three months if you have not constructed a permanent HHW collection facility by that time and still wish to hold collection events twice per month.

Your Household Hazardous Waste Temporary I.D. number for January, February, and March of 1996 is:

NCTH03296011 for the 1900 East Club Boulevard location.

Upon completion of your collection day, please return a copy of the manifest and a listing of the materials which were recycled to the Section. The Section will use this information to develop an annual report detailing collection, treatment, disposal, and recycling of household hazardous waste in North Carolina. If you have any questions or comments, please contact our office at (919) 733-0692.

Sincerely,


Susan J. Wright
Environmental Engineer

cc: Vernon Hunt - City of Durham
Cedric Smith - Laidlaw Environmental
Leigh Scott Prater - TJCOG
Mark Fry - DSWM
Terry Dover - DSWM

C:\WRIGHT\PROJECTS\HHW\TEMPRARY\DHAM.2

APPLICATION FOR A HOUSEHOLD HAZARDOUS WASTE NUMBER

A household hazardous waste I.D. number shall be required to ship collected materials off-site for treatment and/or processing.
Please check the appropriate box and fill in the blanks.

Temporary Day

Permanent Site

OPERATOR

City/County City of Durham

Contact Person Nancy Newell, Prog. Admin./Eng. Phone (919) 560-4185

Company Name Sanitation Dept, City of Durham

Site Location 1900 E. Club Blvd., Durham County Durham

Contact Person Vernon Hunt, Acting Sanitation Phone (919) 560-4505
Services Supervisor

Mailing Address City of Durham, 101 City Hall Plaza, Durham, NC 27701

TRANSPORTER

Company Name Laidlaw Environmental Services ID No. MDD980554653

Mailing Address 208 Watlington Industrial Dr, Reidsville, NC 27320

Contact Person Jim Malach or Cedric Smith Phone (910) 342-6106

DISPOSER/RECYCLER

Company Name Laidlaw Environmental Services ID No. NCD000648451

Site Location 208 Watlington Industrial Dr, Reidsville, NC 27320

Mailing Address 208 Watlington Industrial Dr, Reidsville, NC 27320

Contact Person Jim Malach or Cedric Smith Phone (910) 342-6106

MATERIALS TO BE COLLECTED Various household hazardous wastes, including: yard and garden products; automotive products; household cleaning products; paint and solvent products; other miscellaneous HHW.

MATERIALS TO BE RECYCLED Where economically practical: automotive fluids, batteries, latex paint, mercury, aerosol cans, and other HHW

(OVER)

EXPLANATION

For Temporary Day, dates of collection (mo/day/yr) 2nd and 4th Saturdays
of each month, Jan.-Mar. 1996

I certify that the information supplied is accurate and correct to the best of my knowledge and belief; and that this facility will only accept household hazardous waste.

I am authorized to make this request on behalf of the operator at the location given.

Date 1-5-96 Name NANCY LEE NEWELL

Company Title Prog. Admin/Engineer Signature Nancy Lee Newell

Purpose: Application for household hazardous waste identification number. This number shall be used to ship collected materials off-site for treatment and/or processing.

Distribution: Mail completed original to the following address:

Solid Waste Section
Post Office Box 27687
Raleigh, North Carolina 27611-7687
(919)733-0692

A number shall be assigned upon receipt of application by the Solid Waste Section.

*Temporary Day - Upon Completion of a Temporary Collection day, a copy of the Manifest shall be returned to the Solid Waste Section.

*Permanent Site - An annual report on HHW collected, disposed of, and recycled shall be returned to the Solid Waste Section.

Disposition: This form shall be maintained in accordance with the standards of the Solid Waste Section's Records Disposition Schedule published by the North Carolina Division of Archives and History.

(FOR SECTION'S USE ONLY)

Date Rec'd _____

Date Approved _____

HHW Number N C ___ H ___

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



June 6, 1995

Ms. Nancy Newell
101 City Hall Plaza
Durham, NC 27701

RE: Household Hazardous Waste Collection Days for July, August, and September 1995;
Durham City/County Landfill, Durham, NC

Dear Ms. Newell:

The Solid Waste Section (Section) has received your application for a household hazardous waste (HHW) identification number to be used for the shipment of collected materials off-site on the second and fourth Saturdays of each month. However, the Section is currently issuing an ID number to be used for collection events held on the second and fourth Saturdays only for the months of July, August, and September of 1995. Before September, you must apply for another ID number for the upcoming three months if you have not constructed a permanent HHW collection facility by that time and still wish to hold collection events twice per month.

Your Household Hazardous Waste Temporary ID number for July, August, and September 1995 is:

NCTH03295011 for the Durham City/County Landfill location.

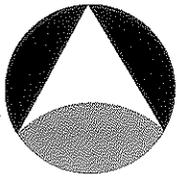
Upon completion of your collection day, please return a copy of the manifest and a listing of the materials which were recycled to the Section. The Section will use this information to develop an annual report detailing collection, treatment, disposal, and recycling of household hazardous waste in North Carolina. If you have any questions, please contact our office at (919) 733-0692.

Sincerely,

Lula H. Melton

Lula H. Melton, E.I.T.
Solid Waste Section

cc: Mark Fry
Terry Dover
Cedric Smith (Laidlaw Environmental Services)
Leigh Scott-Prater (Triangle J Council of Governments)



TRIANGLE J COUNCIL OF GOVERNMENTS

W o r l d
C l a s s
R e g i o n

100 Park Drive, P.O. Box 12276
Research Triangle Park, NC 27709
919.549.0551 FAX: 919.549.9390

June 1, 1995

Lula H. Melton
NC DEHNR, Solid Waste Section
P.O. Box 27687
Raleigh, NC 27611-7687

Dear Lula:

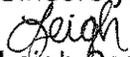
We have received all four of the permits you issued for our HHW collection centers, and we are currently finishing the detailed engineering work so that construction can begin soon on the Wake, Chatham, and Orange facilities.

As you know, there will be some delay before we can begin constructing the City of Durham's HHW collection center. However, officials from Durham have decided not to let this situation prevent them from participating in the regional HHW collection program. Therefore, they propose to hold temporary collection events on a regular schedule until the permanent facility can be constructed. Their intention is to hold these events twice per month (on the 2nd and 4th Saturdays) beginning with July, 1995. The events will be held at the Durham City/County Landfill on East Club Boulevard.

I have enclosed with this letter an application for a HHW number, under the assumption that one application will cover all of the ongoing collection events as described above. Please tell me if this is not correct, and also let me know if there are any other requirements we need to fulfill before holding these events.

Thanks for your help in getting to this stage in our regional program. We are glad to be making good progress and hope that construction will go smoothly and quickly so we can open the collection centers as soon as possible.

Sincerely,


Leigh Scott-Prater
HHW Program Administrator

Enclosure

cc: Nancy Newell, City of Durham



APPLICATION FOR A HOUSEHOLD HAZARDOUS WASTE NUMBER

A household hazardous waste I.D. number shall be required to ship collected materials off-site for treatment and for processing.
Please check the appropriate box and fill in the blanks.

Temporary Day (x)

Permanent Site ()

OPERATOR

City/County City of Durham

Contact Person Nancy Newell, Solid Waste Eng. Phone (919) 560-4185

Company Name Sanitation Department, City of Durham

Site Location Durham City/County Landfill County Durham

Onsite Contact Person Vernon Hunt, Acting Sanitation Phone (919) 560-4505
Serv. Supervisor

Mailing Address City of Durham, 101 City Hall Plaza, Durham, NC 27701

TRANSPORTER

Company Name Laidlaw Environmental Services ID No. MDD980554653

Mailing Address 208 Watlington Industrial Drive, Reidsville, NC 27320

Contact Person Cedric Smith, Project Manager Phone (910) 342-6106

DISPOSER/RECYCLER

Company Name Laidlaw Environmental Services ID No. NCD000648451

Site Location 208 Watlington Industrial Drive, Reidsville, NC 27320

Mailing Address 208 Watlington Industrial Drive, Reidsville, NC 27320

Contact Person Cedric Smith, Project Manager Phone (910) 342-6106

MATERIALS TO BE COLLECTED Various Household Hazardous Wastes, including: yard and garden products; automotive products; household cleaning products; paint and solvent products.

MATERIALS TO BE RECYCLED Where economically practical: automotive fluids, batteries, latex paint, mercury, aerosol cans, and other HHW.

(OVER)

EXPLANATION

For Temporary Day, dates of collection (mo/day/yr) 2nd and 4th Saturdays of each month, beginning July, 1995

I certify that the information supplied is accurate and correct to the best of my knowledge and belief; and that this facility will only accept household hazardous waste.

I am authorized to make this request on behalf of the operator at the location given.

Date 5-31-95 Name NANCY LEE NEWELL

Company Title PROGRAM ADMINISTRATOR Signature Nancy Lee Newell
ENGINEER

Purpose: Application for household hazardous waste identification number. This number shall be used to ship collected materials off-site for treatment and/or processing.

Distribution: Mail completed original to the following address:

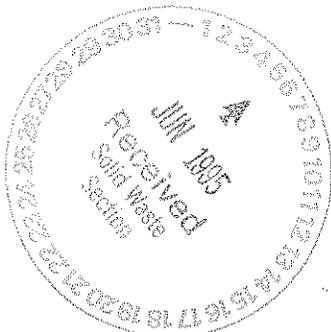
Solid Waste Section
Post Office Box 27687
Raleigh, North Carolina 27611-7687
(919)733-0692

A number shall be assigned upon receipt of application by the Solid Waste Section.

*Temporary Day - Upon Completion of a Temporary Collection day, a copy of the Manifest shall be returned to the Solid Waste Section.

*Permanent Site - An annual report on HHW collected, disposed of, and recycled shall be returned to the Solid Waste Section.

Disposition: This form shall be maintained in accordance with the standards of the Solid Waste Section's Records Disposition Schedule published by the North Carolina Division of Archives and History.



(FOR SECTION'S USE ONLY)

Date Rec'd _____

Date Approved _____

HHW Number N C __ H __

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

May 4, 1995

Ms. Nancy Newell
City of Durham
101 City Hall Plaza
Durham, NC 27701

RE: Household Hazardous Waste (HHW) Permit No. 32-08-TP (NCPH0329501), Permanent HHW Collection Facility, City of Durham Solid Waste Transfer Station near the intersection of East Geer Street and Miami Boulevard, Durham, NC

Dear Ms. Newell:

The referenced permit is issued in accordance with N.C.G.S. 130A-294. The conditions of this permit apply to the Permanent Household Hazardous Waste (HHW) Collection Facility located at the City of Durham Solid Waste Transfer Station, Durham, NC.

This permit is for a five-year period from the date of issuance and approves the construction and operation of the Permanent Household Hazardous Waste Collection Facility at the referenced location. This facility must be constructed and operated in accordance with the approved plan (Attachment I) and the conditions specified in the Permit to Construct and Operate dated May 4, 1995.

Prior to receiving HHW at the facility, the City of Durham shall submit as-built drawings for the facility to the Solid Waste Section (Section) and receive operational clearance after a representative of the Section inspects the facility.

Please review the permit conditions thoroughly and contact me at (919) 733-0692 if you have any questions or if you would like to schedule an on-site meeting with the Section to discuss construction details. Thank you for your cooperation in this matter.

Sincerely,
Lula H. Melton
Lula H. Melton, E.I.T.

enclosure

cc: James C. Coffey
Terry Dover
Brad Rutledge
Leigh Scott-Prater (Triangle J Council of Governments)

May 4, 1995

SOLID WASTE PERMIT NO. 32-08-TP (NCPH0329501)

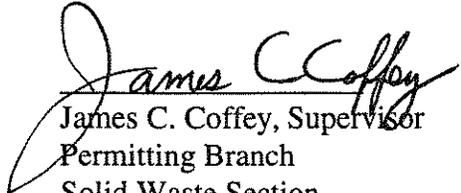
City of Durham

is hereby issued a permit to construct and operate a

Permanent Household Hazardous Waste
Collection Facility

located at the City of Durham Solid Waste Transfer Station
near the intersection of East Geer Street and Miami Boulevard
in Durham 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.


James C. Coffey, Supervisor
Permitting Branch
Solid Waste Section

PERMIT NO. 32-08-TP
DATE ISSUED 5-4-95

SOLID WASTE PERMIT
Permit to Construct and Operate
City of Durham
Permanent Household Hazardous Waste Collection Facility

CONDITIONS OF PERMIT

1. This permit is issued for a period not to exceed five years from the date of issuance. This permit is for the construction and operation of a permanent household hazardous waste collection facility located within the boundaries of the City of Durham Solid Waste Transfer Station near the intersection of East Geer Street and Miami Boulevard in Durham County, North Carolina.
2. This permanent household hazardous waste collection facility is permitted to receive household hazardous waste (HHW) from homeowners. Unacceptable HHW that shall not be collected at this facility include radioactive waste, explosives, and infectious waste.
3. This permit will be subject to review every five years in accordance with policy memoranda or rules governing the collection of HHW in effect at the time of review. Modifications to the facility or operating procedures may be required in order to comply with rules in effect at the time of the review.
4. The approved plan is described by Attachment I, "List of Documents for the Approved Plan".
5. This permit is not transferable.
6. A copy of this permit and the approved plans shall be maintained at the facility. Copies of this permit shall be forwarded to the local fire department, local hospitals, and other appropriate emergency agencies.

CONDITIONS OF PERMIT

Page 2

CONSTRUCTION AND OPERATION

1. This permit is for the construction and operation of a Permanent Household Hazardous Waste Collection Facility. Revisions of the approved plans shall be approved by the North Carolina Division of Solid Waste Management (DSWM), Solid Waste Section.
2. This facility shall be constructed in accordance with the approved plans and all pertinent rules and regulations. Prior to any modifications of the Household Hazardous Waste Collection Facility, the Solid Waste Section shall be notified, and approval shall be granted.
3. The following pre-operative requirements shall be met prior to operation of this facility:
 - a. A site inspection shall be made by a representative of the Solid Waste Section.
 - b. As-built drawings shall be submitted to the Solid Waste Section that show:
 1. Plan and profile views of the building as constructed specifically showing spill containment and sump systems, and
 2. Security and access arrangements (i.e., fences, gates, etc.).
4. This facility shall conform to all operating procedures in the approved plan, 15A NCAC 13B .0400, Policy Memorandum No. 15, and the conditions specified herein.
 - a. The facility shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the DSWM to prevent unauthorized entry.
 - b. An attendant shall be on duty at the site at all times while it is open for public use to ensure compliance with operational requirements.
 - c. Signs shall be posted at the facility entrance stating the hours of operation and other pertinent information.
 - d. Collected HHW shall be shipped off-site by a licensed hazardous waste contractor to a licensed hazardous waste facility for recycling, treatment, and/or disposal.
 - e. The date upon which each period of accumulation begins shall be clearly marked and visible on each container. Each container shall be labelled or marked clearly with the words "Hazardous Waste" unless the container separately holds

the facility shall be no more than 180 days after initial receipt. Before the end of 180 days, the HHW shall be transported off-site for recycling, treatment and/or disposal.

- f. Only personnel who have been trained in accordance with the approved training program in the Operation Plan (Attachment II) shall participate in collection activities.
- g. Facility personnel shall inspect the facility's emergency equipment and supplies on a weekly basis. Adequate amounts of absorbent material shall be maintained on-site to clean up spills or leaks of small quantities.
- h. Materials shall be stored in the HHW collection facility so as to not obstruct the movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment during an emergency.
- i. Sump outlets in the HHW collection building shall remain plugged and closed.
- j. In the unlikely event of a release which threatens human health or the environment outside the facility boundary and/or which results in halting operations at the facility, the Emergency Response Coordinator shall implement the approved Contingency Plan (Attachment III). At a minimum, the Emergency Response Coordinator shall:
 - (1) immediately notify the appropriate local authorities.
 - (2) notify the Solid Waste Section's Waste Management Specialist in the Raleigh Regional Office at (919) 541-4700 within 24 hours of the incident.
 - (3) identify the character, source, and amount of all released hazardous materials.
 - (4) assess the possible hazards to human health and the environment.
 - (5) ensure that, in the affected areas of the facility:
 - (a) no waste that may be incompatible with the released material is stored until cleanup procedures are completed, and
 - (b) all emergency equipment is cleaned and fit for its intended use before operations are resumed.

(6) notify the Solid Waste Section's Waste Management Specialist at the
CONDITIONS OF PERMIT

Page 4

Raleigh Regional Office and other appropriate agencies, such as, the Durham/Durham County Emergency Management that the facility is ready to resume operations prior to resuming operations in the affected areas of the facility.

- (7) note in the operating record the time, date, and details of the incident.
 - (8) submit a written report detailing the incident to the SWS within 15 days.
- k. Containers shall be managed so as to prevent leaks. Containers shall be thoroughly rinsed after emptying to ensure incompatible materials are not mixed.

REPORTING REQUIREMENTS

1. The City of Durham shall maintain records for the amount of all HHW shipped off-site from the facility for disposal. Records must be compiled on a monthly basis and maintained at the facility for inspection upon request by Solid Waste Section personnel.
2. Also, on or before August 1 of this year and each year thereafter, the permittee shall report to the Solid Waste Section, the amount of HHW waste (in pounds or gallons) received at this facility and shipped off-site for disposal. The reporting period shall be for the previous year, beginning July 1 and ending June 30.

ATTACHMENT I

List of Documents for the Approved Plan

1. Operational Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility dated February 23, 1995 submitted by Triangle J Council of Governments on behalf of the City of Durham.
2. Contingency Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility dated February 23, 1995 submitted by Triangle J Council of Governments on behalf of the City of Durham.
3. Approved Environmental Assessment for the City of Durham Solid Waste Transfer Station dated September 17, 1993.
4. Floor plans, elevations, and cross-sections submitted with the Operational Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility dated February 23, 1995 submitted by Triangle J Council of Governments on behalf of the City of Durham.

Operational Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility

This plan describes the normal operating procedures for the City of Durham Permanent Household Hazardous Waste (HHW) Collection Facility. Additional procedures for emergency situations are contained in a separate Contingency Plan.

The City of Durham Permanent HHW Collection Facility is being established as part of a regional effort to more effectively manage HHW and to help prevent improper disposal. This comprehensive effort, initiated by the Triangle Region Solid Waste Planners Committee (TRSWPC), involves a coordinated program of HHW collection, source reduction, and public education. The program is being supported by governmental agencies from Wake, Chatham, Orange, and Durham counties. More information on this regional effort, and on the research conducted by the committee before choosing a course of action, can be found in two documents prepared by the TRSWPC: "A Proposal for Regionally Coordinated Household Hazardous Waste Programs in Chatham, Durham, Orange, and Wake Counties" (March, 1993) and "A Proposal for Regionally Coordinated Household Hazardous Waste Programs in Chatham, Durham, Orange, and Wake Counties: Final Report" (January, 1994). These reports can be obtained by calling the Triangle J Council of Governments (919-549-0551).

As a key part of this regional effort, four permanent HHW collection facilities will be constructed in the Triangle area. Current plans call for constructing these facilities at the following locations: Orange Regional Landfill, North Wake Sanitary Landfill, City of Durham Solid Waste Transfer Station, and Chatham County Land Clearing and Inert Debris Landfill. Each of these HHW collection facilities will be open on a regular, year-round basis. All four facilities will use similar operating procedures, with some exceptions due to site-specific characteristics and local requirements. As noted previously, this operational plan contains the specifications and procedures that pertain to the City of Durham Permanent HHW Collection Facility.

The City of Durham Permanent HHW Collection Facility will be located at the future City of Durham Solid Waste Transfer Station, which is scheduled for completion in 1996. The HHW facility will be built near an area designated for various recycling operations, including used oil and tires.

Facility Staffing

The City of Durham Permanent HHW Collection Facility will be operated largely as a "turnkey" operation by personnel from the waste transportation and disposal contractor. Local government representatives plan to receive appropriate training but will leave most of the waste-related tasks to contractor personnel; the primary exception is that the local government representatives will conduct the weekly inspections described later in this plan. Further information on facility staffing is provided in a subsequent section entitled Personnel and Duties.

Throughout this plan, personnel from the waste transportation and disposal contractor are referred to as "contractor personnel." In some instances (as necessary for clarity), they are referred to as "onsite contractor personnel" to distinguish them from other contractor employees.

User Eligibility

The City of Durham Permanent HHW Collection Facility is primarily intended to serve the residents who live within Durham County. The facility will also accept HHW from the residents of the other three counties (Orange, Wake, and Chatham) that have joined together in a regional effort to more effectively manage these wastes. This regional approach will provide maximum convenience for residents of the Triangle area and will help prevent improper disposal of HHW. Any wastes brought to the facility from households outside of the four-county area will be considered for acceptance on a case-by-case basis. Records will be kept concerning any such wastes, and these records will contain information on the types and quantities of wastes, their origin, and the decision regarding acceptance or rejection.

Only household wastes will be accepted at the facility. Businesses needing to dispose of hazardous wastes will be referred to vendors who offer "milk run" programs for picking up wastes at business locations.

Each time the collection facility is open, local government representatives will be present to help direct traffic, check for proof of residency in one of the four participating counties, conduct a brief survey, and provide educational materials. The survey will be designed to determine the types, quantities, and sources of each user's wastes, and questions may also be added to solicit user comments on program features such as convenience and publicity. The educational materials that will be offered to users will include information on less hazardous alternative products and other HHW topics.

Screening and Collection of Wastes

Once eligibility has been established as described above, the users will be directed to proceed to the waste removal area and form a waiting line if needed. Local government representatives will direct the flow of traffic to ensure safe and efficient operations. The user at the front of the line will be directed to drive onto the concrete receiving apron and under the canopy, where wastes can be safely removed from the vehicle. Contractor personnel will check the wastes and remove them from the vehicle. The occupants of the vehicle will be asked to remain in the vehicle; if it is necessary to unlock the trunk for removal of wastes, contractor personnel will request the keys and accomplish this task. Contractor personnel will maintain safe operations by immediately dealing with any leaking, damaged, unlabelled, or potentially shock sensitive or explosive materials.

The public education effort planned for this facility will inform potential users that the collection facility is designed to handle HHW from the following general categories: 1) yard and garden products; 2) automotive products; 3) paints and solvents; 4) household cleaning products; and 5) miscellaneous HHW. Because of difficulties in handling a few specific types of wastes (including explosives, radioactive materials, biologically active or infectious waste, and asbestos), the education effort will actively discourage users from bringing these materials. However, in the event that a misinformed citizen brings such wastes to the facility, local government representatives will consider taking the wastes anyway to avoid improper disposal. The decision regarding these wastes will be based upon established policies as well as the specific details of each case and also any advice from contractor personnel. As necessary, the transportation and disposal contractor will help find specialized vendors to remove any such wastes for treatment or disposal. Whenever wastes are rejected, the user will be given a waste rejection notice showing the reasons for nonacceptance and providing names of people to contact for further information concerning options for proper disposal.

Waste Identification and Packaging

As the wastes are received, contractor personnel will perform initial waste identification and segregation. Some materials that can be managed by the local government representatives (such as latex paint, motor oil and other automotive fluids, and lead-acid and button batteries) may be segregated from the hazardous wastes at this time and handled according to local government protocols.

Onsite chemical analyses will be conducted in an attempt to identify any unknown wastes. If necessary, additional analyses will be conducted at an offsite laboratory. Such offsite analyses will occur as soon as possible. Contractor personnel will prepare the samples using appropriate chain of custody and will send them to a laboratory for analysis. Meanwhile, the unknown waste material will remain onsite, isolated in a container by itself. Once the analytical results are obtained, the material will be scheduled for pick up and appropriately managed.

Contractor personnel will conduct or directly supervise the packaging, document preparation, and transportation of the hazardous wastes collected at the facility. The contractor will also arrange the recycling, treatment, or disposal of these wastes. Many of the wastes will probably require lab packing. Lab packing of materials may occur on the same day as collection activities, provided that time is available and adequate quantities of compatible materials are

received. Otherwise, materials will be safely stored until the next scheduled work day. Additionally, partially filled (packed) containers may remain onsite until adequate amounts are collected and properly packaged for transport.

If pumping, pouring, or bulking of wastes is required, grounding and explosion-proof equipment will be used as needed. For both lab pack and bulk packaging, all containers will be of the Department of Transportation (DOT) specification, type, and size most appropriate for the specific waste type and planned treatment or disposal method. Wastes will be packed in either fiber, plastic, or steel containers of open or closed-head types, in sizes ranging from 5-gallon pails to 85-gallon overpacks.

For any necessary lab packing, wastes will first be segregated according to DOT hazard class, then by chemical compatibility and by the acceptance criteria of specific waste recycling, treatment, or disposal facilities. An absorbent material such as vermiculite or Silk-wik will be used to surround inner containers, prevent breakage, absorb any leaking materials, and prevent release from the outer (shipping) container. Each inner container will be recorded on container content forms, providing a complete record of the contents of any drum.

Whether lab pack or bulk, the filled drums will be closed, labelled, and marked in accordance with DOT and Environmental Protection Agency (EPA) shipping requirements, and the proper information will be recorded on the manifest. The generator's notification and certification will also be prepared, as required under the land-ban regulations if applicable.

Accumulation Time

The storage building at the City of Durham Permanent HHW Collection Facility will be designed to accommodate temporary accumulation of several classes of hazardous materials. Contractor personnel and local government representatives will be trained as appropriate concerning proper waste segregation and safe storage procedures.

In accordance with state requirements for temporary storage, the date upon which each period of accumulation begins will be clearly marked and visible on each container. Furthermore, while being stored onsite, all containers with accumulating hazardous wastes will be labelled or marked clearly with the words, "Hazardous Waste," unless the material is recyclable (e.g., used oil, latex paints, batteries) and is separated from other hazardous waste.

Time in storage may vary according to the volume of waste received. Removal of wastes by the contractor will be scheduled as necessary to minimize expense to the local government while still complying with applicable regulations and safety considerations. Wastes will not be stored longer than 180 days without written permission from the North Carolina DEHNR Division of Solid Waste Management.

Storage Building Specifications

The City of Durham Permanent HHW Collection Facility will be designed and constructed to ensure safe and efficient operation. According to state guidance concerning storage of ignitable and reactive wastes, the structure will be located at least 50 ft from the facility's property line. Furthermore, the storage building will be separated from other operational areas of the solid waste facility in order to minimize damage in case of fire. The location of the HHW collection facility relative to other operational areas is shown on the enclosed site map.

As required for proper safety and environmental protection, the structure will be: 1) designed to contain leaks and spills; 2) covered to exclude rain water; 3) secured to control access; and 4) constructed in accordance with all applicable National Fire Protection Association codes.

The HHW collection facility will consist of a single storage building with an attached concrete receiving apron plus canopy. Conceptual drawings showing the building floor plan and elevation are attached. (Please note: Plans to include the apron and canopy were made after these drawings were prepared; therefore, these features are not currently shown but will be added later.) Although certain building features may be altered as the engineering work progresses, preliminary facility specifications are contained in Attachment 1.

Access Control and Security

Access to the facility and chemical handling areas will be controlled to prevent unnecessary public exposure to potentially harmful substances. Areas where chemicals are handled or stored will be clearly marked using one or more of the following: warning tape, barriers, and caution signs. The signs will contain appropriate warnings such as "No Smoking," and "Authorized Personnel Only." In addition, during collection times, local government representatives will be stationed in strategic locations and will serve as checkpoint personnel to direct the flow of traffic and people.

The HHW storage building will be secured against unauthorized access by locked doors and by a fence surrounding the Transfer Station. Furthermore, its location at the City of Durham Solid Waste Transfer Station will provide an extra measure of safety due to the presence of personnel at nearby areas during normal operating hours.

Hours of Operation

The HHW collection facility will initially be open for receipt of wastes two Saturdays per month from 9:00 am to 3:30 pm. If there is a need to add more days per month or extend these hours to meet user demand, the NC DEHNR Division of Solid Waste Management will be notified in writing.

Personnel and Duties

The HHW collection facility will be staffed by well-trained, qualified personnel under the leadership of the contractor's Project Supervisor and Health and Safety Supervisor. The duties of these supervisors and also of local government personnel are described below.

Project Supervisor: The Project Supervisor will direct onsite operational efforts. This individual, assisted by the Health and Safety Supervisor, has primary responsibility for:

- assuring that all onsite contractor personnel and local government representatives have met the training requirements appropriate for their duties;
- assuring that onsite contractor personnel and local government representatives are aware of the provisions of the Contingency Plan;
- assuring that onsite contractor personnel and local government representatives are aware of the potential hazards associated with site operations;
- assuring that appropriate personal protective equipment is available and properly used;
- monitoring the safety performance of onsite contractor personnel and local government representatives;
- correcting any work practices or conditions that may result in injury or exposure to hazardous substances;
- preparing any accident/incident reports;
- implementing all aspects of the contractor's Injury and Illness Prevention Program as applicable to the project site.

Health and Safety Supervisor: The Health and Safety Supervisor or designee will be responsible for implementing the safety plan during site operations. The Health and Safety Supervisor has the authority to stop work for health and safety reasons. Other specific responsibilities include:

- verifying that onsite contractor personnel and local government representatives work in a safe manner according to the health and safety plan;
- establishing guidelines for wearing and decontaminating (if necessary) personal protective equipment;
- observing onsite contractor personnel and local government representatives for signs of exposure or stress;
- immediately reporting any unusual or unsafe conditions to the Project Supervisor;
- informing onsite contractor personnel and local government representatives of the proper procedure during an emergency;
- providing first aid if necessary;

- identifying any onsite contractor personnel or local government representatives having special medical problems;
- ensuring that any necessary monitoring equipment is properly maintained and in good operating order.

These two supervisors will direct the efforts of as many contractor personnel and local government representatives as required for safe and efficient operations.

Local Government Representatives: Local government representatives will be responsible for opening the site before each collection event and securing the site at the end of each event. As mentioned previously, local government representatives will also direct traffic, conduct surveys, determine user eligibility, and distribute educational materials.

The primary waste-related task that local government representatives plan to perform will be weekly inspections. Contractor personnel will perform these inspections until the local government representatives have received appropriate training.

Training Plan and Qualifications of Trainers

The transportation and disposal contractor for this HHW collection facility will be responsible for training local government representatives as well as contractor personnel. The contractor's training program is designed to enable appropriately trained personnel to receive and handle wastes in a safe, environmentally sound manner and to work in compliance with the contractor's methods and with applicable regulations. Contractor personnel assigned to this project will complete the appropriate health and safety training in accordance with the Occupational Safety and Health Administration standard in 29 CFR 1910.120(e). All onsite contractor personnel will have received a minimum of 40 hours of classroom training and three days of field experience under the direct supervision of a trained, experienced supervisor.

Local government representatives will be trained using the same high standards applied to the training of the contractor personnel. Accordingly, the training program will be supervised by the contractor's Manager of Customer Training. This individual will have the following qualifications: 1) a Bachelors degree in a relevant field, 2) direct experience in handling of hazardous wastes, 3) certification as an environmental trainer, and 4) skills in adult education. This combination of education, experience, and skills is fully appropriate for directing the training of the local government representatives.

The training program for the local government representatives has been divided into two separate modules, as described below. This approach will allow customization of the training program on an individual basis; thus, local government representatives who already have some recent, well-documented waste management training might need only Module 2, while others with no previous training would need both modules. Individuals would not be allowed to skip Module 1 unless their previous training could be shown to cover essentially identical topics to those listed below. Furthermore, all onsite contractor personnel and local government representatives will receive training for Contingency Plan implementation.

Module 1 -- Safety Related to Waste Management -- 8 hrs

- Chemical Hazards/Toxicology
- Spill Management
- Use of Fire Extinguishers
- Emergency Equipment
- Decontamination
- General Safe Work Practices
- Accident Prevention
- Personal Protective Equipment for HHW Handlers
- Contingency Plan Implementation
- Weekly Inspection of Storage Containers
- Weekly Inspection of Operational/Emergency Equipment

Module 2 -- Regulatory Requirements for Management -- 8 hrs

- DOT Standards for Hazardous Materials
- Identification of DOT Chemical Hazard Classes
- Fingerprint Analysis
- Containerization of Hazardous Materials
- Labelling
- Marking
- EPA Standards for Hazardous Wastes
- Storage
- Disposal
- Recordkeeping
- Chemical Segregation
- Consolidation of Materials into Single Container (Bulking)
- Container Contents Sheets and Other Forms

Contractor personnel will be fully trained before being assigned to the facility. Local government representatives will complete the necessary training modules no later than six months after their assignment to facility operations. Local government representatives will not work in unsupervised positions until they have received appropriate training. Onsite contractor personnel and local government representatives will be required to take part in an annual review of the initial training. As required, complete training records for the local government representatives (along with job description, job title, and other pertinent information) will be kept at the facility; training records for onsite contractor personnel will be kept at the contractor's office.

Provisions for Ignitable, Reactive, or Incompatible Wastes

Contractor personnel will use special precautions to protect ignitable or reactive wastes from sources of ignition or reaction. These wastes will be separated from other wastes being stored in the collection facility. Any ignitable or reactive wastes will be protected from possible sources of ignition or reaction, including but not limited to: open flames, hot surfaces, frictional or radiant heat, and spontaneous ignition (e.g., from heat-producing chemical reactions). Any tools used for equipment maintenance in areas containing ignitable wastes will be of a non-sparking type. Maintenance activities such as welding or cutting, which potentially could generate sparks or open flame, will be allowed only by special permission of the contractor's Project Supervisor or designee. This permission will be granted only after the area has been inspected and tested for flammable vapors, and all ignitable or reactive materials have been removed or protected. Policy will prohibit smoking or open flame within or near the storage building. "No Smoking" signs will be placed at the entrance to unloading and storage areas and will be conspicuously placed wherever there is a direct hazard from ignitable or reactive wastes. Areas in which ignitable materials are stored will require the use of explosion-proof equipment and lighting. Proper grounding will be maintained in order to dissipate any accumulation of static charges generated by the movement of hazardous liquids in pouring or bulking operations.

Regarding incompatible wastes, the following special provisions apply:

- (1) Incompatible wastes will not be placed in the same container;
- (2) Hazardous wastes will only be placed in new, unused containers or in containers cleaned and reconditioned by a licensed manufacturer (and labelled as such);
- (3) A storage container holding a hazardous waste that is incompatible with any waste or other materials stored in close proximity will be separated from them by containment structures such as built-up curbs or will have secondary containment such as drip pans constructed of steel or polyethylene.

As a general rule, the handling and storage of all hazardous wastes (especially any that are ignitable, reactive, or incompatible) will be conducted so that it does not:

- (a) generate extreme heat or pressure, fire or explosion, or violent reaction;
- (b) produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health;
- (c) produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions;
- (d) damage the structural integrity of the device or facility containing the wastes; or
- (e) threaten human health or the environment.

The procedures to comply with these provisions depend upon: 1) proper identification of waste materials as they are received, 2) segregated storage according to compatible hazard class, and 3) no commingling, bulking, or combining of incompatible hazard classes. Guidance will be provided by Attachment 2 from Policy Memorandum #15 (entitled Examples of Potentially Incompatible Waste) and other appropriate technical publications.

Operational/Emergency Equipment and Personal Protection Equipment

The HHW collection facility will contain the necessary equipment for protecting contractor personnel and local government representatives. The facility will also contain the equipment needed to implement the contingency plan. The facility will be equipped with an immediately available telephone from which emergency assistance could be summoned. Internal communications will be carried out by voice as the most practical method given the restricted size of the facility. A hand-held, pressurized air horn will also be available to signal an emergency situation.

Other equipment to be kept at the facility will include portable ABC dry chemical and CO fire extinguishers, spill control equipment including clay and/or inert absorbents, pads, booms, shovels, brooms, containers, and various commercial decontamination solutions.

All facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment will be inspected weekly and maintained as necessary to ensure its presence and proper operation in case of emergency. Fire protection equipment will be tested according to manufacturer specifications. Results of all inspections will be recorded on a customized checklist that will include inspection dates and a list of all systems and equipment to be inspected.

Personal Protection Equipment (PPE) will be used as appropriate to protect contractor personnel and local government representatives from spills, broken containers, and sharp objects. The level of PPE required for particular tasks is described in the following examples:

Persons Removing Waste from Cars -- Level II*:

- chemical resistant (polyethylene-coated type) coveralls;
- safety glasses with side shields;
- chemical-resistant gloves with outer leather or other puncture-resistant gloves (optional);
- safety shoes.

* Depending on the substances being handled, a higher level of PPE (including respirators and goggles or face shield) might be required.

Persons Opening Containers and Bulking Waste -- Level II:

- chemical-resistant coveralls;
- full-face shield;
- safety glasses;
- polyurethane or other chemical-resistant safety boots;
- respirator with organic vapor cartridge and high-efficiency particulate air filter if necessary (as determined according to the waste being handled);
- chemical-resistant inner glove and outer puncture-resistant glove.

Persons Segregating Waste from Vehicles -- Level I:

- safety glasses (with splash goggles or full-face shield when necessary);
- white Tyvek with vinyl apron;

- chemical-resistant safety shoes/boots;
- respirator (as required);
- chemical-resistant inner glove and puncture-resistant outer glove.

Persons Sampling HHW -- Level II:

- full-face shield and safety glasses;
- chemical-resistant coveralls;
- chemical-resistant safety shoes/boots;
- respirator (as required);
- chemical-resistant inner glove and outer puncture-resistant glove.

Persons Lab Packing HHW -- Level I or II:

- safety glasses (with goggles or full-face shield when necessary);
- white Tyvek with vinyl apron or chemical resistant coverall;
- chemical-resistant safety boot;
- respirator (as required);
- chemical-resistant inner glove and puncture-resistant outer glove.

[Note: Contractor personnel (or appropriately trained local government representatives) handling or moving drums may require metatarsal safety shoes. Regular safety shoes may be substituted for chemical-resistant safety shoes when no chemical exposure hazard exists.]

Use and Management of Containers

Appropriate containers fitting DOT specifications will always be used for storing wastes at the City of Durham Permanent HHW Collection Facility. Contractor personnel preparing wastes for storage will only use containers that are compatible with the wastes to be stored in them, so that containment ability is not impaired.

All containers holding accumulated HHW will be checked at least weekly to ensure that they haven't been stored more than 180 days and also to ensure their integrity. These inspections, to be conducted by contractor personnel (or appropriately trained local government representatives), will be used to detect any leaks or deterioration caused by corrosion or other factors. Results of these inspections will be recorded. If a container holding hazardous waste is found to be in poor condition or if it begins to leak, contractor personnel (or appropriately trained local government representatives) will transfer the wastes from the defective container to one that is in good condition or will overpack the container in a suitable storage drum.

Contractor personnel (or appropriately trained local government representatives) will also ensure that any containers holding hazardous waste will be kept closed during storage, except when it is necessary to add or remove waste. Caution will be taken in the movement of all containers to prevent them from being tipped over or punctured. Furthermore, the containers will be not be opened, handled, or stored in a manner which may rupture them or cause them to leak.

Unobstructed aisle space will be maintained to allow movement of personnel, containers, and emergency equipment within the storage building and apron at all times.

Recycling of Wastes

HHW collected at this facility will be recycled or treated whenever economically practical, and incineration or landfilling will be used as a last resort. In keeping with this operating philosophy, it is currently anticipated that the following wastes might be collected for recycling or BTU recovery: motor oil and other automotive fluids, lead-acid batteries, nickel-cadmium batteries, latex paint, fuels and solvents, mercury (from fluorescent bulbs and other sources), and aerosol cans.

Transportation and Disposal

When the transportation and disposal contractor arrives at the HHW storage facility for a scheduled pickup, the contractor will ensure that all containers are properly packaged, labelled, documented, and manifested. Contractor personnel will then load the containers onto a contractor vehicle and will transport them to a licensed facility for final treatment, recycling, or disposal.

Reporting and Documentation

Thorough and accurate records will be maintained to ensure the accurate tracking of hazardous materials from the generator to final disposal sites. Container Contents Sheets will detail each drum's contents and waste quantities. Additional records that will be generated to ensure accurate record keeping include the following:

- Drum Tracking Sheet (contractor's in-house form);
- Uniform Hazardous Waste Manifest;
- Contractor's Material Profile Sheet (for wastes in bulk, 5 gallons or more);
- Waste Certification/Notification (to meet requirements of land-ban requirements if applicable);
- TC Rule Certification/Recertification (to meet the TCLP Rule requirements if applicable);
- Certificates of Disposal.

Maintenance and Operation of the Facility

The HHW collection facility will be maintained and operated to promote personnel safety and to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. The appropriate provisions and procedures necessary to ensure safe and efficient operations have been stated in this plan.

SECTION 13122

HOUSEHOLD HAZARDOUS WASTE BUILDING

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PART 1 - GENERAL

1.01 SUMMARY

- A. All buildings shall be as manufactured by Parkline, Inc., Winfield, WV or equal.
- B. Building shall be supplied complete with all necessary component parts, including foundation anchors, to form a complete building system. All parts shall be new and free from all defects or imperfections.
- C. The building width and length shall be measured from the outside of the building wall panels and the height of the building shall be the distance measured from the bottom surface of the base channel to the exterior juncture of the roof and sidewall panels.
- D. The building supplier shall supply a complete set of building drawings, based on sketches provided and Owner options listed herein.

1.02 DESIGN CRITERIA

- A. All buildings shall be designed in accordance with the applicable sections of the latest edition of the AISC "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings and the AISI "Specifications for the Design of Cold Formed Steel Structural Members."
- B. Comply with all requirements of the 1994 North Carolina Building Code.
- C. Each building shall be designed for the following loads, in addition to the stationary weight of the building. Reduction of loads due to tributary loaded areas will not be permitted.
 - 1. The vertical roof live load of the building shall not be less than 30 pounds per square foot applied on the horizontal projection on the roof.
 - 2. The horizontal Wind Load of the building shall not be less than that required by the code and shall be distributed and applied in accordance with the applicable edition of the Metal Building Manufacturers Association (MBMA) publication titled "Low Rise Building Systems Manual."
- D. All combining and distributing of auxiliary equipment loads imposed on the building system shall be done in accordance with the applicable section of the MBMA publication titled "Low Rise Building Systems Manual."

01		01
02	E. The selected building manufacturer shall provide the Engineer	02
03	with complete design certification signed and sealed by a	03
04	North Carolina registered professional engineer.	04
05		05
06	1.03 BUILDING TYPE	06
07		07
08	A. Each building shall have a gable roof with a minimum slope of 2"	08
09	in each 12" of building width. Roof panels shall be fastened to	09
10	the eave cap with Type 430 stainless steel bolts through factory	10
11	punched holes. The ridge of the roof shall be a welded double	11
12	channel assembly capped with a minimum 20 gauge steel cover.	12
13		13
14	B. Angle or channel bracing components shall be placed across the	14
15	building width to allow transmission of the horizontal wind loads.	15
16	All wind bracing components shall be a minimum 14 gauge galvanized	16
17	steel.	17
18		18
19	C. Where required for proper transmission of lateral wind loads,	19
20	structural frame windbents shall be installed. Windbents shall	20
21	consist of a bolted column and rafter assembly made of steel	21
22	conforming to ASTM A-36 specifications.	22
23		23
24	D. The interlocking panel roof system shall extend a minimum of 8"*	24
25	over the endwall panels and a minimum of 6" over the sidewall	25
26	panels of the building.	26
27		27
28	*No overhang on 32-0" AL4 buildings.	28
29		29
30	E. The building roof line shall be finished with factory painted	30
31	rake trim having matching ridge and eave cornices. Color of rake	31
32	trim and cornices shall be Arctic White or Roman Bronze.	32
33		33
34	1.04 ROOF PANEL DESIGN	34
35		35
36	A. Roof panels shall be supplied in a single continuous length from	36
37	eave line to ridge line and shall be designed to tightly interlock	37
38	so that no fasteners are required at intermediate points along the	38
39	panel side laps.	39
40		40
41	B. Roof panels shall be 16"* w wide with a smooth surface between the	41
42	interlocking side ribs. The interlocking ribs shall be a minimum	42
43	3" high, and shall be turned upward. All roof panels shall be	43
44	factory punched for connection at the eave line of the building.	44
45		45
46	*12" wide on 32-0" wide AL4 building with 6" rib panel.	46
47		47
48	C. There shall be no fastener penetrations through the roof covering	48
49	except at eave lines, ridge lines and roof accessory openings such	49
50	as skylights and ventilators.	50
51		51
52	D. Roof panels shall be minimum 20 gauge galvanized steel conforming	52
53	to ASTM A-525 specifications with the galvanized coating	53

01	conforming to G90 standards. Minimum yield strength of the panel	01
02	material shall be 50,000 PSI.	02
03	1. Roof panels shall receive a factory applied paint coating	03
04	having an exterior coating thickness of 0.8 to 1.2 mils of	04
05	dry film thickness.	05
06	2. The roof panel color coating shall carry a low fire hazard	06
07	rating equal to a Class I material as defined by Factory	07
08	Mutual. The panel coating shall have achieved a Flame Spread	08
09	Index of 0 and a Fuel Contributed Index of 5 or less when	09
10	tested in accordance with ASTM E-84 test procedures.	10
11	3. The finish coat shall be a white polyester formulation of 20	11
12	year quality when exposed to a "normal" atmospheric condition	12
13	not containing corrosive fumes such as chemicals or salt	13
14	spray.	14
15	4. Panels shall show no evidence of blistering, peeling, or	15
16	chipping for this period.	16
17	5. The above performance standards shall not apply where panels	17
18	have been damaged by fire, radiation or other physical damage.	18
19	6. The Owner to select all colors for finishes.	19
20		20
21	1.05 VERTICAL FASCIA	21
22		22
23	A. The fascia system shall consist of minimum 14 gauge galvanized	23
24	steel framing and Parkline flush or fluted wall panels as	24
25	selected by building owner.	25
26		26
27	B. All fasteners through the face of the fascia shall match the	27
28	selected fascia color.	28
29		29
30	C. No through roof fasteners shall be allowed for attachment of the	30
31	fascia to the building roof panels.	31
32		32
33	D. Optional:	33
34	1. Soffit panels shall be 32" wide x 24 gauge white perforated	34
35	panels having 1/8" diameter perforations spaced on 3/8"	35
36	staggered centers.	36
37		37
38	1.06 WALL PANEL DESIGN	38
39		39
40	A. Exterior wall panels of the building shall be a single continuous	40
41	length from the base channel to the roof line of the building at	41
42	the sidewalls and endwalls of the building except where	42
43	interrupted by wall openings.	43
44		44
45	B. Wall panels shall be 16" wide with a 3" deep inward turned	45
46	interlocking side rib. Wall panels shall contain two 3/4" deep	46
47	by 3-1/8" wide fluted recesses, each starting 2-7/16" from the	47
48	panel edge.	48
49		49
50	C. Wall panels shall be fastened internally to the base channel and	50
51	eave cap of the building with 3/8" diameter electro-galvanized	51
52	machine bolts placed within the panel interlock. The fastening	52
53	system shall be designed so that no wall fasteners are exposed on	53

01	the exterior surface of the walls.	01
02		02
03	D. Wall panels shall be minimum 24 gauge galvanized steel conforming	03
04	to ASTM A-525 specifications with the galvanized coating	04
05	conforming to G90 standards. Minimum yield strength of panel	05
06	material shall be 40,000 PSI. Panel material shall be embossed	06
07	with a random pebble pattern of approximately .007 - .008 depth.	07
08		08
09	E. All exterior surface of the galvanized steel wall covering and	09
10	exterior trim shall receive a factory applied paint coating having	10
11	an exterior coating thickness of 0.8 to 1.2 mils of dry film	11
12	thickness. The finish coat for wall panels shall be a siliconized	12
13	polyester formulation which will be selected by the Owner.	13
14		14
15	F. The wall panel color coating shall carry a low fire hazard rating	15
16	equal to a Class I material as defined by Factory Mutual. The	16
17	panel coating shall have achieved a Flame Spread Index of 0 and a	17
18	Fuel Contributed Index of 5 or less when tested in accordance	18
19	with ASTM E-84 test procedures.	19
20		20
21	G. Exterior color coatings shall meet the following performance	21
22	standards after 20 years continuous exposure in "normal"	22
23	atmospheric standards after 20 years continuous exposure in	23
24	"normal" atmospheric conditions not containing corrosive fumes	24
25	such as chemicals or salt spray.	25
26	1. Panels shall show no evidence of blistering, peeling, or	26
27	chipping.	27
28	2. Panels shall not show surface chalking in excess of the No. 8	28
29	rating as established by the American Society of Testing	29
30	Materials (ASTM) Specification D659.	30
31	3. Panels, after cleaning, shall not show color change in excess	31
32	of five (5) NBS units when measured in accordance with the	32
33	ASTM-D-2244 standard.	33
34		34
35	H. The above performance standards shall not apply where panels have	35
36	been damaged by fire, radiation or other physical damage.	36
37		37
38	1.07 GUTTERS	38
39		39
40	A. The eaves of the building shall have a gutter and downspout	40
41	system of galvanized and factory painted gutters of the same	41
42	configuration as the building rake trim and 2" x 3" box type steel	42
43	downspouts. Gutters and downspouts shall be the same color as	43
44	the building rake trim and shall be complete with all required	44
45	outlet drops, elbows and connecting hardware.	45
46		46
47	1.08 EAVE TRIM	47
48		48
49	A. The eaves of the building shall have a factory painted eave trim	49
50	of the same configuration and color as the building rake trim.	50
51	The eave trim shall allow free passage of roof drainage.	51
52		52
53	1.09 ENDWALL ROOF OVERHANG	53

01			01
02	A.	The interlocking roof panels shall extend 2'-0" outside of the	02
03		building endwalls. The overhang shall be supported by a	03
04		continuation of the ridge assembly and channel supports at the	04
05		eave lines.	05
06			06
07	1.10	SIDEWALL ROOF OVERHANG	07
08			08
09	A.	The interlocking roof panels of the building shall overhand 1	09
10		foot outside of the building sidewalls. The roof overhang shall	10
11		consist of a continuation of the building roof panels and shall	11
12		not require any supporting beams, purlins or columns. All panels	12
13		shall be prepunched for connection to the building eave cap.	13
14			14
15	1.11	ROOF INSULATION	15
16			16
17	A.	Roof insulation shall consist of 48" wide, 3" thick, .6# density	17
18		fiberglass faced on its exposed side with a white metallized	18
19		polypropylene scrimkraft facing. The faced insulation material	19
20		shall have a UL Flame Spread Rating of 25 when tested in	20
21		accordance with UL 723 of ASTM E-84 procedures.	21
22			22
23	B.	Insulation shall be supported at the roof line by means of	23
24		mechanical clips spaced on maximum 4'-0" centers and shall be	24
25		sealed by means of a 2" side tab on the facing.	25
26			26
27	C.	The "U" value through the insulated roof shall be a maximum of	27
28		0.15 BTU's per square foot when measured in accordance with the	28
29		"Zone Method" contained in ASHRAE "Handbook of Fundamentals".	29
30			30
31	1.12	LOCK-IN WALL LINER	31
32			32
33	A.	The interior of the building walls shall be lined with a factory	33
34		assembled insulated metal liner having no exposed fasteners	34
35		except at the base, ceiling and accessory trim.	35
36			36
37	B.	Liner panels shall be 16" wide and shall be embossed galvanized	37
38		steel pre-painted Parchment White. Insulation shall be non-	38
39		combustible, nominal 7/8" thick, 3# density fiberglass laminated	39
40		to the liner panel. The liner system shall be furnished with	40
41		matching base, cover and accessory trim.	41
42			42
43	C.	The "U" value of the assembled wall system shall be a maximum of	43
44		0.19 BTU's per square foot when measured in accordance with the	44
45		"Zone Method" contained in ASHRAE "Handbook of Fundamentals".	45
46			46
47	D.	The void between the exterior wall panel and the lock-in liner	47
48		shall be insulated with 3" thick unfaced fiberglass insulation.	48
49		The "U" value of the assembled wall system shall be a maximum of	49
50		0.13 BTU's per square foot when measured in accordance with the	50
51		"Zone Method" contained in ASHRAE "Handbook of Fundamentals".	51
52			52
53	1.13	GABLE INSULATION	53

01			01
02	A.	The building gable shall be insulated with 2" thick polyisocyanurate foam board faced with a white embossed coated foil on the exposed interior surface.	02
03			03
04			04
05			05
06	B.	Insulation shall have a maximum UL Flame Spread Rating of 25, Fuel Contributed Rating of 10, and Smoke Developed Rating of 155-190, when tested in accordance with UL 723 testing methods and shall meet the requirements of the Underwriters Laboratories "Wall-Ceiling" Construction Classification.	06
07			07
08			08
09			09
10			10
11			11
12	C.	The insulation shall be secured to the wall systems with vertical PVC retainers. The PVC retainers shall be self extinguishing grade material having a Flame Spread Rating of 25 or less.	12
13			13
14			14
15			15
16	D.	The "U" value through the insulated gable shall be a maximum of 0.11 when calculated in accordance with the "Zone Method" contained in ASHRAE "Handbook of Fundamentals".	16
17			17
18			18
19			19
20	1.14	HOLLOW METAL DOORS	20
21			21
22	A.	All doors shall be 1-3/4" thick flush type. Door panels shall be minimum 18 gauge galvanized steel reinforced by lamination to a honeycomb core enclosed with a continuous steel perimeter channel. The hinge reinforcement shall be minimum 11 gauge and the lock reinforcement shall be minimum 16 gauge. Door panels shall be projection welded to the perimeter channels on maximum 5" centers.	22
23			23
24			24
25			25
26			26
27			27
28			28
29			29
30	B.	Door frames shall be 4-3/4" deep double rabbeted type of minimum 16 gauge galvanized steel.	30
31			31
32			32
33	C.	Doors and frames shall be factory painted with one coat of baked on primer. All doors shall be provided "assembled" in their frames with all hardware, except door knobs, installed on door leaf. 6-0" x 7-0" double swing doors require some field assembly.	33
34			34
35			35
36			36
37			37
38	D.	Door Hardware:	38
39		1. Door hardware shall consist of:	39
40		2. 3 - 4" x 4" steel hinges per Govt. Spec. FFH-116C, Type T2127, US26D Satin Chrome Finish. (Note: 3870 doors use ball bearing hinges as standard.)	40
41			41
42			42
43		3. 3-11/16" wide x 5/8" high extruded aluminum threshold.	43
44		4. 3/16" x " polyurethane and vinyl weatherstripping.	44
45		5. Mortise cylinder lockset per Govt. Spec. 86B, US26D Satin Chrome Finish.	45
46			46
47			47
48	1.15	SKYLIGHTS	48
49			49
50	A.	Skylight panels shall be flat translucent reinforced glass fiber, factory assembled into standard flush interlocking panels. The panels shall be 1/16" thick, and have a light factor of approximately 65%.	50
51			51
52			52
53			53

01		01
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51		51
52		52
53		53

B. Panels shall meet or exceed all requirements of Federal Specifications FS-LP-505. When subjected to ASTM-E-55T (Type U Equipment) simulated 1000 hours weather test, the panel shall show no loss of surface gloss or exposed glass fibers.

1.16 POWER ROOF VENTILATORS

A. Power roof exhausters shall be 10" diameter capable of 370 CFM air movement at .06" static pressure and shall be equipped with high limit control adjustable thermostats. Power requirements of exhauster shall be 1 amp at 115 volts. Provide roof exhausters rated for Class I, Division 1, hazardous locations per National Electrical Code.

B. An intake louver of 115 square inches free air area shall be provided for each exhauster.

C. All controls shall be rated for Class I, Division 1, per the National Electrical Code.

1.17 GABLE LOUVERS

A. Gable louvers shall be fixed blade type with blades set on a 45 degree slope. Blades and frame shall be 14 gauge extruded aluminum with natural mill finish. Louvers shall include #18-14 aluminum mesh insect screens.

1.18 ELECTRICAL WORK

A. The General Contractor shall furnish and install light fixtures, light switches, exhaust fans, and exhaust fan controls inside the building, and a NEMA 3R 120/208V, 3 phase panelboard with 60A, 3 pole main circuit breaker outside the building. The electrical contractor will provide a 120/208V, 3 phase feeder to the panelboard.

B. The General Contractor shall furnish and install all conduit and wire from the panelboard to light fixtures, light switches, exhaust fans, and exhaust fan controls.

C. All electrical work shall be in accordance with the 1993 National Electrical Code. Electrical work inside the building shall conform to requirements for Class I, Division 1 locations.

PART 2 - NOT USED

PART 3 - NOT USED

END OF SECTION

DURHAM SOLID WASTE MANAGEMENT FACILITY

Memorandum

To: Leigh Scott-Prater , TJCOG
CC:
From: Nancy Lee Newell, PE *nlw*
Date: March 14, 1995
Subject: Household Hazardous Waste Permit

In response to your request that the City develop a contingency plan for the disposal of unacceptable and unaccepted waste (should citizens bring them in anyway), the following will be done:

Radioactive waste: Citizens with smoke detectors will be asked to mail them back to the manufacturer - Other radioactive waste will be handled by the local emergency management department.

Explosive materials: With advice from Laidlaw that the material is explosive and a bomb technician is needed, the City would contact the SBI 662-4500 and request assistance from either Bruce Black or Billy Green. If the waste is normal ammunition, the watch commander of the City of Durham Police Department would be contacted.

Infectious or biohazardous waste: An agreement with a private contractor such as BFI or Waste Management would be developed so that the waste could be stored safely until the contractor picked the waste up and disposed of it correctly.

Please let me know if you need additional information.

APPLICATION FOR A HOUSEHOLD HAZARDOUS WASTE NUMBER

A household hazardous waste I.D. number shall be required to ship collected materials off-site for treatment and/or processing.
Please check the appropriate box and fill in the blanks.

Temporary Day []

Permanent Site [X]

OPERATOR

City/County City of Durham

Contact Person Nancy Newell, Solid Waste Eng. Phone (919) 560-4185

Company Name Sanitation Department, City of Durham

Site Location City of Durham Solid Waste Transfer Station County Durham

Onsite Contact Person Vernon Hunt, Acting Sanitation Serv. Supervisor Phone (919) 560-4505

Mailing Address City of Durham, 101 City Hall Plaza, Durham, NC 27701

TRANSPORTER

Company Name Laidlaw Environmental Services ID No. MDD980554653

Mailing Address 208 Watlington Industrial Drive, Reidsville, NC 27320

Contact Person Cedric Smith, Project Manager Phone (910) 342-6106

DISPOSER/RECYCLER

Company Name Laidlaw Environmental Services ID No. NCD000648451

Site Location 208 Watlington Industrial Drive, Reidsville, NC 27320

Mailing Address 208 Watlington Industrial Drive, Reidsville, NC 27320

Contact Person Cedric Smith, Project Manager Phone (910) 342-6106

MATERIALS TO BE COLLECTED Various Household Hazardous Wastes, including: yard and garden products; automotive products; household cleaning products; paint and solvent products.

MATERIALS TO BE RECYCLED Where economically practical: automotive fluids, batteries, latex paint, mercury, aerosol cans, and other HHW.

(OVER)

EXPLANATION _____

For Temporary Day, dates of collection (mo/day/yr) _____

I certify that the information supplied is accurate and correct to the best of my knowledge and belief; and that this facility will only accept household hazardous waste.

I am authorized to make this request on behalf of the operator at the location given.

Date 2/21/95 Name NANCY LEE NEWELL

Company Title S.W. Process Engineer Signature Nancy Lee Newell

Purpose: Application for household hazardous waste identification number. This number shall be used to ship collected materials off-site for treatment and/or processing.

Distribution: Mail completed original to the following address:

Solid Waste Section
Post Office Box 27687
Raleigh, North Carolina 27611-7687
(919)733-0692

A number shall be assigned upon receipt of application by the Solid Waste Section.

*Temporary Day - Upon completion of a temporary collection day, a copy of the Manifest shall be returned to the Solid Waste Section.

*Permanent Site - An annual report on HHW collected, disposed of, and recycled shall be returned to the Solid Waste Section.

Disposition: This form shall be maintained in accordance with the standards of the Solid Waste Section's Records Disposition Schedule published by the North Carolina Division of Archives and History.

(FOR SECTION'S USE ONLY)

Date Rec'd _____

Date Approved _____

HHW Number N C ___ H ___

2/23/95

Contingency Plan for the City of Durham Permanent Household Hazardous Waste Collection Facility

Responsible Agency: Sanitation Department
City of Durham
101 City Hall Plaza
Durham, NC 27701
(919) 560-4185

Facility Address: City of Durham Solid Waste Transfer Station
East Geer St.
Durham, NC

Emergency Coordinators (listed in the order they should be contacted):

Primary Contact: Nancy Lee Newell, Solid Waste Process Engineer
work: 101 City Hall Plaza, Durham, NC 27701 (919) 560-4185
home: 4621 Reigalwood Rd, Durham, NC 27712 (919) 471-8079

Secondary Contacts: 1) Vernon Hunt, Acting Sanitation Services Supervisor
work: 101 City Hall Plaza, Durham, NC 27701 (919) 560-4505
home: (919) 528-3181

2) Frederick X. Ravin, Acting Assistant Sanitation Director
work: 101 City Hall Plaza, Durham, NC 27701 (919) 560-4185
home: (919) 596-0379

Contingency Plan Purpose and Implementation

This plan is designed to minimize hazards to human health and the environment from fires, explosions, or any unplanned, sudden or nonsudden release of hazardous constituents to air, soil, or surface water. The provisions of this plan will be carried out immediately whenever there is a fire, explosion or release of hazardous constituents at the facility.

Contingency Plan Contents

- This plan contains emergency procedures for four types of incidents: spills, fires, explosions and non-project-related disasters (as defined below).
- A spill is an unintentional release of materials in a quantity that is sufficient to cause environmental or personal harm.
 - A fire is the ignition or conflagration of either waste materials or paper and wood trash.
 - An explosion is a sudden detonation of waste materials.
 - Non-project-related disasters include unlikely events such as tornadoes, earthquakes, floods, or bomb threats.

Facility Staffing and Emergency Responsibilities

The City of Durham Permanent HHW Collection Facility will be operated largely as a "turnkey" operation by personnel from the waste transportation and disposal contractor. Local government representatives (from the responsible agency listed above) intend to receive appropriate training and undertake certain limited tasks. In the event of an emergency, all appropriately trained personnel who are available (possibly including both contractor personnel and local government representatives) would participate in the response as directed by the designated emergency coordinator. Accordingly, throughout the remainder of this plan, the term "personnel" will be used to refer to appropriately trained representatives of both groups.

Arrangements with Local Authorities

Local government representatives will make arrangements to familiarize local authorities with all pertinent aspects of the facility and its operations. Current plans call for contacting the following organizations prior to opening the facility: Durham/Durham County Emergency Management, City of Durham Fire Department, and City of Durham Police Department. As necessary, primary emergency authority may be designated to specific local agencies, with other agencies in supporting roles. Medical staff members at Durham Regional Hospital will also be contacted so that they will be aware of the properties of the wastes to be handled at the facility and the types of illnesses or injuries that could result from fires, explosions or accidental releases.

Contingency Plan Revisions

This contingency plan will be kept at the facility and will also be distributed to local authorities (as described above). The contingency plan will immediately be revised whenever:

- a) The plan fails in an emergency;
- b) There are significant changes in facility design, construction, operation, or maintenance;
- c) The list of emergency contacts is changed;
- d) The list of emergency equipment is changed.

Emergency Response Materials and Equipment

A variety of emergency response materials and equipment will be kept at the facility. These materials will include some or all of the following, as deemed necessary by the contractor's Project Supervisor for this facility: spill control equipment (described in a subsequent section), decontamination solutions, fire extinguishers, personnel protective equipment, self-contained breathing apparatus, emergency eyewash station, and first aid kit.

Designation of Emergency Coordinator

At all times, there will be at least one local government representative either on the facility premises or on call with the responsibility for coordinating all emergency response measures. This coordinator will be familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, location and characteristics of wastes to be handled, location of all facility records, and facility layout. In addition, this person will have the authority to commit the resources needed to implement the contingency plan. The emergency coordinator will coordinate all emergency response with the contractor's Project Supervisor or designee and will supervise the implementation of emergency procedures described in the following sections of this plan.

Spill Response Equipment and Procedures

Normal spill prevention techniques will be used at the facility, and standard spill control equipment will be available. This equipment will include some or all of the following: bulk absorbents, overpack drums, absorbent booms or pillows, polyethylene liners, containers for contaminated absorbent, non-sparking tools, and decontamination products.

In the event that a release occurs, the following procedures will be used:

- 1) The individual who notices the spill will alert other personnel by voice or three blasts of an air horn.
- 2) All personnel will stop work and secure their areas of responsibility.
- 3) The emergency coordinator will direct all public participants to a safe area if necessary.
- 4) The emergency coordinator will identify the character, exact source, amount and real extent of any released materials. The coordinator will assess the possible hazards to human health and the environment, considering both direct and indirect effects (e.g., the effects of any toxic, irritating or asphyxiating gases that are generated, or the effects of any hazardous surface-water runoff from water or any chemical agents used). The emergency

- coordinator will also determine the proper protective equipment needed and will monitor for leaks, pressure buildup, gas generation, or ruptures in equipment as appropriate.
- 5) If the release is serious enough to affect human health or the environment outside of the facility, the emergency coordinator will immediately contact local authorities and will also notify the National Response center or the government official designated as the on-scene coordinator for the area. This report will include: name and telephone number of the reporter; name, address, and telephone number of the responsible agency for the facility; name, address, and telephone number of the facility; date and time of the incident; type of incident; name and quantities of materials involved; extent of injuries; and possible hazards to human health and the environment.
 - 6) Personnel will be assigned to control the spill and prevent its spread or other complications. If necessary, personnel can be assigned to isolate storm drains and sewers. Personnel will don their protective equipment and take the appropriate steps for cleaning up the spill. Any incompatible materials located near the spill will be removed. A fire watch will be established and the local fire department will be notified. Reasonable measures will be taken to ensure that the problem does not recur or spread to other wastes.
 - 7) If the emergency coordinator determines that outside assistance is needed, then appropriate calls will be made using the emergency phone list.
 - 8) Once the spill is contained and cleaned up, any response equipment used will be decontaminated, inspected, and put back in service when returned to an acceptable condition.
 - 9) If the emergency coordinator determines that a significant amount of wastes escaped from the facility's secondary containment structures, the facility's transportation and disposal contractor will take soil and/or surface-water samples to determine the extent of contamination of the area and possible remedial action.
 - 10) The affected areas of the facility will not be placed in operation again until the responsible agency listed at the beginning of this plan has notified the appropriate authorities that the facility is once again functional.
 - 11) The responsible agency will make a report of the incident in the operating record and will also notify DEHNR's Division of Solid Waste Management within 24 hours. A written report will be filed with the Division within 15 days, and it should include all the information in item 5 above, plus the estimated quantity and disposition of recovered material from the incident.

Fire/Explosion Response Procedures

Emergency procedures to be used in the event of a fire or explosion are as follows:

- 1) The individual who notices the fire or explosion will alert other personnel by voice or a long blast (at least 10 seconds) from an air horn.
- 2) All personnel will stop work and secure their areas of responsibility.
- 3) The emergency coordinator will alert the local fire department and will move public participants to a secure location.
- 4) Personnel will be assigned to contain and halt the fire unless an explosion is possible (in which case the emergency coordinator will call for evacuation). If the fire is chemical in nature or spreads to the chemical waste, personnel will don positive pressure self-contained breathing apparatus. Personnel will fight the fire using fire extinguishers and/or soil and absorbents. Water will generally not be used if the fire is due to the ignition of a flammable liquid, because the water spray could cause spattering or allow the liquid to spread.
- 5) If the fire goes beyond the incipient stage and cannot be controlled with extinguishers, the emergency coordinator will notify appropriate authorities and prepare to evacuate the work area. Personnel will assist local responders when necessary. Such assistance may include helping to evacuate local residents; blocking off storm drains and bering water sources; removing all unnecessary personnel and vehicles from the area; and removing waste material if possible.

- 6) If the fire or explosion is serious enough to affect human health or the environment outside of the facility, the emergency coordinator will immediately contact local authorities and will also notify the National Response center or the government official designated as the on-scene coordinator for the area. This report will include: name and telephone number of the reporter; name, address, and telephone number of the responsible agency for the facility; name, address, and telephone number of the facility; date and time of the incident; type of incident; name and quantities of materials involved; extent of injuries; and possible hazards to human health and the environment.
- 7) Once the fire has been extinguished, then cleanup of the area will commence. During clean-up activities, the emergency coordinator will monitor for leaks, pressure buildup, gas generation, or ruptures in equipment as appropriate. If the fire was chemical in origin or spread to the waste area, all potentially-contaminated cleanup materials will be disposed of as waste.
- 8) Further response to a fire will proceed according to steps 8 through 11 described under the preceding spill response section of this contingency plan.

Procedures for Non-Project-Related Disasters

In the unlikely event of disasters such as floods, tornadoes, earthquakes, and bomb threats, the following procedures will be used:

- 1) The individual noticing the situation will notify other personnel by voice or long blast of an air horn.
- 2) All personnel will stop work and secure their areas of responsibility.
- 3) The emergency coordinator will alert the appropriate authorities and move personnel to a secure location. The affected area will be secured to prevent access.
- 4) If necessary, further procedures will be determined and implemented as appropriate given the specific nature of the emergency.

Evacuation Plans

Whenever there is an emergency incident at the facility, the emergency coordinator will decide if evacuation is necessary. In making this decision, the emergency coordinator will consider various factors, including the following: a) potential for the fire and/or explosion to intensify or spread; b) potential for release of toxic fumes; and c) quantity of released material.

If evacuation of the facility is necessary, personnel will be immediately notified by voice or air horn. The following procedures will then be implemented:

- 1) All personnel will leave the facility as quickly as possible through the nearest exit and proceed directly to a designated assembly area at a safe distance from the facility. All site personnel will be accounted for. If any personnel are missing, attempts to find them will not involve endangering the lives of others. No personnel or vehicles will be allowed to re-enter the facility unless specifically authorized by the emergency coordinator. Normally, the only persons allowed to reenter will be the emergency response personnel.
- 2) After the emergency is over, reentry will not be allowed until the emergency coordinator has determined that the facility is safe and has given appropriate notification to personnel.
- 3) Drills will periodically be held to practice these evacuation procedures and will be treated with the same seriousness as an actual emergency.



State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

August 25, 1991

Mr. William W. Sun
Superintendent II
Environmental Affairs Division
1900 East Club Boulevard
Durham, North Carolina 27704

RE: Household Hazardous Waste Collection Event, City of Durham

Dear Mr. Sun:

As per our phone conversation, I am forwarding a new form which has been developed by the Solid Waste Section for a temporary household hazardous waste identification number. Please fill out the form and return it to my attention.

Upon completion of your collection day, we request that a copy of the manifest be sent to the Section. We hope to create a database of all household hazardous waste activities in the State.

We encourage your efforts. If you have any questions or if we may be of assistance, please contact our office at (919)733-0692.

Sincerely,

A handwritten signature in cursive script that reads "Suzanne Molloy".

Suzanne Molloy
Environmental Engineer
Solid Waste Section

ENCLOSURE

cc: Margaret Babb
Dexter Matthews



CITY OF DURHAM
NORTH CAROLINA

Department of Water Resources

CITY OF MEDICINE

July 8, 1991

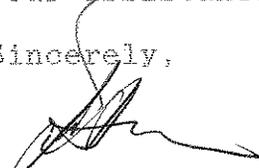
Ms. Margaret S. Babb
Environmental Chemist
Technical Assistance Unit
Hazardous Waste Section
Division of Solid Waste Management
N. C. Department of Health & Natural Resources
P. O. Box 27687
Raleigh, North Carolina 27611-7687

Dear Ms. Babb:

We are planning another one-day Household Hazardous Waste Collection event for the citizens of Durham for this fall. Since no definitive target date has yet been chosen, would it be possible for you to issue us a Provisional I. D. number effective between August 15, 1991 to November 14, 1991 (90 days).

Your assistance is greatly appreciated.

Sincerely,


William W. Sun
Superintendent II
Environmental Affairs Division
1900 East Club Boulevard
Durham, North Carolina 27704

WWS/dg

HHWC_ID.071

RECEIVED

JUL 12 1991

HAZARDOUS WASTE SECTION

101 CITY HALL PLAZA, DURHAM, NORTH CAROLINA 27701
(919) 560-4386

10
11
12

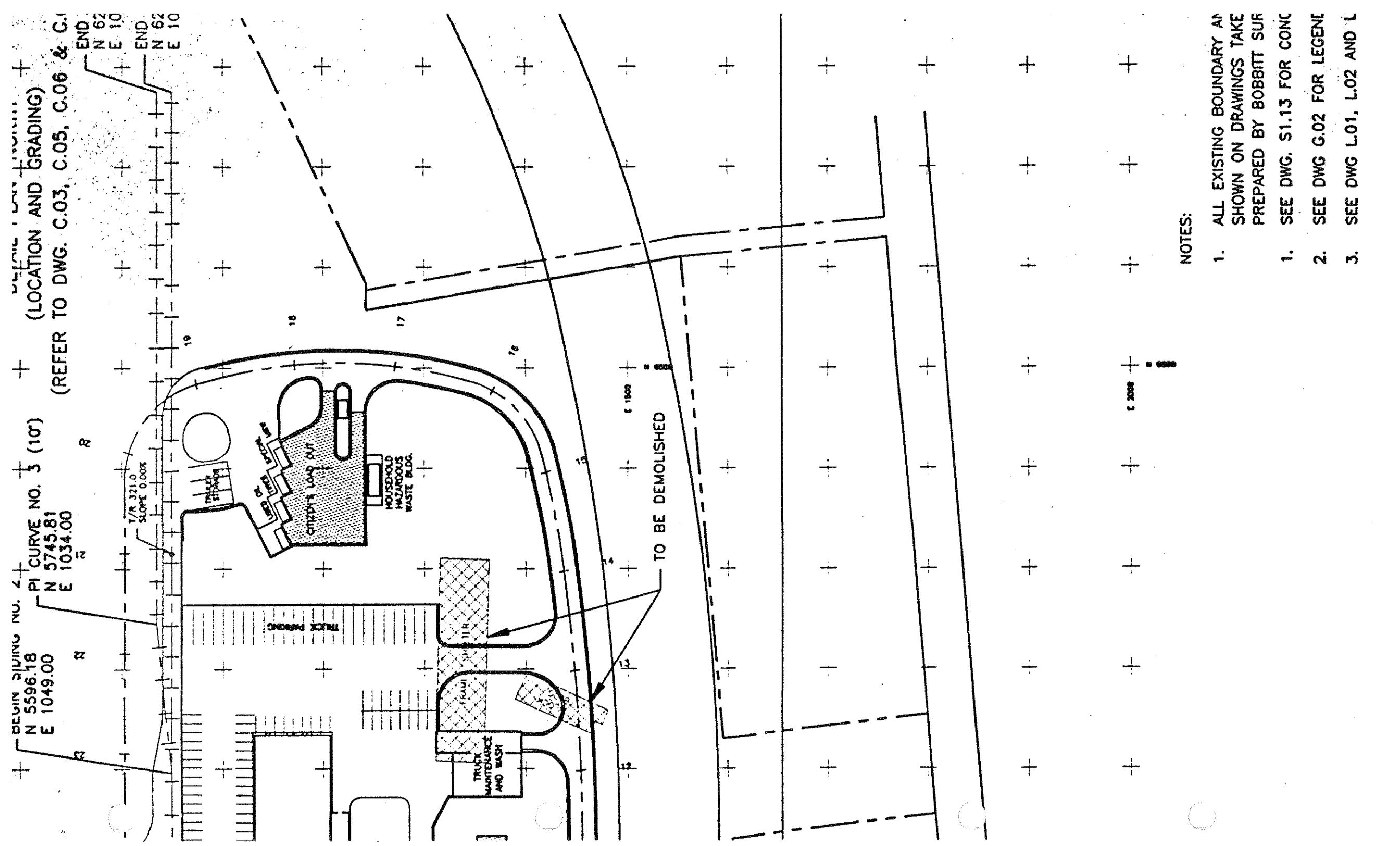


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NOV 1 1964

U.S. DEPARTMENT OF AGRICULTURE





BEGIN SILING NO. 4
 N 5596.18
 E 1049.00
 PI CURVE NO. 3 (10')
 N 5745.81
 E 1034.00

(REFER TO DWG. C.03, C.05, C.06 & C.1)

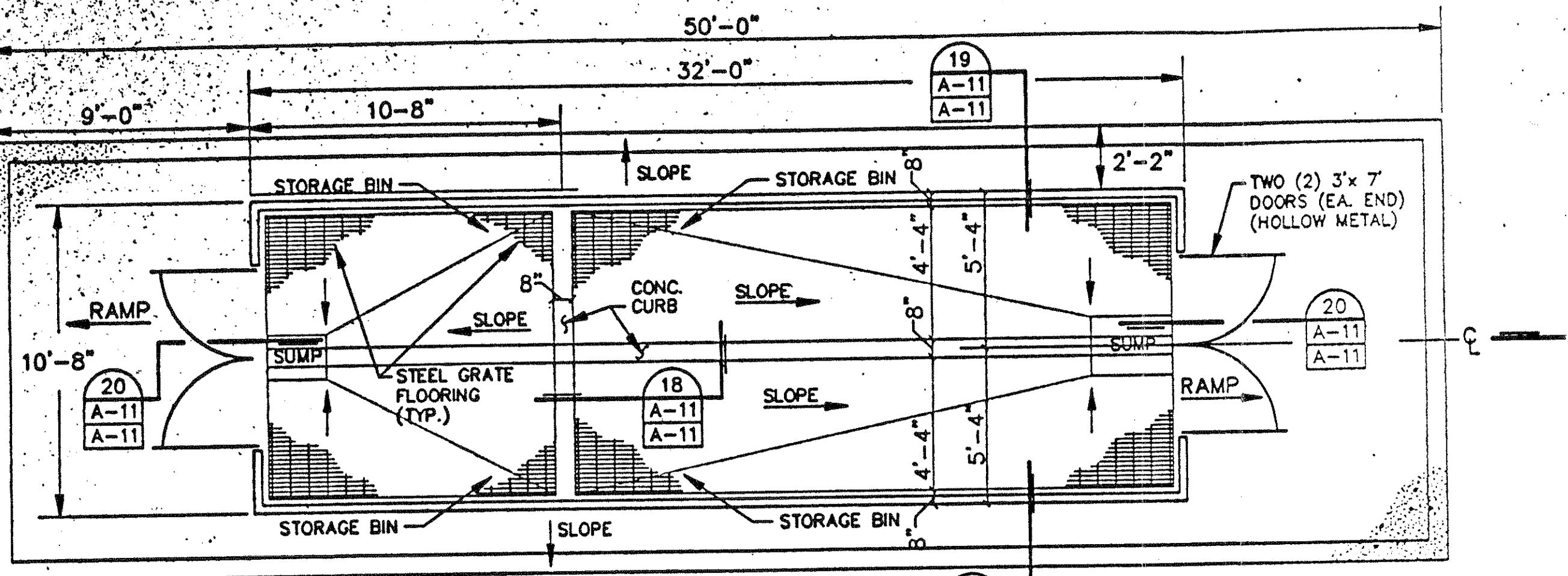
END
 N 62
 E 10
 END
 N 62
 E 10

7/8 321.0
 SLOPE 0.008%

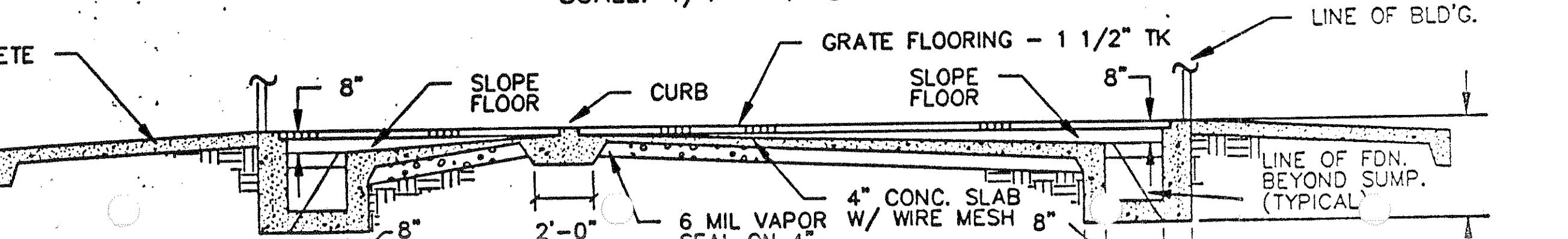
TO BE DEMOLISHED

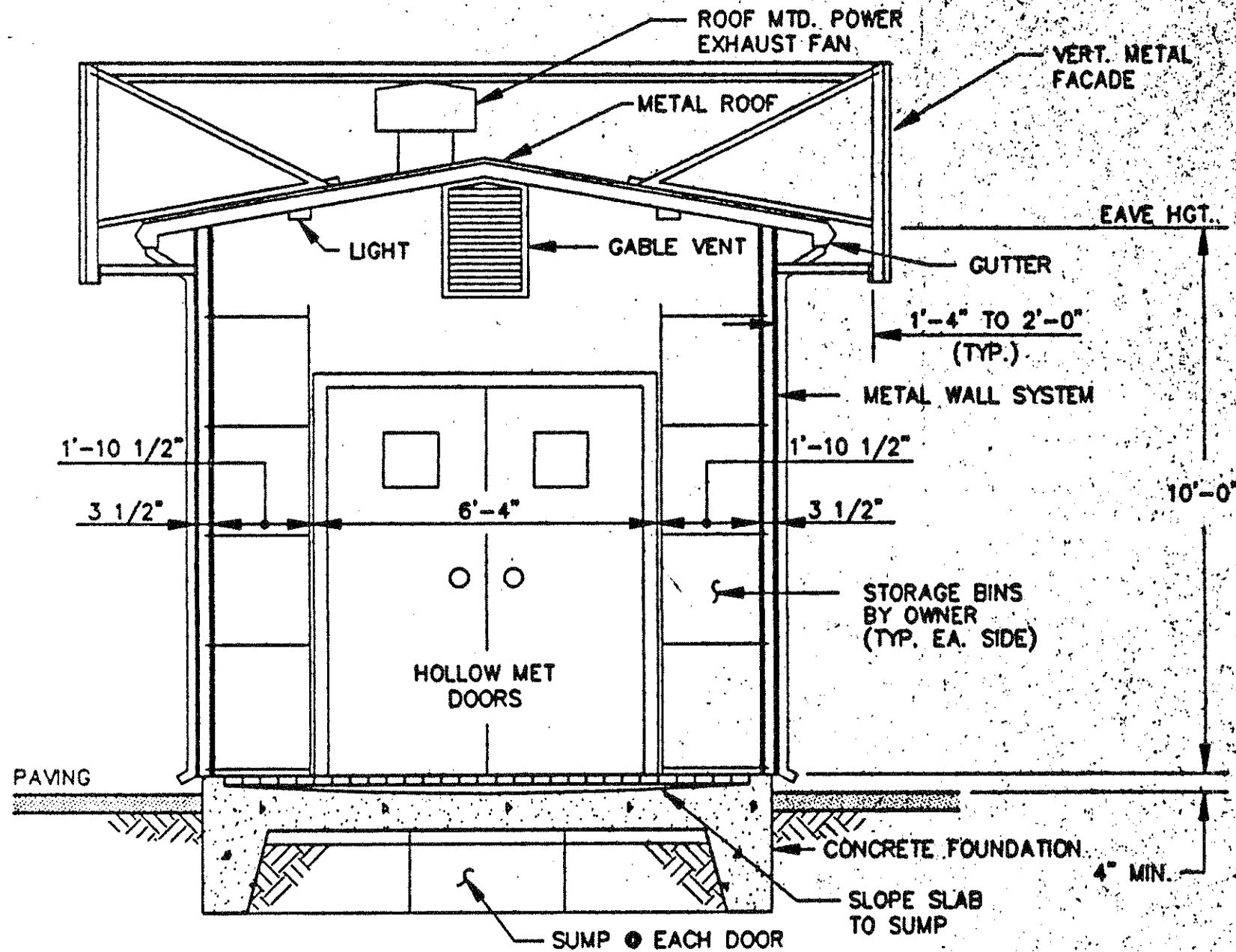
NOTES:

1. ALL EXISTING BOUNDARY AND SHOWN ON DRAWINGS TAKE PREPARED BY BOBBITT SUR
1. SEE DWG. S1.13 FOR CONC
2. SEE DWG G.02 FOR LEGENE
3. SEE DWG L.01, L.02 AND L



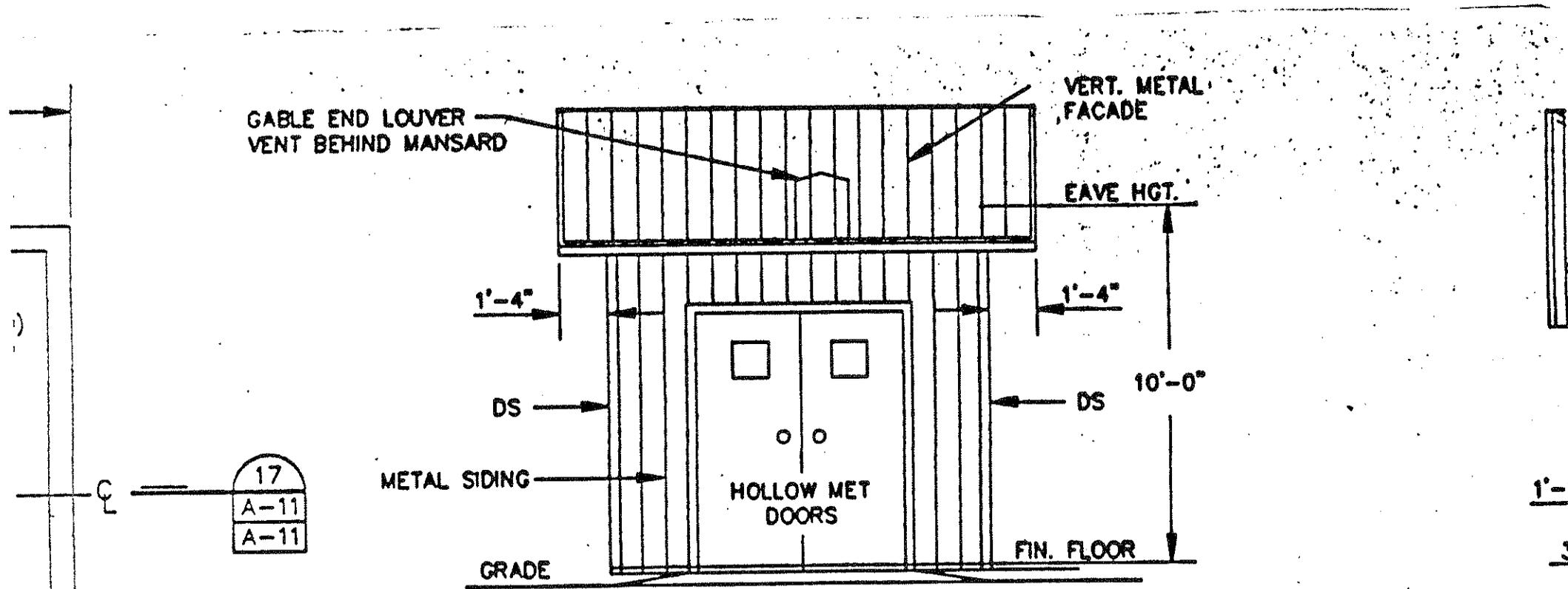
FLOOR PLAN
 SCALE: 1/4" = 1'-0"





BUILDING SECTION

SCALE: 3/8" = 1'-0"



17
 A-11
 A-11

END ELEVATION

SCALE: 1/4" = 1'-0"