File ID Number: HWCB2016451 DEQ/DWM/Hazardous Waste Section

NCD/NCR (other) Number: NCD108706029

Facility Name: Duke Ener Carolinas LLC McGuire Nucl Sta

Address: 12700 Hagers Ferry Rd. **City:** Huntersville

County: Mecklenburg

File Date Range: 12/16/81—7/21/97

Document Type (s)

_____ Inspection Reports

_____ *NOV (See Comments)

_____ * Compliance Orders/Settlement Agreement (See Comments)

*(Provide NOV Type, Docket Number and Date of NOV in Comment Section)

X Correspondence/Letters

_____ Pictures (Tape to a full sheet of paper)

_____ ** Name Change and Date of Change

** (Write Name Change Information in Comment Section)

_____ Sampling Data

_____ Other Information (See Comments)

Comments:

Box ID Number:

Duke Power Company
Universal Waste Pilot Study
July 21, 1997
DRAFT

This document describes how Duke Power Company proposes to manage waste paint and mercury/lead containing devices as universal wastes in a cost effective manner that is protective of human health and the environment.

Cost Effectiveness:

Consolidation of these wastes in a centralized location will lower associated handling and disposal costs. Bulking of these wastes into larger containers will result in a lower per unit disposal/recycling cost. Consolidation of waste paint would result in increased solvent recovery/reuse activities via on-site distillation units. Most small facilities do not currently have distillation capability.

Protection of Human Health and the Environment:

Waste Tracking: All external shipments of universal wastes are documented on a hazardous waste manifest and tracked using Duke's Waste Information Tracking System (WITS). Inquiries of the destination facility are initiated regarding any universal waste shipment that has been outstanding for 20 days, so that the status of any waste shipment will be tracked until the third signature copy of the manifest is returned to the universal waste handling facility.

Environmental Guidance: A five volume set of corporate environmental guidelines ensures consistency across all Duke Power facilities in the implementation of environmental programs. Duke corporate environmental policies are generally more restrictive than state or federal guidelines. Environmental policy is drafted by corporate environmental professionals and reviewed by area managers and site environmental personnel prior to incorporation into the Corporate Environmental Manual. A chapter devoted exclusively to the management of universal wastes can be found in the Corporate Environmental Manual. The management practices mandated in this chapter are more restrictive than the 40 CFR Part 273 regulations, especially in regard to the monitoring of universal waste shipments and training.

Environmental Assessments: Duke Power facilities are routinely assessed to ensure regulatory compliance. These assessments are performed by subject matter experts and evaluate compliance in all major regulatory areas, such as waste management, water protection, air quality and multi-media. Additionally, environmental processes utilized by these facilities are also appraised. Within the waste management section, facilities are formally evaluated with questions dealing specifically with universal waste management. These questions were formulated to ensure compliance with 40 CFR Part 273. Only a facility that maintains a high overall environmental assessment score will be allowed to serve as a consolidation centers for these wastes.

Spill Response: Duke Power maintains a 24 hour, emergency spill response number in the event of a spill during external shipments of universal wastes to destination facilities. Individuals manning this number are familiar with the types and quantities of waste shipped from the various facilities, and possess copies of the shipping documents (hazardous waste manifests). Additionally, Duke Power personnel are trained in spill response and site remediation. All centralized collection centers possess current Spill Prevention, Control, and Countermeasure (SPCC) plans. Duke Power ships during normal working hours and the waste is generally received at the destination facility on the same day as the shipment.

Emergency Preparedness Plans: All centralized collection facilities utilize the emergency preparedness plan as specified in 40 CFR 265 Subpart C. Emergency coordinators have been designated and are trained to respond to any emergency resulting from potential mismanagement of waste.

Training: Persons responsible for collecting, handling, and storing universal wastes will receive initial training in universal waste management and refresher training as needed to maintain proficiency. Additionally, personnel at these centralized locations also receive hazardous waste training which includes: introduction to hazardous waste regulations, waste recognition, 90/180 day storage, satellite accumulation areas, hazardous waste manifesting, movement of on-site hazardous waste, HAZWOPER training. Site personnel have also received DOT shipping, driver and HAZMAT training. Generally, personnel at these centralized locations receive a wide variety of pertinent environmental training. Training modules are developed by area subject matter experts and is disseminated via videos, read packages, computer based training, or instructors. Relevant job aids are also available to assist site personnel.

Duke Power — UWR Pilot Project

	Name	Facility	Phone #
	Linda Culpepper	NC HWS	919/733-2178 ext. 216
via conf. call	Pati Armor	NC DWM	919/733-2178
	Kathy Lawson	NC HWS	919/733-2178 x 229
	JILL BURTON	"	" x 301
	CARL UTTERBACK	"	910/771-4608 x 220
	Keith Masters	"	(704) 251-6208 x226
	Jesse Wells	"	" " " "
	Steve Philips	"	(910) 771-4600 EXT 213
	Brent Burch	"	(704)-663-1699 ext 287
	TODD BLAKE	LAIDLAW	(910) 342-6106
	ELIZABETH STRAYER	LAIDLAW	(704)-587-0181
	Allen Stowe	Duke Power	(704) 875-4655
	Doug Holyfield	NC Hazardous Waste	910-771-4608 x 222

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

(704)875-4000

DUKE POWER

January 5, 1994

Mr. Jerry Rhodes
Department of Environment, Health,
and Natural Resources
Hazardous Waste Section
P.O. Box 27687
Raleigh, N.C. 27611-7687

Subject: Hazardous Waste Management/
Mixed Waste Management/Thimble Cleaning Waste
Satellite Accumulation Area(SAA)

Documented as follows is today's meeting between Duke Power Company McGuire Nuclear Site and the Department of Environment, Health, and Natural Resources-Hazardous Waste Section. This meeting was convened to discuss the management of our thimble cleaning mixed waste satellite accumulation area(SAA). Representing Duke Power Company were: Dave Phillips, Mike Kowalewski, Pam Simpson, Mike Phillips, Robert Sapp, and Mike Ruhe. Representing the Department of Environment, Health, and Natural Resources was Mr. Jesse Wells-Mooresville Office. Based on today's meeting, Mr. Jesse Wells concurs with the current management of the thimble cleaning waste SAA located in Room 818B. Duke Power Company feels that this is the most practical and prudent management practice for the protection of human health and the environment.

The following summarizes today's meeting and subsequent discussions.

Currently, thimble cleaning mixed waste(waste that is both hazardous and radioactive) is being stored in a SAA located near its point of generation. Satellite accumulation of this waste at the point of generation is inconsistent with radiological and technical requirements of an operating nuclear plant. However, due to both radiological and hazardous waste requirements, this waste is controlled more strictly than would a waste or material regulated by any one agency. Additional information contained herein describes our current management of the thimble cleaning waste SAA.

McGuire Nuclear Station is a two unit, pressurized water reactor facility generating electrical power for distribution to the Carolinas. As such, McGuire is licensed by the Nuclear Regulatory Commission (NRC) and is required to comply with the regulations written by the NRC. Periodically, (1/unit/year) a plant system known as the Movable Incore Detection System, or MIDS, requires cleaning to allow McGuire to meet regulatory requirements for MIDS operability.

The cleaning process has been conducted on both units using both acetone and isopropyl alcohol as cleaning solvents. These solvents have been specified by the system manufacturer because they have proven effective in removing blockages in the MIDS. The cleaning process involves filling "thimble tubes" with solvent,

Printed on recycled paper

allowing the thimbles to soak, draining the spent solvent from the thimble tubes into a container, and finally flushing the thimble tubes with water. The flush water is also collected in the same container as is the spent solvent.

The resulting solvent solutions produce a characteristically hazardous waste (isopropyl alcohol/water solution - D001) and a listed hazardous waste (acetone/water solution - F003). The point of generation of these hazardous wastes is located in each reactor building at the 750' elevation in the seal table room. Due to reactor building cleanliness requirements required by the Nuclear Quality Assurance Program and the high levels of radiation associated with this waste, it is not desirable, nor permissible(per the Nuclear Regulatory Commission) to store these wastes at their point of generation. The current storage location for this hazardous waste is at the 750' elevation in Room 818B. Room 818B is located approximately 250' from the Unit 1 seal table room and approximately 300' from the Unit 2 seal table room(points of generation). The resulting hazardous wastes are also radioactively contaminated and are thus classified as mixed waste.

These wastes are regulated by both EPA/NC Department of Environment Health, and Natural Resources, as well as NRC. Since NRC regulations require certain reactor building cleanliness requirements as well as limiting exposure to radioactive materials, the satellite accumulation area has been established in Room 818B. Room 818B is located in the auxiliary building adjacent to the two reactor buildings. This location was chosen based on the high radiation levels on the containers and the need to limit personnel exposure to this waste. Room 818B provides controlled access for personnel performing inspections, and is well shielded with high density concrete. In addition, this area can be locked as required by procedure. 10CFR20.1601 addresses control of access to high radiation areas and requires locking of rooms containing radioactive contaminated material with a radiation level of >100 mr/hr at 30 centimeters from the source, unless using continuous direct or electronic surveillance or another regulatory approved monitoring method.

Room 818B is the first available room which meets the regulatory required limited access requirements. Duke Power Company has further limited access control in an effort to support ALARA (as low as reasonably achievable) principles and protect personnel. System Radiation Protection Manual Directive III-15 takes a more conservative approach by defining "extra high radiation area" as an area where radioactive material with a radiation level of >1000 mr/hr at 30 centimeters from the source is stored. These areas, by procedure, require positive control of access (locking) and continuous surveillance by Radiation Protection personnel for any access. The use of the extra high radiation area designation allows us to have more control over personnel exposure before reaching the very high radiation area requirements in 10CFR20.1602. The acetone/isopropyl alcohol wastes falls into the category of extra high radiation area storage requirements, therefore the locked room is required.

Please contact Mike Kowalewski at (704)875-4315 should you have any further questions.

Mike Kowalewski
McGuire Site
Environmental Management

Mike Ruhe /PRS
Mike Ruhe
Generation Services Department,
Environmental Protection

cc: Jesse Wells-Mooresville Office

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

Do we agree ?
1/24 JR

Duke Power
(704)875-4000
NCD 042 761 29

✓ Jerry
✓ Keith

DUKE POWER

January 5, 1994

Mr. Jerry Rhodes
Department of Environment, Health,
and Natural Resources
Hazardous Waste Section
P.O. Box 27687
Raleigh, N.C. 27611-7687

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Room 818B is the first available room which meets the regulatory required limited access requirements. Duke Power Company has further limited access control in an effort to support ALARA (as low as reasonably achievable) principles and protect personnel. System Radiation Protection Manual Directive III-15 takes a more conservative approach by defining "extra high radiation area" as an area where radioactive material with a radiation level of >1000 mr/hr at 30 centimeters from the source is stored. These areas, by procedure, require positive control of access (locking) and continuous surveillance by Radiation Protection personnel for any access. The use of the extra high radiation area designation allows us to have more control over personnel exposure before reaching the very high radiation area requirements in 10CFR20.1602. The acetone/isopropyl alcohol wastes falls into the category of extra high radiation area storage requirements, therefore the locked room is required.

Please contact Mike Kowalewski at (704)875-4315 should you have any further questions.

Mike Kowalewski
McGuire Site
Environmental Management

Mike Ruhe /PRS
Mike Ruhe
Generation Services Department,
Environmental Protection

cc: Jesse Wells-Mooresville Office

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

SITE SAFETY PLAN (SSP)

I. PRE-ACTIVITY SECTION

(A) Facility name: McGuire Nuclear Station EPA ID# NCD108706029
Address: 12700 Hagers Ferry Road Phone# (704) 875-4000
Contact: David W. Phillips Phone# (704) 875-4633
SSP Prepared By: Amy Crews Baxter Date(s) 4/12/91

(B) Site Visit * Date(s)	Inspection Type (CME, RFA, ETC.)	Checklist ** Modified date(s)	On-Site Safety* Designee
4/11/91 & 4/12/91	CEI	NA	Garland Cloer (NPD)
8/2/89	Follow-up		Randy Cardoso (PSD) Don Crisp (CMD)

* Date(s) before/during field activity.

** Place a double asterisk (**) and date(s) after all modified information, or attach extra page(s).

*** IMPORTANT all activities conducted at RCRA facilities/sites shall require the consent of on-site Safety Designee/Contact.

(C) SITE TOPOGRAPHY: Mountains ____ Rivers ____ Valley ____ Level ✓
Slopes ____ Urban ____ Facility ____ Others ____

Special Access Requirements: Inside the McGuire Protected Area, visitors must be escorted at all times after clearance through Security Personnel Access Portals. To gain access, a picture i.d. and personal information will be needed. To enter radiation areas, further information and a Body Burden will be required.

(D) EMERGENCY INFORMATION

Ambulance: MEDIC Telephone# 911
Hospital: Carolinas Medical Center Telephone# (704) 338-2171
Police: North Carolina Highway Patrol 911
Mecklenburg County Police Telephone# 911
Fire Department Gilead Fire Department 911
Cornelius Fire Department Telephone# 911
Fire and Emergency Signals reviewed ____
Site Evacuation plan reviewed ____

E) INFORMATION SOURCES

Part B: _____ State: _____ * Contingency Plan: Provided

Part A: _____ RFA/I: _____ Closure Plan: _____

*Facility Safety Plan _____ Other: _____

*Request copy of Facility Safety/Contingency Plan for reference.

(F) PERMITS

Hazardous Waste: ✓ Status: _____

Water: ✓ Air: ✓ Other: ✓ Landfill/Landfarm

Summary of Regulated Units and SWMUS:

(Indicate number of units)

Landfills: ✓ Incinerators: _____ Storage areas: 3 (90 Day)

Surface: _____ Tank farms: _____ Other: ✓ Landfarm

Waste Piles: _____ Other Treatment: _____ SWMUS: _____

(G) FACILITY PROCESS DESCRIPTION

Briefly describe the facility production process:

Nuclear power generating facility and support entities.

(H) HEALTH AND SAFETY CONSIDERATIONS

Briefly identify hazard type/potential; describe on last page of section (I) if necessary:

Area of Concern	Hazard Potential (1)
Fire and Explosion	MOD; see attached page *
Oxygen Deficiency (e.g. confined spaces)	None; not applicable in inspection areas
Ionizing Radiation	MOD; see attached page **
Biological	MIN (insect only)

Area of Concern	Hazard Potential (1)
Safety (e.g. falls, slips, trips)	MOD ***
Electrical	MIN; transformers on site
Noise	MOD
Heat or Cold Stress	MIN
Chemical Exposure (2)	MOD

See attached

note 1: Subjective evaluation (e.g., minimum, moderate, high, unknown or not applicable) refer to table (1) of categories and potential risks.

note 2: It is very important that you list all suspected chemical(s) and pathway(s) with sources involved (e.g. using methylene chloride in a degreasing and cleaning process or cyanide salts used in a electroplating process). When referencing sources, it is important that you describe the industrial process within the proximity of your activities (e.g. open vats, confined space, spray booth, etc.) within the facility and/or compound.

(I) Previous Releases, Accidents or Complaints:

		Corrected (yes/no)
Air, Soil, or Surface Water	Yes, Release	See attached
Industrial Accidents	Yes	Yes *
Complaints	Yes OSHA 1990 CMD	Investigation Found No Deficiencies

* Extensive safety program on site for evaluation and corrections.

(J) Air/Environmental Monitoring Program.

Air Monitoring Type (yes/no)	Conducted by	Areas/tasks where needed
Toxic Yes	Facility ✓	Confined spaces
	Contractor	
	Other	
Explosive/ oxygen Yes	Facility ✓	Confined spaces
	Contractor	
	Other	
Radiation Yes	Facility ✓	Inside Radiation Control Area (RCA), routine surveillances conducted by Radiation Protection Group and appropriate posting of areas follows. If a Radiation Control Zone is set up outside RCA, Radiation Protection personnel monitor it as well.
	Contractor	
	Other	

None _____

(if none explain)

(Continuation of Pages 2 and 3) HEALTH AND SAFETY CONSIDERATIONS

* Fire and Explosion hazards are largely low flashpoint waste paint related material or Maintenance shop wastes in the accumulation areas, 90 day storage facilities, or solvent recovery unit area.

** A Mixed Waste Satellite Accumulation Area contains one high (radio)activity waste (acetone), activity largely due to isotopes of Cobalt 58 and 60. These wastes are contained inside an access controlled Radiation Control Zone and also inside a locked Extra High Radiation Area.

*** Normal industrial atmosphere; escort should provide safety and protective equipment instructions.

[SSP.LAT 6/90]

(I) Previous Releases, Accidents or Complaints: (Air, Soil, or Surface Water)

Significant Leaks and Spills

The following is a list of reportable significant spills that occurred in the last 3 years:

1. 10 gallons Hydrazine, 54.4% solution, 18.6# released to atmosphere (3.98 gallons). Incident occurred on 9/1/89.

2. Approximately 1 pound of Hydrazine was released to the Catawba River over a 24 hour period at the same concentration as #1 above. Incident occurred on 11/8/90.

CHEMICAL EXPOSURE

In the 90-Day Storage Areas and Satellite Accumulation Areas associated with McGuire Nuclear Station, the following chemicals may be encountered:

Waste Paint and Thinner

Description
- 1) Waste Codes - D001, F003, and potentially F005
- 2) Chemical Names - Commonly contains Xylene, M1BK, Isopropyl and Toluene (may also contain others).

Sources
- Normal painting operations.

Storage
- Normally in 55 gallon metal DOT 17E/H drums which are kept closed except when additions are being made.

Locations
- Discarded Materials Storage Building (CMD 90-Day storage)
- Satellite Accumulation Areas (outdoors)
- Paint and Coatings Shop (Solvent Recovery Unit)

Waste Oil and Solvent Mixtures

Description
- 1) Waste Codes - Varies - F001, F003, F005, D001, D006, D007, D008, D010, D011
- 2) Chemical Names - 1,1,1 Trichloroethane, Acetone, Toluene, Isopropyl, Varsol, Petroleum Ether, Xylene, MEK, lubricating oils (various)

Sources
- Routine Maintenance shop waste from degreasing and cleaning
- Laboratory waste from oil analysis and associated clean-up

Storage
- Normally in 55 gallon metal DOT 17E/17H drums, Nalgene carboys, or metal safety cans which are all kept closed except when additions are being made.

Locations
- Discarded Materials Storage Building (CMD 90-Day Storage)
- Central Waste Storage Facility (NPD 90-Day Storage)
- PSD 90-Day Storage Building
- Satellite Accumulation in Labs or Shops

Lab Chemicals and Other Chemical Products

Description
- 1) Waste Codes - Varies
- 2) Chemical Names - Varies

Sources
- Chemicals pulled from warehouse or laboratory shelves due to exceedance of expiration date or discontinuance of analysis or process. (Only chemicals we are unable to sell in our surplus program.)

Storage
- Normally in sealed product containers or in Fiber 21C7, 21C16, 21C30 drums or metal 37A5 as necessary (labpacked).

Locations - 90-Day Storage Areas (any of the 3)
- Labs

Batteries

Description - 1) Waste Codes - D009, D006
- 2) Mercury and Nickel Cadmium batteries
  Lead Acid batteries (exclusively for recycle so no applicable waste code)

Sources - Batteries with depleted charge in systems or on shelves are removed during maintenance and preventive maintenance

Storage - Normally single file and single layer on pallets or in Corrosives cabinets.
- May be packed in cardboard and strapped on pallets in 90-day storage areas in preparation for shipment.

Locations - Central Waste Storage Facility (NPD 90-day storage)
- Discarded Materials Storage Building (CMD 90-day storage)

Asbestos

Description - Normally gaskets containing asbestos.

Sources - System maintenance or removed from warehouse shelves in asbestos removal program.

Storage - Asbestos is always double bagged and closed prior to storage; normally bags are placed in the 55 gallon metal drums DOT 17E/H if size is not prohibitive.

Locations - Central Waste Storage Facility (NPD 90-day storage)

Mixed Wastes

Description - 1) Waste Codes - F003, F001, D006, D009
- 2) Chemical Names - a. Waste Acetone
  b. Freon sludge
  c. Freon filters
  d. Grit blast filters (containing cadmium)
  e. Mercuric Thiocyanate

Sources - a. Incore Thimble cleaning
b. Decontamination of equipment
c. Decontamination of equipment
d. Grit blasting process
e. Lab analysis for Chloride

Storage - All are in Satellite Accumulation areas inside the Radiation Control Area of the plant.
- The waste acetone (a) is stored in an "Extra High Radiation Area" which is locked and controlled by our Radiation Protection group. Cobalt (58 and 60) at the $2.55e^{-1}$ microcurie/ml (total) level are the primary radioactive isotopes present in the waste acetone. The radiation dose rates in the general area are 400 millirem/hour. The other mixed wastes are at a much lower level of activity. Dose rates in the general areas are <1 millirem/hour.

Location - All are in the Satellite Accumulation Areas in the Auxiliary Building.

Waste Petroleum Naphtha

Description - 1) Waste Codes - D001, D039
- 2) Waste Petroleum Naphtha (SafetyKleen Solvent)

Sources - Parts washers

Storage - Parts washers; may be in use while inspection underway

Location - Maintenance areas in various locations under NPD, CMD, and PSM (Transportation) departments

Waste Mercury Mercury Compounds

Description - Waste Code - D009

Sources - From Lab analysis, thermometers, or relays and switches from systems.

Storage - Generally in Nalgene containers with lid closed except when additions are being made; or may have inside 55 gallon drums.

Locations - PSD 90-day storage area
- Satellite Accumulation Areas (PSD & NPD)

Waste Acetic Acid

Description - Waste Code - D002

Source - Graphics processing

Storage - Generally in Nalgene containers or plastic drums with lid closed except when additions are being made.

Locations - PSD 90-day storage area
- Satellite Accumulation Area

Waste Methylene Chloride

Description - Waste Code - D002

Source - Lab analysis (extraction)

Storage - Generally in Nalgene containers or plastic drums with lid closed except when additions are being made.

Location - PSD 90-day storage area
- Satellite Accumulation Area

Note 1: Some other (primarily low volume or low toxicity wastes) may be present in these areas during inspections.

Note 2: Some laboratory analysis or degreasing operations may be underway while visiting satellite areas.

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

(704)875-4000

DUKE POWER

February 11, 1993

TO: N.C. State Emergency Response
N.C. Department of Environment, Health, and Natural Resources, Raleigh
N.C. Department of Environment, Health, and Natural Resources, Mooresville
OSHA Area Director
N.C. Division of Emergency Management
N.C. Division of Emergency Management (Area E)
Charlotte Mecklenburg County Emergency Management
Gilead Volunteer Fire Department
Mecklenburg County Police Department
North Mecklenburg Rescue Squad
Carolinas Medical Center
Cornelius Volunteer Fire Department
N.C. Highway Patrol
MEDIC

Subject: McGuire Nuclear Site
Hazardous Waste Contingency Plan

Dear Sir:

Due to a current organizational change within the Environmental Management Group at McGuire Nuclear Site, we have taken a name off of the Emergency Coordinators list. An updated copy is attached.

If you have any questions, please contact Mike Kowalewski at (704) 875-4315.

Yours truly,

D. W. Phillips
McGuire Nuclear Site
Environmental Manager

DWP/MEK/mfh

Attachment

ENCLOSURE 8.4
Duke Power Company
Emergency Coordinators

(Please notify in order listed, if possible)

1) Primary Hazardous Waste Emergency Coordinator: David Phillips
Address: 507 New Castle Court NE, Concord, NC 28025
Telephone (office): 875-4633 Home: 704-788-9759
Onsite Beeper: 291

2) Alternate Hazardous Waste Emergency Coordinator: Pam Simpson
Address: 1661 Glenfurness Drive, Huntersville, NC 28078
Telephone (office): 875-5034 Home: 704-892-9207
Onsite Beeper: 036

3) Alternate Hazardous Waste Emergency Coordinator: Michael Phillips
Address: 5806 Gettysburg Drive, Concord, NC 28027
Telephone (office): 875-4675 Home: 704-788-6689
Onsite Beeper: 264

4) Alternate Hazardous Waste Emergency Coordinator: D. W. Hairston
Address: 3818 Yorkford Drive, Charlotte, NC 28269
Telephone (office): 875-5206 Home: 704-596-0253

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985
(704)875-4000

DUKE POWER

Duke Power
NCD108706029

DEC 1992
Received
Hazardous Waste
Section

December 3, 1992

TO: N.C. State Emergency Response
N.C. Department of Environment, Health, and Natural Resources, Raleigh
N.C. Department of Environment, Health, and Natural Resources, Mooresville
Mecklenburg County Department of Environmental Health
OSHA Area Director
N.C. Division of Emergency Management
N.C. Division of Emergency Management (Area E)
Charlotte Mecklenburg County Emergency Management
Gilead Volunteer Fire Department
Mecklenburg County Police Department
North Mecklenburg Rescue Squad
Carolinas Medical Center
Cornelius Volunteer Fire Department
N.C. Highway Patrol
MEDIC

Subject: McGuire Nuclear Site
Hazardous Waste Contingency Plan

Dear Sir:

The attached document is a revision of the Hazardous Waste Contingency Plan for McGuire Nuclear Site. Please discard any previous versions of this document which your agency has on file and retain this document for your reference in the event of a fire, explosion, or release of hazardous waste or hazardous waste constituents at McGuire Nuclear Site which could threaten human health or the environment. This document should be kept on file.

In the enclosed document, a list of the major hazardous wastes generated by McGuire Nuclear Site has been updated. Also, more complete descriptions of the hazardous waste storage areas and associated evacuation routes have been included.

Yours truly,

D.W. Phillips
Environmental Manager
McGuire Nuclear Site

DWP/MEK/mfh

Attachment

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CHEMISTRY ASSISTANT TECHNICIANS AND SPECIALISTS

Debbie Stranquest 5/6/93
Eric Lowe 5/19/93
Tom Morrow 6/3/93
Mike Essary 5/6/93
Mike Melton 5/6/93
Dianne Deck 5/19/93
Bruce Bailey 5/19/93
Susan Covington 5/12/93
Pete Bynum 5/19/93
Steven Davis 5/27/93
Mark Robinson 5/6/93
Ralph Mummy 5/19/93
Jeff Benson 5/12/93
Terry Stamp 5/19/93
Ray Conrad 5/2/93
James E. Thompson 5/27/93

Wayne Funderburke 6/3/93
Kathy Gindra 5/27/93
Jerry Stultz 6/3/93
Debbie Helms 5/19/93
Bernard Brabham 5/27/93
Ervin Poteat 5/27/93
Gary Nelson 5/12/93
Margaret Barrow 5/6/93
Cindi Barnhill 6/3/93
David Gaddy 5/19/93
Jeff Cage 6/3/93
Robert Moose 5/27/93
Bruce Harwell 5/6/93
Teresa Alligood 5/6/93

Marilyn Byrd 5/12/93
Debbie Connelly 6/3/93
Norma Edwards 6/3/93
Andy Baker 6/3/93
Gerald Roof 5/12/93
Mike Livesay 5/12/93
Hugh Stowe 5/6/93
Milton Cashion 5/12/93
Dean Beaver 5/12/93
Kenny Pierce 5/27/93
Russ Zobel 5/19/93
Doll Rogers 5/27/93
David Haynes 5/12/93
Joe Kegley 5/19/93

Last training 8/92 - 9/92

Region IV CM&E Form - Side A

EPA ID: N C D 1 0 8 7 0 6 0 2 9

Submitted by: _____ Date: _____

Entered by: _____ Date: _____

Facility Name: Duke Power Company (McGuire) City: Huntersville

EVALUATION DATA: New: ✓ Change: __ Delete: __ (——— : Required)

Agency: S Date: Mo. 07 / Day 19 / Year 93 (07 20 93) Type: C E I

Control Number — Data Entry Personnel

Person: 0 2 5 Reason:

Coverage Areas: (E: Evaluated NE: Not Evaluated NA: Not Applic. D:Del.)

Generators

GER		E
GGR		E
GLB		E
GSQ		
GMR		E
GOR		
GPT		E
GRR		E
GSC		

Transporters

TGR		
TMR		
TOR		
TRR		
TWD		

TSD's

DCH		DLB		DPB	
DCL		DLF		DPP	
DCP		DLT		DSI	
DFR		DMC		DTR	
DGS		DMR		DTT	
DGW		DOR		DWP	
DIN		DOT			

Compliance Schedule (TSD, Gen., Trans.)

FEA CAS

Evaluation Comments:

(72) 1 : Facility determined to be in compliance

2 :

VIOLATION DATA: New: __ Change: __ Delete: __

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual ---- / /

Reg. Type: Reg. Description (30):

Comment (72):

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual ---- / /

Reg. Type: Reg. Description (30):

Comment (72):

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual ---- / /

Reg. Type: Reg. Description (30):

Comment (72):

Continue violation data on Side B if necessary -

RCRA INSPECTION REPORT

1) Facility Name: Duke Power McGuire Nuclear Station

ID Number: NCD 108 706 029

Type of facility: Large Quantity Generator

Ownership: Public Utility Company

Contact: Mr. David Phillips

Phone number: (704) 875-4633

Facility location (address): 12700 Hagers Ferry Road

City, state, zip: Huntersville, N.C. 28078-8985

2) Survey Participants: Mr David Phillips, Mr. Mike Phillips, Ms. Pam Simpson, Mr Michal Ruhe, Ms. Ellen Gaddy, Mr Michael Kowalewski, Mr Robin Hedden, Mr. Jesse Wells

3) Date of Inspection: July 19, 20 1993

4) Purpose of Inspection: Announced facility audit to determine compliance with 40 CFR 262, 265 & 268

5) Facility Description:

Processes: Waste primarily generated from facility support groups (ie construction, maintenance, laboratory, nuclear production, etc.

Type Waste: Various lab packs
D001/D018 waste petro. naptha
F003/F005 - solvent & waste solvent wipes
D002/D011 - photographic waste
Radioactive mixed waste [thimble cleaning]

Transporters: Laidlaw MDD 980 554 683
Safety Kleen IND 051 060 408
Duke Power Co. NCD 981 861 438
Allworth ALD 094 476 793

TSD's: Safety Kleen NCD 079 060 059
Laidlaw NCD 000 648 451
Allworth TND 981 920 119

Accumulation areas: 21 satellite accumulation areas

Storage areas: Three ninety day storage areas:
1. Central Waste Storage
2. Island 90 day Storage
3. Discarded Material Storage

Facility Name: Duke Power Co.
ID #: NCD 108 706 029

6) Waste Minimization: Facility has written waste minimization plan in place.
Solvent recovery unit on site for paint thinner waste
Antifreeze recycling.
Developing program to control purchases of material

7) Site Deficiencies:

None noted at the time of the inspection.

8) Recommendations:

Signed:

Inspector/Reviewer

July 20, 1993
Date

Facility Contact 7/20/93

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

SITE SAFETY PLAN (SSP) UPDATE FORM
(Regulated Facility)

(A) Facility Name: McGuire Nuclear Station EPA ID# NCD108706029

Address: 12700 Hagers Ferry Road, Huntersville Phone# (704) 875-4000

Contact: David W. Phillips Phone# (704) 875-4633

Facility Safety Designee: Fred Jarrett

HWS Staff: Jesse W. Wells Date: 7/19/93

(B) REVIEW AND CHANGES

SSP Reviewed: _____ SSP Changed: _____ (1) SSP Unchanged: ✓

Comments: It will take approximately 1 hour to initially access the McGuire Facility, due to NRC Security requirements. A picture I.D. is required for admission. If access into radiation areas is desired, the Facility should be contacted prior to admission so that an evaluation of training qualifications can be made. Training may be required for admission into some areas.

(1) NOTE: Any changes made in the facility process descriptions or health and safety considerations section of the SSP must be shown on a new SSP.

(C) EMERGENCY INFORMATION

Ambulance: MEDIC Telephone# 911

Hospital: Carolinas Medical Center Telephone# 338-2171, 338-2172, 338-2173, 338-2174

Police: N.C. Highway Patrol 911; Mecklenburg County Police Dept. Telephone# 911

Fire Dept.: Gilead Volunteer Fire Dept. Telephone# 911; Cornelius Fire Dept. 911

Fire & Emergency Signals Reviewed: 7/19/93

Site Evacuation Plan Reviewed: 7/19/93

SAFETY OFFICER: David Wellington Phillips DATE: 7/20/93

[UPDATED.SSP/Revised 5/93]

State of North Carolina
Department of Environment, Health, and Natural Resources
512 North Salisbury Street • Raleigh, North Carolina 27604
Division of Solid Waste Management
James B. Hunt, Jr., Governor Telephone 919-733-2178 Jonathan B. Howes, Secretary

June 3, 1993

DUKE POWER MCGUIRE NUCLEAR
12700 HAGERS FERRY ROAD
HUNTERSVILLE NC 28078

RE: EPA ID No.: NCD108706029

Dear Sir:

Based on information received by this office for the site identified with the above EPA ID number, the State has accepted and processed the change in RCRA classification or information for the above listed site.

Your EPA ID number is active.

Current computer record of your facility contains following information:

(X Indicates Operational Status of Your Facility)

X LARGE GENERATOR - SMALL QNTY. GENERATOR
- TRANSPORTER - TREATER
- STORER - DISPOSER

Company Name:	DUKE POWER MCGUIRE NUCLEAR
Owner:	DUKE POWER COMPANY
Owner Address:	PO BOX 1007
City, St.& ZIP:	CHARLOTTE NC 28201
Contact:	PHILLIPS DAVID
Phone Number:	(704)875-4633
Location Addr.:	12700 HAGERS FERRY ROAD
City, St.& ZIP:	HUNTERSVILLE NC 28078

Please verify the above computer information. Please notify us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status, namely Company's Name, Ownership, Address, Contact, or Telephone.
Your EPA ID number is currently active.

Sincerely,

R.J. Edwards III

R.J. Edwards, Administrative Officer
Division of Solid Waste Management

P.O. Box 27687, Raleigh, North Carolina 27611-7687 Telephone 919-733-4984 Fax # 919-733-0513
An Equal Opportunity Affirmative Action Employer

CC: PHILLIP DELP

State of North Carolina
Department of Environment, Health, and Natural Resources
512 North Salisbury Street • Raleigh, North Carolina 27604
Division of Solid Waste Management
James B. Hunt, Jr., Governor Telephone 919-733-2178 Jonathan B. Howes, Secretary

April 30, 1993

DUKE POWER MCGUIRE NUCLEAR
12700 HAGERS FERRY ROAD
HUNTERSVILLE NC 28078

RE: EPA ID No.: NCD108706029

Dear Sir:

Based on information received by this office for the site identified with the above EPA ID number, the State has accepted and processed the change in RCRA classification or information for the above listed site.

Your EPA ID number is active.

Current computer record of your facility contains following information:

(X Indicates Operational Status of Your Facility)

X LARGE GENERATOR - SMALL QNTY. GENERATOR
- TRANSPORTER - TREATER
- STORER - DISPOSER

JUN 1993 ENTERED STATE

Company Name:	DUKE POWER MCGUIRE NUCLEAR
Owner:	DUKE POWER COMPANY
Owner Address:	PO BOX 1007
City, St.& ZIP:	CHARLOTTE NC 28201
Contact:	PHILLIPS DAVID
Phone Number:	(704)875-4633
Location Addr.:	12700 HAGERS FERRY ROAD
City, St.& ZIP:	~~HUNTSVILLE~~ HUNTERSVILLE NC 28078

Please verify the above computer information. Please notify us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status, namely Company's Name, Ownership, Address, Contact, or Telephone.
Your EPA ID number is currently active.

Sincerely,

R. J. Edwards III

R.J. Edwards, Administrative Officer
Division of Solid Waste Management

P.O. Box 27687. Raleigh, North Carolina 27611-7687 Telephone 919-733-4984 Fax # 919-733-0513
An Equal Opportunity Affirmative Action Employer

CC: PHILLIP DELP

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

(704)875-4000

DUKE POWER

May 25, 1993

R. J. Edwards, III
Division of Solid Waste Management
North Carolina Department of Environment, Health, and Natural Resources
Post Office Box 27687
Raleigh, North Carolina 27611-7687

Re: Duke Power Company
McGuire Nuclear Station
NCD108706029

The EPA ID number information update, dated April 30, 1993, appears to have a typographical error. The correction has been noted on the letter from your office. You may also reference the EPA Notification of Regulated Waste Activity submitted to your office dated March 8, 1993.

If you have any questions, please call me at (704) 875-5034. Thank you for your attention to this matter.

Pam Simpson

Pam Simpson
Environmental Management
McGuire Nuclear Site

Enclosure

cc: Andy Tinsley
Dave Phillips

Printed on recycled paper

Company name: Duke Power Co.
EPA ID # NCD 108 706 029
In Compliance: ___ FY ___ FY

FACILITY RATING

KNOWN FACILITY MANAGEMENT

Nature of Waste (from Annual Report)	Score
-Corrosive	1
-Ignitable	2
-Reactive	2
-Toxicity Characteristic	2
-Listed Toxic	2
-Acute (> 50 lbs.)	3
Volume of Waste (tons from Annual Report)	
-<500	1
-500-1000	2
->1000	3
Uniformity, Similarity of Waste Streams	
-<5	1
-5-20	2
->20	3
Reclamation (credit given)	
-Pretreatment for off-site reclamation	-1
-On-site reclamation	-2
Total Score	6

Total Score	Rating
<1 - 8	I
8 - 16	II
>16	III

RISK FACTORS

Site Location	Score
-Residential	3
-Rural	2
-Industrial	1
Emergency Response (credit given)	
-Off-site capabilities	-1
-On-site capabilities	-2
-Advanced applicable equipment	-1
-Familiarity with wastestreams	-1
-Specialized Emergency Training	-2
Area Water Supplies	
-Groundwater	2
-Public	1
Community Makeup (within 1/2 mile)	
-Schools	3
-Residential	3
-Commercial	2
-Industrial	1
-Residential Care/Hospital	3
Facility Conditions (credit given)	
-Adequate facility (well maintained)	-1
-Specialized remodeling	-1
-Enclosed structures	-1
-Secondary containment	-1
-Raw product storage maintenance	-1
Total Score	-4

Total Score	Rating
<1 - -4	I
4 - 8	II
>8	III

OVERALL FACILITY RATING

MATRIX

Facility Rating

		I	II	III
Risk	I	I	I	II
Factors	II	I	II	III
	III	II	III	III

Overall Facility Rating I

Overall Facility Rating

I	No inspection next fiscal year
II	Marginal facility, may be inspected
III	Will be inspected

00589

EPA ID: N|C|0|1|2|8|7|0|6|0|2|9 | Entered by: _____ Date: _____

Facility Name: Duke Power McGuire Nuclear City: Huntersville

EVALUATION DATA: New: __ Change: __ Delete: __ (——— : Required)

Agency: S Date: Mo. 10 / Day 02 / Year 92 Type: CSE

Control Number — Data Entry Personnel

Person: 027 Reason:

Coverage Areas: (E: Evaluated NE: Not Evaluated NA: Not Applic. D:Del.)

Generators		Transporters		TSD's					
GER	✓	TGR		DCH		DLB		DPB	
GGR	✓	TMR		DCL		DLF		DPP	
GLB	✓	TOR		DCP		DLT		DSI	
GLO	✓	TRR		DFR		DMC		DTR	
GMR	✓	TWD		DGS		DMR		DTT	
GOR				DGW		DOR		DWP	
GPT	✓			DIN		DOT			
GRR	✓								
GSC									

Compliance Schedule (TSD, Gen., Trans.)

FEA CAS

Evaluation Comments:

(72) 1 : Generator is in compliance with Docket # 92-429.

2 : Compliance was made with a letter (refer to Inspection report attached)

VIOLATION DATA: New: __ Change: __ Delete: __

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual --- / /

Reg. Type: Reg. Description (30):

Comment (72):

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual --- / /

Reg. Type: Reg. Description (30):

Comment (72):

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual --- / /

Reg. Type: Reg. Description (30):

Comment (72):

Continue violation data on Side B if necessary -

RCRA INSPECTION REPORT

1) Facility Information:

Duke Power McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, N.C. 28078
NCD108706029

2) Facility Contact:

Mr. David Phillips

3) Survey Participants:

NA

4) Date(s) of Inspection:

Letter was sent to Mooresville to comply with the Notice of Violation. Letter was received on 9/29/92.

5) Purpose of the Survey:

To determine compliance with the notice of violation (Docket # 92-429)

6) Facility Description:

No change in description from previous inspection.

7) **Waste Minimization**

8) **Site Deficiencies:**

1) 262.34(a)(4), 265.174 - The seven times where weekly inspections did not occur were in 1991 and early 1992. Since that point, inspections had been documented appropriately. I told representatives of Duke Power to send me a letter stating how these inspections would be properly completed. Duke Power has complied with NOV Docket # 92-429.

9) **Recommendations:**

10) **Signatures:**

Philip Deb
Inspector(s)/Reviewer

Facility Contact

10/2/92
Date(s)

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

(704)875-4000

DUKE POWER

September 22, 1992

Mr. Phillip Delp
N.C. Department of Environment, Health
and Natural Resources
Hazardous Waste Section
919 North Main Street
Mooresville, N.C. 28115

RE: Notice of Violation
Docket # 92-429

Dear Mr. Delp:

On September 17, 1992, Duke Power Company, McGuire Nuclear Station received a Notice of Violation (Docket # 92-429) for not documenting weekly inspection of our 90-Day Storage Area (Central Waste Storage Facility) during seven time periods.

To correct this non-compliance item, the Environmental Management Section has taken over this responsibility. The Environmental Management personnel understand the importance of doing a complete inspection, taking immediate corrective action, and properly documenting each weekly inspection. As an added measure, a calendar has been posted. If an inspection has not been completed by the end of the working day each Thursday, notice will be given to the appropriate personnel to ensure an inspection is completed by the end of the work week.

Should you have any questions, please contact me at (704) 875-4633 or Pam Simpson at (704) 875-5034.

David W. Phillips
Environmental Manager
McGuire Nuclear Station

DWP/mfh
Registered

cc: Ted McMeekin
Gary Gilbert
Pam Simpson
Mike Phillips
Mike Kowalewski
Mark Hollis

Printed on recycled paper

EPA ID: NC0110187960029 | Entered by: _____ Date: _____

Facility Name: Duke Power - McGuire Nuclear Station City: Huntersville

EVALUATION DATA: New: ✓ Change: __ Delete: __ (——— : Required)

Agency: S Date: Mo. 09 / Day 17 / Year 92 (09 17 92) Type: CEI

Control Number — Data Entry Personnel

Person: 027 Reason:

Coverage Areas: (E: Evaluated NE: Not Evaluated NA: Not Applic. D: Del.)

Generators		Transporters		TSD's					
GER	✓	TGR		DCH		DLB		DPB	
GGR	✓	TMR		DCL		DLF		DPP	
GLB	✓	TOR		DCP		DLT		DSI	
GLQ	✓	TRR		DFR		DMC		DTR	
GMR	✓	TWD		DGS		DMR		DTT	
GOR				DGW		DOR		DWP	
GPT	✓			DIN		DOT			
GRR	✓								
GSC									

Compliance Schedule (TSD, Gen., Trans.)

FEA ___ CAS ___

Evaluation Comments: (72) 1 : Announced Violation - Violation Noted

2 :

VIOLATION DATA: New: __ Change: __ Delete: __

#1 Agency: S Type: GRR Date (mdy) Determined: 09 / 17 / 92 Class: 2

Priority: Branch: 01 Person: 027 Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- 09 / 24 / 92 --- Actual --- / /

Reg. Type: SR Reg. Description (30): 262.34(a)(4), 265.174

Comment (72): weekly inspections were not documented for seven time periods.

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual --- / /

Reg. Type: Reg. Description (30):

Comment (72):

#__ Agency: Type: Date (mdy) Determined: / / Class:

Priority: Branch: Person: Seq. Number (Data Entry)

Return to Compliance: -- Scheduled -- / / --- Actual --- / /

Reg. Type: Reg. Description (30):

Comment (72):

Continue violation data on Side B if necessary -

Solid Waste Management Division
Hazardous Waste Section

NOTICE OF VIOLATION

To: Duke Power - McGuire Nuclear Station **Docket #** 92-429
Address: 12700 Rogers Ferry Road - Huntersville, N.C. 28078 **Inspection Date:** 9/17/92
Facility Type: Generator
EPA ID# NCD108706029

On December 18, 1980, the State of North Carolina, Hazardous Waste Section (State) was authorized to operate the State RCRA hazardous waste program under the Solid Waste Management Act (ACT), N.C.G.S. 130A, Article 9 and rules promulgated thereto at 15A NCAC 13A (Rules) in lieu of the federal RCRA program.

On September 17, 1992, Mr. Phillip Dep representing the N.C. Hazardous Waste Section, inspected your facility for compliance with North Carolina Hazardous Waste Management Rules. During that inspection, the following violations were noted:

Specifics

262.34(a)(4), 265.174 weekly inspections were not documented for seven time periods.

You are hereby required to comply with the noted violation(s) by September 24, 1992, at which time a reinspection will be performed. If compliance with the violation(s) noted above are not met, pursuant to N.C.G.S. 130A - 22(a) and 15A NCAC 13B .0701-.0707, an administrative penalty of up to $25,000.00 per day may be assessed for violation of the hazardous waste law or regulations.

9/17/92
(Date)

Phillip Dep
N.C. Hazardous Waste Section

I, Mr. Phillip Dep, hereby certify that I have personally served a copy of this Notice on Mr. David Phillips at Duke Power - McGuire Station on September 17, 1992

David Phillips 9/17/92
(Recipient Signature)

cc: field files
central files
Regional Office

RCRA INSPECTION REPORT

1) Facility Information:

Duke Power
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, N.C. 28078
NCD108706029

2) Facility Contact:

Mr. David Phillips

3) Survey Participants:

Mr. David Phillips
Mr. Michael Phillips
Ms. Pam Simpson
Mr. Mike Kowalewski
Mr. Phillip Dep

4) Date(s) of Inspection:

September 3 and September 17, 1991

5) Purpose of the Survey:

To determine compliance with the RCRA regulations, specifically 40 CFR 262, 265, and 268. (Announced)

6) Facility Description:

The Duke Power McQuire Nuclear Station is a nuclear power generating station along with support groups. The support groups include construction and maintenance dept., production support dept., nuclear production dept., and procurement services and materials dept. In the ~~for~~ future, all these departments will come under one contingency plan (these dept. had seperate contingency plans). The waste streams that are generated are on attachment one. The transporters of the hazardous waste generated are as follows: Duke Power Co. (NCD981861438), Allworth Inc. (ALD044476793), Safety Kleen Corp. (ILD051060408), Laidlaw Environmental Services (SCD987579647), St. Joseph Motor Line (GAD042097261), Diversified Scientific Service Inc. (TND982109142), M and T Drum Co. (SCD981932221), Environmental Services Inc. (Laidlaw). The waste generated are transported to the following facilities: Allworth Inc. (TND981920119), Safety-Kleen Corp. (NCD079060059), Laidlaw Environmental Services (NCD000648451), and SAB Nife (NCD095119210).

7) Waste Minimization

1) Solvent Recovery Unit was bought to recycle thinner.
2) Through training, Duke tries to emphasize segregation of hazardous and non-hazardous waste.
3) ~~Recycle~~ Duke recycles antifreeze.
4) Duke tries to sale/give laboratory chemicals to schools, etc.

8) Site Deficiencies:

262.34(a)(4), ref. 265.174 - weekly inspections were not documented for the following times: between 5/28/91 - 6/18/91, between 7/9/91 - 7/29/91, between 8/21/91 - 9/2/91, between 9/11/91 - 9/24/91, between 12/18/91 - 1/4/92, 1/20/92 - 2/3/92, and 3/26/92 - 4/6/92.

9) Recommendations:

10) Signatures:

Phillip Oda
Inspector(s)/Reviewer

Paul Phillips 9/17/92
Facility Contact

September/17/1992
Date(s)

Attachment One

MNS Site Satellite Accumulation Areas

SAA	Waste Stream	Waste Codes	Process
Garage	Waste Antifreeze	D008	Routine change out from vehicles
Island/Central Fuel Lab	Waste Oil and Solvents	D001	Lab analysis
Island/TTC Media Room	Photographic Waste	D002, D011	Photo processor
Island/Organic Extraction Lab	Waste Methylene Chloride	D001, D002	Lab analysis
Island/Analytical Lab (TOX)	Waste Silver Chromate	D011, D007	Lab analysis
Island/Analytical Support Lab	Waste Mercury	D009	Lab analysis
Island/Auto Analyzer	Waste Mercury Waste Phenol	D009 7777	Lab analysis
Mixed/AA (HOT) Lab	Waste Mercury Grit Filters	D009	Broken Thermometers
Mixed/818B	Waste Acetone Waste Isopropyl Alcohol	F003, D001 D001	Thimble Cleaning
Mixed/Decon Room	Freon Filters Freon Sludge Grit Blast Filters		
*Plant/I&E Shop	Waste Mercury	D009	Level switches, thermometers, wetted relays
Plant/Paint Mix Shack	Waste Paint Still Bottoms	D001, F003	Clean up solvent Solvent recovery unit still bottoms
Plant/Warehouse 5	NiCd Batteries	D006	Waste batteries
Plant/WT Lab	Waste Oil Solvent Waste Oil and Solvent	7777 Varies Varies	Lab Analysis
*Blast Yard	Waste Paint	D001, F003	Painting operations
Complex/Coating Shop	Waste Paint Still Bottoms	D001, F003	Painting operations Solvent recovery unit
Complex/Tool Repair	Waste Oil Waste Oil and Solvents	7777 Varies	Cleaning/Degreasing operations
Medical Facility	Waste Mercury	D009	Thermometers
Light Bulb Crusher (Hot) (Cold)	Waste Light Bulbs	D009	

* No waste currently being stored

✓ Inspection records ✓ annual report ✓ job description ✓ job titles training
✓ manifest

RCRA INSPECTION FIELD NOTES C = copies made; * = violation; P = photos

Facility name: Duke Power McGuire Plant
Address: 12700 Hagers Ferry Station
ID number: NC0108706029
Date: 9/3/92, 9/17 Last inspection: April 11-12, 1992
Type of inspection: CEI
Contact: David Phillips
Present at Inspection: Mr. David Phillips, Ms. Pamela Simpson, Mr. Michael Kowalewski, Mr. Michael Phillips
Waste Generated: See attached

Transporters: See attached TSD's: See attached

Manifests: OK

Signed copies: OK
Treatment Standards: OK
Inspection Records: 3/26/92 - 4/6/92; 1/20/92 - 2/3/92; 12/18/91 - 1/4/92
9/11/91 - 9/24/91; 8/21/91 - 9/2/91; 7/9/91 - 7/29/91; 6/26/91 - 6/18/91
Contingency Plan: OK

actions for spill/fire: ✓
agreements with emergency management: ✓
name, address, phone for em coords: ✓
emergency equip/location/alarms: ✓
evacuation plan/signals/primary/secondary: ✓
em coords updated? ✓ No
reports on use of conting plan? ✓
Training Records: OK

Last training: various dates
Job Title: OK
Job description: OK
Content: OK
Sign-off: OK
em coords and appropriate personnel trained? OK
Annual Report: OK
Waste Analysis: NA
Accumulation areas: OK

Storage Area: OK

Notes:

Do they have

MF = 91050 Site on Duke Power - Toddsville

several thousand employees - major reorganization effective Nov. 1

- still 3-90 storage

-

- Manifests
- Training

Transports

Duke Power Co.
(NCD 981 861 438)

Allworth Inc
(ALD 094476743)

Safety Kleen Corp.
(ILD 051060408)

Laidlaw Environmental Services
(SCD 987574647)

St. Joseph Motor Lines
(GAD042097261)

Diversified Scientific Services, Inc.
(TND982109142)

M and T Drum Co.
(SCD 981932221)

Environmental Services Inc. (Laidlaw)
(MOD980554653)

~~Laidlaw Environmental Service~~

TSDF

Allworth, Inc.
(TND981920114)

Safety-Kleen Corp.
(NCD079060057)

Laidlaw Environmental Services
(NCD000648451)

SAB Nite
(NCD095119210)

MF = 91086 Line Item B 12a, 13b.

Job Titles ~~- Chemistry~~ and Training

✓ (1) Doug Trieca - Scientist

✓ (2) Gary Barker - Alte. E.C.

✓ (3) See Attachment One for chemistry Supervisor or ~~Staff~~ Scientist

✓ (4) Nuclear Chemistry Specialis, Technician, Assistant
See Attachment 2

✓ (5) David Phillip - Environmental Manager

✓ (6) Environmental Management - See Attachment 3

✓ (7) Maintenance Shift Supervisor - See Attachment 4

✓ (8) Maintenance Specialist, Technicians, Ass. Techs. - See Attachment 5

✓ (9) Commodities and Facilities Personnel - work 40 day Storage area - ~~See Attachment 6~~ Don Loftin, David Kiser
Attachment 7

(10) ✓ - Operation Shift Supervisor → Same (Attachment 8)
✓ - Fire Brigade

(11) ✓ - Environmental Emergency Response Team (Attachment 9)

(12) ✓ - Scientist - ~~Keith Siper~~ Dennis Hairston

(13) ✓ - Supervising Scientist Jay Perkins

(14) ✓ - Lab Service Manager Keith Siper

(15) ✓ - ~~Environmental~~ Lab Personal - (see attachment 10)
Joe Fitzgerald
Bob Bagus
Mike Hildebrand

Hot side

V~~B~~5~~1~~824

Decon Room (4 areas)

Chem equipment
- Freon Filter
- Freon Sludge

Clean parts
- Grip Blast
- Grip Blast Filter

} oil accumulation

Next to Decon Room

Light Bulb Crusher (Mercury)

Waste from Hot side is used in cleaning not parts

Laboratory

Lab waste (Oil/solvent, Mercury - thermometers, Chloroform)
4 bottles or containers

Room 818B / Evaporator Concentration Batch Room

Acetone and Alcohol (accumulation)
35 gallon/5 3/~~18~~4 gallon

Warehouse 5

Nickel Cadmium Batteries (accumulation)

Hazardous waste check

WT Lab

~~2 0 0~~ 1 - 5 gallon - ~~diesel~~ and solvent
1 - 2 gallon - solvent

I and E Cage

Light bulb crusher (~~B009~~) accumulation

90 day – Central Waste Storage Facility

- Waste Grease (D008) 1 drum

- 90 day Island / Production Support

No hazardous

- Inspections Look good at Island

90 day / Discarded Materials Storage Building

30 - 1 - Photographic waste (D002, D011)

30 - 1 - Mercury Waste

55 - 2 - Mercury Waste

55 - 1 - aerosol Cans

55 - 1 - Paint Waste (F003)(D001)

~~55~~

2 - Filters (D003)

55 - 1 - Methylene Chloride/Acetone

In between these ~~dates~~ two of inspection were gaps.

Inspection records

3/26/92 - 4/6/92

1/20/92 - 2/3/92

12/18/91 - 1/4/92

9/11/91 - 9/24/91

8/21/91 - 9/2/91

7/9/91 - 7/29/91

5/28/91 - 6/18/91

* - Ask about satellite areas in main building if they are required to have evacuation route for this.

~~Chemistry~~

Support Lab

2 - Mercury Waste (D009) (D002)

1 - 55 gallon - Oil / Solvent

1 - Methylene Chloride / Acetone 55 gallon

1 - Freon Waste / Pentane / oil
Oil Solvent / Acetone
Mercury Waste

Training center

1 - 55 gallon Photographic waste (D011)

Maintance Building

55 - 1 - D001, F013? / Waste Oil and Solvents

55 - 1 - (D001, F003, F005) - Waste Paint Material

Garage

1 - 55 - gallon - Antifreeze - D008

I. General Information

The Construction and Maintenance Department - Northern Division (CMD-N) is located at the McGuire Nuclear Station just off Highway 73 in Mecklenburg County. CMD-North is a generator of hazardous waste through routine maintenance operations such as painting and machine parts washing. This Contingency Plan has been developed for the CMD-North location in case of a hazardous waste leak, spill or fire.

The McGuire site has a generator identification number of NCD 108 706 029 from the United States Environmental Protection Agency and the North Carolina Department of Natural Resources. This number allows CMD-North to:

a. Store hazardous waste on-site for less than 90 days;

b. Offer hazardous waste for transport by a properly permitted transporter; and

c. Offer hazardous waste for treatment and/or disposal by a properly permitted facility.

Hazardous wastes are stored on-site in the Discarded Materials Storage Building (90-day storage area) and in various satellite accumulation areas. The site plan showing these locations can be found in the Appendix.

Hazardous wastes generated on-site are usually waste paint and thinners and a waste oil/solvent mixture. Each drum is labeled as: RQ Waste Paint Related Material, NA1263, (F003, F005, D001), Flammable Liquid, or RQ Waste Flammable Liquid, UN 1993, (D001), Flammable Liquid, respectively.

Petroleum Naphtha is used as a degreaser for small machine parts. Safety-Kleen services these units approximately every two months. These parts washers can be found in the Tool Repair Shop.

The hazards associated with these wastes are flammability. Routes of entry into the body include the eyes, skin, ingestion and inhalation. If waste contacts eyes or skin, remove contaminated clothing and wash affected ares throughly. If inhalation exposure occurs, remove victim away from the source and into fresh air. If victims condition persist, seek medical assistance. If waste is ingested, contact the medical facility at once.

ENCLOSURE 5.0

GENERATION SERVICES DEPARTMENT

HAZARDOUS WASTE GENERATED IN 1990

DOT NAME/ HAZARD CLASS/ ID NUMBER	DOT ERG #	EPA WASTE CODE #	HEALTH HAZARD INFORMATION (FROM APPLICABLE DOT EMERGENCY RESPONSE GUIDE)
WASTE POISON B LIQUID, N.O.S. POISON B, UN 2810	55	D009	POISONOUS; MAY BE FATAL IF INHALED. SWALLOWED OR ABSORBED THROUGH SKIN. CONTACT MAY CAUSE BURNS TO SKIN AND EYES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY GIVE OFF POISONOUS GASES OR CAUSE WATER POLLUTION. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.
WASTE POISON B LIQUID, N.O.S. POISON B, U188	55	U188	POISONOUS; MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. CONTACT MAY CAUSE BURNS TO SKIN AND EYES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY GIVE OFF POISONOUS GASES OR CAUSE WATER POLLUTION. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.
WASTE FLAMMABLE LIQUID, N.O.S. FLAMMABLE LIQUID, UN1993	27	D001	MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN. VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION. CONTACT MAY IRRITATE OR BURN SKIN AND EYES. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.
WASTE CORROSIVE LIQUID, N.O.S. CORROSIVE LIQUID, UN 1760	60	D002 D011	CONTACT CAUSES BURNS TO SKIN AND EYES. IF INHALED, MAY BE HARMFUL. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.
WASTE ALKALINE LIQUID, N.O.S. CORROSIVE MATERIAL, NA 1719	60	D002	CONTACT CAUSES BURNS TO SKIN AND EYES. IF INHALED, MAY BE HARMFUL. FIRE MAY PRODUCE IRRITATION OR POISONOUS GASES.

ENCLOSURE 5.0 CONTINUED

GENERATION SERVICES DEPARTMENT

HAZARDOUS WASTE GENERATED IN 1990

DOT NAME/ HAZARD CLASS/ ID NUMBER	DOT ERG #	EPA WASTE CODE #	HEALTH HAZARD INFORMATION (FROM APPLICABLE DOT EMERGENCY RESPONSE GUIDE)
WASTE ORM-A N.O.S. ORM-A, NA 1693	58	6666	INHALATION OF VAPOR OR DUST IS EXTREMELY IRRITATING. MAY CAUSE BURNING OF EYES AND FLOW OF TEARS. MAY CAUSE COUGHING, DIFFICULT BREATHING AND NAUSEA. BRIEF EXPOSURE EFFECTS LAST ONLY A FEW MINUTES. EXPOSURE IN AN ENCLOSED AREA MAY BE VERY HARMFUL. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

Enclosure 7
Hazardous Wastes (>1000 lbs) Generated by McGuire Nuclear Station
Nuclear Production Department in 1990
(Examples of Types of Hazardous Waste Generated)

DOT NAME/ HAZARD CLASS/ ID NUMBER	APPROX. AMT GENERATED IN 1990	DOT ERG #	EPA WASTE CODE #	HEALTH HAZARD INFORMATION (FROM APPLICABLE DOT EMERGENCY RESPONSE GUIDE)
Waste Flammable Liquid, N.O.S., Flammable Liquid UN1993	1391 P	27	Varies (D001, F003, F001, F005, D006, D018)	May be poisonous if inhaled or absorbed through skin. Vapors may cause dizziness or suffocation. Contact may irritate or burn skin and eyes. Fire may produce irritating or poisonous gases.
Waste Combustible Liquid, N.O.S., Combustible Liquid NA1993	2950 P	27	Varies (D001, D018)	May be poisonous if inhaled or absorbed through skin. Vapors may cause dizziness or suffocation. Contact may irritate or burn skin and eyes. Fire may produce irritating or poisonous gases.
Waste Petroleum Naptha, Combustible Liquid UN1255	3669 P	27	D001, D039	May be poisonous if inhaled or absorbed through skin. Vapors may cause dizziness or suffocation. Contact may irritate or burn skin and eyes. Fire may produce irritating or poisonous gases.
Hazardous Waste Liquid, N.O.S., ORM-E NA9189	1686 P	31	Varies (F001, D004) (F002, D006, D007, D008, U107)	Contact may cause burns to skin and eyes. Fire may produce irritating or poisonous gases.
Waste Battery, Electric Storage, Wet, Filled with Alkali, Corrosive Material UN2795	3540 P	60	D002 D006	Contact causes burns to skin and eyes. If inhaled, may be harmful. Fire may produce irritating or poisonous gases.
Waste Acid, Liquid, N.O.S., Corrosive Material NA1760	23000 P	60	D006, D007, D008	Contact causes burns to skin and eyes. If inhaled, may be harmful. Fire may produce irritating or poisonous gases.

Enclosure 7
Hazardous Wastes (<1000 lbs) Generated by McGuire Nuclear Station
Nuclear Production Department in 1990
(Examples of Types of Hazardous Waste Generated)

DOT NAME/ HAZARD CLASS ID NUMBER	APPROX. AMT GENERATED IN 1990	DOT ERG #	EPA WASTE CODE #	HEALTH HAZARD INFORMATION (FROM APPLICABLE DOT EMERGENCY RESPONSE GUIDE)
Waste Compressed Gas, N.O.S., Flammable Gas UN1954	39 P	22	Varies (D001, U226)	Vapors may cause dizziness or suffocation. Contact will cause severe frostbite. Fire may produce irritating or poisonous gases.
Hazardous Waste Solid, N.O.S., ORM-E NA 9189	161 P	31	Varies (D003, D006, D007, D008, D009)	Contact may cause burns to skin and eyes. Fire may produce irritating or poisonous gases.
Waste Oxidizer, Corrosive Liquid, Oxidizer NA 9193	6 P	45	D001, D012, D007	If inhaled, may be harmful. Contact may cause burns to skin and eyes. Fire may produce iritating or poisonous gases.
Waste Paint Related Material Flammable Liquid NA1263	* 550 P	26	D001, F003, F005	May be poisonous if inhaled or absorbed through skin. Vapors may cause dizziness or suffocation. Contact may irritate or burn skin and eyes. Fire may produce irritating or poisonous gases.
Waste Poison B Liquid, N.O.S. Poison B UN2810	9 P	55	D009	Poisonous; may be fatal if inhaled, swallowed or absorbed through skin. Contact may cause burns to skin and eyes. Runoff from fire control or dilution water may give off poisonous gases or cause water pollution. Fire may produce irritating or poisonous gases.
Waste Mercury Compound Solid, Poison B UN2025	12 P	53	D009	Poisonous if swallowed. Inhalation of dust poisonous. Fire may produce irritating or poisonous gases.

DOT NAME/ HAZARD CLASS ID NUMBER	APPROX. AMT GENERATED IN 1990	DOT ERG #	EPA WASTE CODE #	HEALTH HAZARD INFORMATION (FROM APPLICABLE DOT EMERGENCY RESPONSE GUIDE)
Waste ORM-A, N.O.S., ORM-A NA1693	25 P	58	U226	Inhalation of vapor or dust is extremely irritating. May cause burning of eyes and flow of tears. May cause coughing, difficult breathing and nausea. Brief exposure effects last only a few minutes. Exposure in an enclosed area may be very harmful.
Waste Battery Fluid, Alkali, Corrosive Material UN2797	8 P	60	D002	Contact causes burns to skin and eyes. If inhaled, may be harmful. Fire may produce irritating or poisonous gases.
Waste Mercury, Metallic ORM-B NA2809	656 P	60	D009	Contact causes burns to skin and eyes. If inhaled, may be harmful. Fire may produce irritating or poisonous gases.

F003 acetone
D007 waste phenol lab reagent
D042

D002/D011 photographic process

D001/D018 waste petro naptha

D001/ waste oil & solvent mixture

paint solvent/distilled on-site
solvent distillation

DSSI = disposal of = tubes
(D001 mixed waste isopropyl)

Mike Phillips

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

(704)875-4000

DUKE POWER

N. C. DEPT. OF NATURAL
RESOURCES AND
COMMUNITY DEVELOPMENT

DEC 1 7 1992

DIVISION OF ENVIRONMENTAL MANAGEMENT
MOORESVILLE REGIONAL OFFICE

December 3, 1992

TO: N.C. State Emergency Response
N.C. Department of Environment, Health, and Natural Resources, Raleigh
N.C. Department of Environment, Health, and Natural Resources, Mooresville
Mecklenburg County Department of Environmental Health
OSHA Area Director
N.C. Division of Emergency Management
N.C. Division of Emergency Management (Area E)
Charlotte Mecklenburg County Emergency Management
Gilead Volunteer Fire Department
Mecklenburg County Police Department
North Mecklenburg Rescue Squad
Carolinas Medical Center
Cornelius Volunteer Fire Department
N.C. Highway Patrol
MEDIC

Subject: McGuire Nuclear Site
Hazardous Waste Contingency Plan

Dear Sir:

The attached document is a revision of the Hazardous Waste Contingency Plan for McGuire Nuclear Site. Please discard any previous versions of this document which your agency has on file and retain this document for your reference in the event of a fire, explosion, or release of hazardous waste or hazardous waste constituents at McGuire Nuclear Site which could threaten human health or the environment. This document should be kept on file.

In the enclosed document, a list of the major hazardous wastes generated by McGuire Nuclear Site has been updated. Also, more complete descriptions of the hazardous waste storage areas and associated evacuation routes have been included.

Yours truly,

D.W. Phillips
Environmental Manager
McGuire Nuclear Site

DWP/MEK/mfh

Attachment

Printed on recycled paper

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
SOLID WASTE MANAGEMENT DIVISION
P.O. BOX 27687 RALEIGH, NORTH CAROLINA 27611-7687
401 OBERLIN ROAD

DOCKET #

INSPECTION AND EVALUATION REPORT

EPA ID# NCD108706029 FACILITY NAME: DUKE POWER McGUIRE NUCLEAR STATION

ADDRESS: N.C. HWY 73 CITY: HUNTERSVILLE NC

NEW: ✓ UPDATE: ___ DATE OF INITIAL EVALUATION: 4-11-91 STAFF ID: 21

RESPONSIBLE AGENCY S S = STATE ___ E = EPA ___ X = OVERSITE ___ O OTHER

TYPE OF EVALUATION COVERED BY THIS REPORT: ENTER ONE 1

1= COMPLIANCE EVAL. INSP. (CEI)
2= SAMPLING INSPECTION
3= RECORD REVIEW
4= COMP. GWM EVAL. (CME)
5= COMPLIANCE SCHED. (FOLLOW UP)
6= CITIZEN COMPLAINT
7= PART B CALL - IN
8= WITHDRAWAL CAND.
9= CLOSED FACILITY
10= GENERAL
11- CASE DEVELOPMENT
80= INFORMAL MEETING

DATE OF EVALUATION COVERED BY THIS REPORT: 4-11-91

CLASS OF VIOLATION — VIOLATIONS/RELEASES

CLASS	GWM	O/CP	FIN	PTB	CMPD/SCH	MNFST	LB	OT	WM
I						0	0	0	0
II						0	X	X	0
ACCEPTABLE CODES	X S Z O N	X S Z O N	X S Z O I* B* N	X S Z O N	X S Z O O B N	X S Z O N	X S Z O N	X S Z O	X S Z O

KEY
X = VIOLATIONS 0 = NO VIOLATION Z = PENDING
B = VIOL. & SPECIALITY S = SAME VIOL./SPEC.
SPECIALTIES I = NO INSURANCE ONLY O = OA SCHED. VIOL.
N = NPV VIOLATIONS PRESENT * CLASS I ONLY

ENFORCEMENT ACTIONS: (AREA OF VIOL./RISK: GW, CP, PR, PB, CS, MA, OT, LB, OR AA

CLASS	AREA OF VIOL.	TYPE CODE	DATE ACTION TAKEN	COMPLIANCE DATES SCHED.	COMPLIANCE DATES ACTUAL	PENALTY ASSES.	PENALTY COLL.	RESP AG.

CODES FOR TYPES OF ENFORCEMENT ACTIONS:
03 = WARNING LETTER/NOV
04 = ADMIN. COMPLAINT
05 = FINAL ADMIN. ORDER
10 = INFORMAL
11 = FILED CIVIL ACTION
12 = FILED CRIMINAL ACTION
13 = CIVIL REFERRAL TO AG
90 = HEARING

COMMENTS: ANNOUNCED FACILITY AUDIT - VIOLATIONS NOTED

(Inspector)

RCRA INSPECTION REPORT

1) **FACILITY INFORMATION**
DUKE POWER MCGUIRE NUCLEAR STATION
POST OFFICE BOX 488
CORNELIUS, NORTH CAROLINA 28031
NCD108706029

2) **FACILITY CONTACT**
MR. DAVID PHILLIPS, ENVIRONMENTAL COMPLIANCE COORDINATOR
(704) 875-4633

3) **SURVEY PARTICIPANTS**
MR. DAVID PHILLIPS, NPD
MRS. AMY BAXTER, NPD
MRS. PAM SIMPSON, CMD
MR. LOUIS LEE, PSD
MR. LARRY EVANS, NUCLEAR SUPPORT

4) **DATE OF INSPECTION**
THURSDAY, APRIL 11, 1991 AND FRIDAY, APRIL 12, 1991

5) **PURPOSE OF SURVEY**
ANNOUNCED FACILITY AUDIT IN ORDER TO DETERMINE RCRA COMPLIANCE SPECIFICALLY PARTS 262, 265 AND 268 GENERATOR STANDARDS.

6) **FACILITY DESCRIPTION**
THE DUKE POWER MCGUIRE NUCLEAR STATION LOCATED IN COWANS FORD IS A NUCLEAR POWER GENERATING STATION AND SUPPORT GROUPS CONSISTING OF THE CONSTRUCTION AND MAINTENANCE DEPT. (CMD), PRODUCTION SUPPORT DEPARTMENT (PSD), NUCLEAR PRODUCTION DEPT (NPD), AND THE PROCUREMENT SERVICES & MATERIALS DEPT (PSM). THE HAZARDOUS WASTES GENERATED CONSISTS OF PAINT AND PAINT RELATED MATERIALS, WASTE SOLVENTS, STILL BOTTOMS FROM DISTILLATION OPERATIONS, DISCARDED CHEMICALS, LABORATORY WASTES AND LAB PACKS FROM ANALYTICAL PROCEDURES, WASTE PETROLEUM NAPHTHA, DISCARDED MERCURY AND NICKEL CADMIUM BATTERIES, COMPRESSED IGNITABLE GASES AND RADIOACTIVE MIXED WASTES. ALL WASTES ARE GENERATED AND EITHER ACCUMULATED IN SATELLITE AREAS (14) OR IN ONE OF THREE 90 DAY STORAGE AREAS LOCATED ON SITE. CURRENTLY ALL MIXED WASTES ARE BEING ACCUMULATED ON-SITE.

DH324

7) **Waste Minimization**

SURPLUSING DISCARDED OBSOLETE CHEMICALS,
RECYCLING SOLVENTS BY MEANS OF ONE SOLVENT DISTILLATION UNIT & BY USING SAFETY KLEEN CORP. LEAD ACID BATTERIES, MERCURY AND NICKEL CADMIUM

8) **Site Deficiencies**

262.34 (a)(2) ACCUMULATION DATE CLEARLY MARKED ON CONTAINER
(a)(3) "HAZ. WASTE" " " " CORRECTED 4/11/91
DISCARDED MATERIALS BUILDING – SEE PHOTOGRAPH

262.11 (a)(b)(c) WASTE DETERMINATION NEEDED FOR PAINT BOOTH FILTERS

262.34 (a)(4) REFERENCED

265.37(a)(1) ~~[illegible]~~, PROPERTIES OF HAZ. WASTE AND ASSOCIATED HAZARDS. FOR PSD AND ~~[illegible]~~

265.52(c) ARRANGEMENT AGREED TO BY LOCAL AGENCIES NEEDED FOR PSD

265.52(d) EMERGENCY COORDINATOR INFORMATION ADDRESSES FOR PSD, CMD ~~[illegible]~~.

265.52(e) EMERGENCY EQUIPMENT AND SPECIFIC LOCATIONS SHOW TO ALSO INCLUDE EYEWASH AND SHOWERS FOR CMD, PSD
COMM. EQUIP. + ALARMS ALSO NEEDED

265.52(f) EVACUATION PLAN MUST DESCRIBE SIGNALS USED FOR THE EVACUATION ~~[illegible]~~ PSD.

265.53(b) CONTINGENCY PLAN SUBMITTED TO LOCAL DEPT. PSD ONLY

9) ~~[illegible]~~

268.7(a)(1) LAND DISPOSAL NOTIFICATIONS MUST INCLUDE MANIFEST #, TREATMENT STANDARDS. WW/NWW AND APPROPRIATE WASTE CODES AND CORRESPONDING TREATMENT STANDARDS. CMD AND NPD.

* NOTE – TRAINING RECORDS FOR BOTH PSD AND NPD WERE NOT AVAILABLE FOR REVIEW. (CERTAIN RECORDS)

10) **Signed**

Inspector/Reviewer

4/11/91
Date(s)

Facility Contact 4/12/91

DH324 RECOMMENDATION IS TO OBTAIN SEPERATE EPA IDENTIFICATION NUMBERS FOR EACH OF THE THREE DEPARTMENT DUE TO THE COMPLEXITY OF THE SITE.

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

DEHNR

AUG 1996
RECEIVED
HAZARDOUS
WASTE

MIKE PHILLIPS, SCIENTIST
DUKE POWER MCGUIRE NUCLEAR STA
PO BOX 488
HUNTERSVILLE, NC 28078

August 1, 1996

RE EPA ID NO.: **NCD108706029**

Dear Sir/Madam:

Based on information received by this office for the site identified with the EPA ID number, the state has accepted and processed the change in RCRA classification or information for the above site.

Please verify the computer generated information below and notify us of any corrections. We are advising EPA of the changes.

Sincerely,

R. J. Edwards, Administrative Assistant
Division of Waste Management

Current Computer Record
'X' indicates operation status of your facility.

X LARGE GENERATOR	__ STORES	__ TRANSPORTER
__ SMALL QNTY GENERATOR	__ TREATER	__ SMALL QTY BURNER
__ EXEMPT SMALL QNTY	__ DISPOSER	__ USED OIL
__ LG QNTY. UNIVERSAL		

Company name:	DUKE POWER MCGUIRE NUCLEAR STA
Owner:	DUKE POWER CO
Contact:	PHILLIPS MIKE, SCIENTIST
Phone number:	704/875-4675
Location address:	12700 HAGERS FERRY RD
City, St & ZIP:	HUNTERSVILLE, NC 28078-

Please notify us if there is any further change in your operation which would affect your status namely Company's Name, Ownership, Address, Contact or Telephone Number.

Your EPA ID number is currently active.

cc: ROBIN HEDDEN

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-92
GSA No. 0246-EPA-OT

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

EPA

Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only)

24

I. Installation's EPA ID Number (*Mark "X" in the appropriate box*)

☐ A. First Notification ☒ B. Subsequent Notification (*complete item C*)

C. Installation's EPA ID Number: NCD108706029

II. Name of Installation (*Include company and specific site name*)

DUKE POWER CO. MCGUIRE NUCLEAR

III. Location of Installation (*Physical address not P.O. Box or Route Number*)

Street: 12700 HAGERS FERRY ROAD

Street (continued):

City or Town: HUNTERSVILLE | State: NC | ZIP Code: 28078-9340

County Code: 060 | County Name: MECKLENBURG

IV. Installation Mailing Address (*See Instructions*)

Street or P.O. Box: PO BOX 488

City or Town: HUNTERSVILLE | State: NC | ZIP Code: 28078-

V. Installation Contact (*Person to be contacted regarding waste activities at site*)

Name (*last*): PHILLIPS | (*first*): MIKE

Job Title: SCIENTIST | Phone Number (*area code and number*): 704-875-4675

VI. Installation Contact Address (*See Instructions*)

A. Contact Address: Location [X] Mailing [ ]

B. Street or P.O. Box: SAME

City or Town: | State: | ZIP Code: -

VII. Ownership (*See Instructions*)

A. Name of Installation's Legal Owner: DUKE POWER COMPANY

Street, P.O. Box, or Route Number: PO BOX 1007

City or Town: CHARLOTTE | State: NC | ZIP Code: 28201-1007

Phone Number (*area code and number*): 704-875-5953

B. Land Type: P

C. Owner Type: P

D. Change of Owner Indicator: Yes [ ] No [X]

(Date Changed) Month Day Year

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-92
GSA No. 0246-EPA-OT

ID - For Official Use Only

SIC CODE NUMBER __ __ __ __

VIII. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to Instructions.)*

A. Hazardous Waste Activity

1. Generator (See Instructions)
   - [X] a. Greater than 1000kg/mo (2,200 lbs.)
   - [ ] b. 100 to 1000 kg/mo (220 - 2,200 lbs.)
   - [ ] c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
   - [ ] a. For own waste only
   - [ ] b. For commercial purposes

   Mode of Transportation
   - [ ] 1. Air
   - [ ] 2. Rail
   - [ ] 3. Highway
   - [ ] 4. Water
   - [ ] 5. Other - specify
3. [ ] Treater, Storer, Disposer (at Installation) Note: A permit is required for this activity; see instructions
4. Hazardous Waste Fuel
   - [ ] a. Generator Marketing to Burner
   - [ ] b. Other Marketers
   - [ ] c. Boiler and/or Industrial Furnace
     - [ ] 1. Smelter Deferral
     - [ ] 2. Small Quantity Exemption

     Indicate Type of Combustion Device(s)
     - [ ] 1. Utility Boiler
     - [ ] 2. Industrial Boiler
     - [ ] 3. Industrial Furnace
5. [ ] Underground Injection Control

B. Used Oil Fuel Activities

1. Off-Specification Used Oil Fuel
   - [ ] a. Generator Marketing to Burner
   - [ ] b. Other Marketer
   - [✓] c. Burner - indicate device(s) - Type of Combustion Device
     - [ ] 1. Utility Boiler
     - [ ] 2. Industrial Boiler
     - [ ] 3. Industrial Furnace
2. [ ] Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification.

JUL 2002 ENTERED RCRIS

IX. Description of Regulated Wastes *(Use additional sheets if necessary)*

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40 CFR Parts 261.20 - 261.24)*

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic (D000)	(List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s))			
X	X	X	X	D004	D005	D006	D007

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
F001	F002	F003	F005	U003	U031
7	**8**	**9**	**10**	**11**	**12**
U037	U044	U051	U060	U061	U075

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number. See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Name and Official Title *(type or print)*	Date Signed
Mark E. Hollis	Mark E. Hollis Technical System Mgr I	7-18-96

XI. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

EPA Notification of Regulated Waste Activity
(Continued from Form OMB No. 2050-0028)

IX.A. D008
D009
D010
D011
D018
D019
D020
D021
D022
D028
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JUL 1996
ENTERED
RCRIS

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 10-31-91
GSA No. 0246-EPA-OT

ID - For Official Use Only

IX. Description of Regulated Wastes Continued (Additional sheet)

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. Use this page only if you need to list more than 12 waste codes.)

13	14	15	16	17	18
U080	U088	U098	U102	U107	U121
19	20	21	22	23	24
U122	U133	U134	U154	U162	U188
25	26	27	28	29	30
U208	U210	U211	U220	U226	U227
31	32	33	34	35	36
U228	U247	P004	P029	P030	P050
37	38	39	40	41	42
P068	P089	P098	P105	P106	P120
43	44	45	46	47	48
P220					
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120

Duke Power Company
McGuire Nuclear Station
13225 Hagers Ferry Road
Huntersville, NC 28078

(704)875-4000

DUKE POWER

4/8/96

To: N.C. State Emergency Response
N.C. Department of Environment, Health, and Natural Resources -Raleigh
N.C. Department of Environment, Health, and Natural Resources-Mooresville
Mecklenburg County Department of Environmental Protection
OSHA Area Director-Raleigh
OSHA Field Office-Charlotte
N.C. Division of Emergency Management
N.C. Division of Emergency Management (Area E)
Charlotte Mecklenburg County Emergency Management
Gilead Volunteer Fire Department
Mecklenburg County Police Department
North Mecklenburg Rescue Squad
Carolinas Medical Center
Cornelius Volunteer Fire Department
N.C. Highway Patrol
MEDIC

Subject: McGuire Nuclear Site-Hazardous Waste Contingency Plan

Dear Emergency Responder:

The attached document is a revision of the Hazardous Waste Contingency Plan for McGuire Nuclear Site. Please discard any previous revisions of this document which your agency has on file and retain this document for your references in the event of a fire, explosion, or release of hazardous waste or hazardous waste constituents at McGuire Nuclear site which could threaten human health or the environment. This document should be kept on file.

The enclosed document contains an updated list of the major hazardous waste generated at McGuire and an updated emergency coordinators list.

Thank you,
Dayna Russell
Dayna J. Russell
Environmental Manager
McGuire Nuclear Site

Attachment

Printed on recycled paper

G

Scott

RECEIVED

MAY 29 1991

HAZARDOUS WASTE SECTION

DUKE POWER

May 20, 1991

Mr. Ken LaPierre
United States Environmental Protection Agency
Region IV
345 Courtland Street, N.E.
Atlanta, GA 30365

SUBJECT: Duke Power Company
McGuire Nuclear Station (EPA ID# NCD108706029)
File: MN - 708.00

Federal Regulation 40CFR268.7(a)(4) states that if a generator is treating a land disposal restricted waste in a 90 day container to meet applicable treatment standards, the generator must develop and follow a written waste analysis plan describing procedures to comply with the treatment standards. The waste analysis plan must be filed with the EPA Regional Administrator prior to the treatment activity, with delivery verified.

In compliance with the above requirements, attached is the Processing Waste Analysis Plan for those radioactive, hazardous wastes (mixed wastes) that will be treated in 90 day containers at the McGuire Nuclear Station. Appropriate notification and certification per 40CFR268.7(a)(2) will be submitted to the EPA Regional Administrator prior to beginning initial treatment activities.

If you have any questions or require additional information concerning this Processing Waste Analysis Plan, please contact Larry Evans at 704-373-2647.

J S Carter

J.S. Carter, Technical System Manager
Nuclear Environmental Compliance

LDE/.010

Attachments

xc: J. Rhodes - North Carolina

DUKE POWER COMPANY

McGUIRE NUCLEAR STATION

PROCESSING WASTE ANALYSIS PLAN

1.0 INTRODUCTION

This McGuire Nuclear Site Processing Waste Analysis Plan has been developed to ensure that the McGuire Nuclear Site (MNS) complies with 40 CFR Part 268. That section of the Code of Federal Regulations requires that specific information be documented in a waste analysis plan by generators treating wastes within 90-day storage containers. The waste analysis plan must be filed with the EPA Region IV office prior to the start of process activity.

This plan is applicable only to the processing of MNS wastes which are both radioactive and hazardous (i.e. mixed wastes). Due to a lack of treatment, disposal, or storage facilities, mixed wastes must remain stored on site unless treated within the 90-day storage container. A description of these processes, as well as other information required by 40 CFR Part 268, are included in this processing waste analysis plan. Note that non-radioactive hazardous wastes at MNS are recycled or disposed of appropriately within the time frame specified in 40 CFR Part 262.34 and therefore are not required to meet the waste analysis plan requirements of 40 CFR Part 268.

2.0 REQUIRED WASTE STREAM AND PROCESSING INFORMATION

The attached enclosures describe those mixed waste streams which will be rendered non-hazardous within the appropriate land disposal restriction treatment standards using the processes described in this plan. These enclosures also provide additional information required by 40 CFR Part 268.

Enclosure 2.1

Waste Stream Processing Information
for Wet Grit Blast Filters

WASTE STEAM: Wet Grit Blast Decontamination Unit Filters

These filters are sock type filters and are used to filter a grit/water slurry in an on site grit blast unit used for decontaminating radioactive materials.

PRE-PROCESSED HAZARDOUS PROPERTIES: This waste contains leachable toxic metals (cadmium) at concentrations above the regulatory characteristic levels. Any variability in the properties of the hazardous filters will be detected since each batch of hazardous filters is tested for all TCLP metals prior to processing.

POST-PROCESSED HAZARDOUS PROPERTIES: Contains no leachable toxic metal(s) at concentrations above the regulatory treatment standard level. Any variability in the properties of the post-processed filters will be detected since each batch of filters is tested for applicable TCLP metals after processing.

PROCESSING METHOD: The filters are solidified in the original storage container. This processing occurs during the 90-day storage period. The solidification process uses procedures and a solidification agent which have been proven to produce stable waste forms with leachable toxic metals concentrations below the regulatory treatment standard levels.

The first step in the process is to verify the above pre-processed hazardous properties of the waste filters by both TCLP metals analysis and by using a knowledge of the process that generated the waste. Next, the filters are broken into small fragments, as much as is reasonably possible, so as to achieve a solidified waste that is as homogeneous as possible. This size reduction is performed in the original storage container. Next, bench scale test solidifications are performed to determine acceptable boundary ratios of waste and solidification ingredients. These test samples are analyzed for the applicable TCLP metal(s) to verify that they contain leachable toxic metal concentrations below the regulatory treatment standard levels. If the bench scale test samples are non-hazardous, full scale solidification of the waste is performed using the tested boundary ratios of solidification ingredients. These ingredients (water and solidification agent) are added to the waste container and mixed with a mixer of sufficient capacity to ensure that the final solidified mass will be as homogeneous as possible. After hardening, the resulting full scale solidified mass is then tested to verify that the applicable leachable toxic metal concentrations are below the regulatory treatment standard levels.

REPRESENTATIVE SAMPLING METHOD: Pre-Processed Sample

Around 200 grams of filter sample is collected using methods and containers outlined in the TCLP analysis procedure. The sample is collected by removing approximately equal amounts of material from each filter in the batch of waste to be processed. This material is removed from random locations on each filter. This removed material is combined and mixed

Enclosure 2.1

Waste Stream Processing Information
for Wet Grit Blast Filters

SAMPLING METHOD: (Continued...)

together. The 200 grams of filter material to be analyzed is then taken from this combined material and broken into fragments meeting the size requirements of the TCLP analysis procedure.

Post-Processed Sample

After all the solidification ingredients and waste have been adequately mixed together, approximately 250 ml (>200 grams) of representative sample is collected using methods and containers outlined in the TCLP analysis procedure. The sample bottle is filled with liquid solidification mixture prior to securing mixing, and prior to the mixture setting up or hardening. After hardening, the sample is broken into fragments meeting the size requirements of the TCLP analysis procedure.

ANALYSIS METHOD:

Toxicity Characteristic Leaching Procedure (TCLP, EPA Method 1311) as described in 40 CFR Part 261 Appendix II and SW-846 - "Test Methods for Evaluating Solid Waste Physical/Chemical Methods".

ACCEPTANCE CRITERIA:

The solidified waste filters are acceptable and shall be considered non-hazardous if TCLP analysis for the applicable toxic metal(s) reveals that the solidified mass does not contain concentrations of leachable toxic metals above the regulatory TCLP and Land Disposal Restrictions treatment standard levels.

Enclosure 2.2

Waste Stream Processing Information
for Mercuric Thiocyanate Waste

WASTE STEAM: Mercuric Thiocyanate Waste

This waste is generated during manual chloride analysis of radioactive liquid samples. One of the reagents used in this analysis is Mercuric Thiocyanate.

PRE-PROCESSED HAZARDOUS PROPERTY: This waste contains leachable toxic metal (mercury) at a concentration above the regulatory characteristic level. Note that the highest concentration of mercury in the waste is 250 ppm. Any variability in the hazardous properties of this waste will be detected since each batch of waste is tested prior to processing.

POST-PROCESSED HAZARDOUS PROPERTY: Contains leachable toxic metal at concentrations below the regulatory treatment standard level. Any variability in the properties of the post-processed mercuric waste will be detected since each batch of waste is tested after processing.

PROCESSING METHOD: Each batch of mercuric thiocyanate waste is solidified in its original storage container within the 90-day storage period. The solidification process uses procedures and a solidification agent which have been proven to produce stable waste forms with leachable toxic metal concentrations below the regulatory treatment standard level.

The first step in the process is to verify the above pre-processed hazardous properties of the mercuric waste by both TCLP metals analysis and by using a knowledge of the process that generated the waste. Next, bench scale test solidifications are performed to determine acceptable boundary ratios of waste and solidification ingredients. These test samples are analyzed for the applicable TCLP metal to verify that they contain leachable toxic metal concentrations below the regulatory treatment standard levels. If the bench scale test samples are non-hazardous, full scale solidification of the waste is performed using the tested boundary ratios of solidification ingredients. These ingredients (water and solidification agent) are added to the waste container and mixed with a mixer of sufficient capacity to ensure that the final solidified mass will be as homogeneous as possible. After hardening, the resulting full scale solidified mass is then tested to verify that the applicable leachable toxic metal concentrations are below the regulatory treatment standard level.

REPRESENTATIVE SAMPLING METHOD: Pre-Processed Sample

Approximately 250 ml of waste sample (> 200 grams) is collected using methods and sample containers outlined in the TCLP analysis procedure. Just prior to collecting the sample, the waste is mixed thoroughly to ensure that it is as homogeneous a mixture as possible.

Enclosure 2.2

Waste Stream Processing Information
for Mercuric Thiocyanate Waste

REPRESENTATIVE SAMPLING METHOD: (Continued)

Post-Processed Sample

After all the solidification ingredients and waste have been adequately mixed together, approximately 250 ml (>200 grams) of representative sample is collected using methods and containers outlined in the TCLP analysis procedure. The sample container is filled with liquid solidification mixture prior to securing mixing and prior to the mixture setting up or hardening. After hardening, the sample is broken into fragments meeting the size requirements of the TCLP analysis procedure.

ANALYSIS METHOD:

Toxicity Characteristic Leaching Procedure (TCLP, EPA Method 1311) as described in 40 CFR Part 261 Appendix II and SW-846 - "Test Methods for Evaluating Solid Waste Physical/Chemical Methods".

ACCEPTANCE CRITERIA:

The solidified mercuric waste is acceptable and shall be considered non-hazardous if TCLP analysis for the applicable toxic metal reveals that the solidified mass does not contain concentrations of leachable toxic metal above the regulatory TCLP and Land Disposal Restrictions treatment standard level.

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

May 29, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF VIOLATION
Docket #91-235

Mr. David Phillips
Duke Power McGuire Nuclear Station
P.O. Box 488
Cornelius, NC 28031

NCD 108 706 029

Dear Mr. Phillips:

On December 18, 1980, the State of North Carolina, Hazardous Waste Section (State) was authorized to operate the State RCRA hazardous waste program under the Solid Waste Management Act, (Act) N.C.G.S. 130A, Article 9 and rules promulgated thereto at 15A NCAC 13A (rules) in lieu of the federal RCRA program. Duke Power McGuire Nuclear Station, Cornelius, North Carolina is classified as a generator of hazardous waste and is subject to the requirements of 40 CFR 262 codified at 15A NCAC 13A .0007.

In addition, Duke Power McGuire Nuclear Station is subject to the current prohibitions on land disposal of hazardous waste, effective November 8, 1986, that applies to spent solvent wastes F001/F005; effective July 8, 1987, for the "California List Wastes" effective August 8, 1988, for the "First Third" listed wastes; effective June 8, 1989, for the "Second Third" listed wastes; and effective May 8, 1990, for the "Third Third" listed wastes.

On April 11, 1991, Mr. Scott Readling, Waste Management Specialist with this office inspected your facility for compliance with North Carolina Hazardous Waste Management Rules. During that inspection the following violations were noted.

A. 40 CFR 262.11, codified at 15A NCAC 13A .0007, states that a person who generates a solid waste, as defined in 40 CFR 261.2, must determine if that waste is a hazardous waste using the following method:

   a. He should first determine if the waste is excluded from regulation under 40 CFR 261.4 and 261.5.

b. He must then determine if the waste is listed as a hazardous waste in Subpart D of 40 CFR Part 261.

c. If the waste is not listed as a hazardous waste in Subpart D of 40 CFR Part 261, he must determine whether the waste is identified in Subpart C of 40 CFR Part 261 by either:

   i. Testing the waste according to the methods set forth in Subpart C of 40 CFR Part 261, or according to an equivalent method approved by the Administrator under 40 CFR 260.21; or

   ii. Applying knowledge of the hazard characteristic of the waste in light of the materials or the processes used.

d. If the waste is determined to be hazardous, the generator must refer to Parts 264, 265, 268 of this chapter for possible exclusions or restrictions pertaining to management of his specific waste.

Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.11, codified at 15A NCAC 13A .0007, in that it has failed to properly determine if solid wastes generated at the facility are hazardous wastes. Specifically, paint booth filters generated from one spray booth located in the Construction and Maintenance Department.

B. 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, in that the date upon which each period of accumulation begins is not clearly marked and visible for inspection on each container. Specifically, one drum of thinner and water located in the discarded material building.

C. 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, states that except as provided in paragraphs (d), (e), and (f) of this section, a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that while being accumulated on-site, each container and tank is labeled or marked clearly with the words, "Hazardous Waste".

Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, in that while being accumulated on-site, each container of hazardous waste was

not marked clearly with the words "Hazardous Waste". Specifically, one drum located in the discarded material building.

D. 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the generator complies with the requirements for owners or operators in Subparts C and D in 40 CFR Part 265 and with Section 265.16.

1. 40 CFR 265.37(a)(1), codified at 15A NCAC 13A .0010, states that the owner or operator must attempt to make arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes.

   Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(d)(4), codified at 15A NCAC 13A .0007, referenced at 40 CFR 265.37(a)(1), codified at 15A NCAC 13A .0010, in that it did not attempt to make arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility. Specifically, associated hazardous waste generated in the Production Support Department.

2. 40 CFR 265.52(c), codified at 15A NCAC 13A .0010, states that the contingency plan must describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services, pursuant to Section 265.37.

   Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, referenced at 40 CFR 265.52(c), codified at 15A NCAC 13A .0010, in that the contingency plan did not describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and state and local emergency response teams. Specifically, for the Production Support Department.

3. 40 CFR 265.52(d), codified at 15A NCAC 13A .0010, states that the contingency plan must list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and this list must be kept up to date.

   Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, referenced at 40 CFR 265.52(d), codified at 15A NCAC 13A .0010, in that the contingency plan was not kept up to date with the addresses, of all persons qualified to act as the emergency coordinator, specifically for the Production Support and Construction and Maintenance Departments.

4. 40 CFR 265.52(e), codified at 15A NCAC 13A .0010, states that the contingency plan must include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarms systems (internal and external), and decontamination equipment), where this equipment is required. This list must be kept up to date. In addition, the contingency plan must include the location and a physical description of each item on the list, and a brief outline of its capabilities.

   Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, referenced at 40 CFR 265.52(e), codified at 15A NCAC 13A .0010, in that the contingency plan did not include a list of all emergency equipment at the facility. The contingency plan also did not include the location and a physical description of each item on the list, and a brief outline of its capabilities. Specifically for the Production Support and Construction and Maintenance Departments.

5. 40 CFR 265.52(f), codified at 15A NCAC 13A .0010, states the contingency plan must include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires).

   Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, referenced at 40 CFR 265.52(f), codified at 15A NCAC 13A .0010, in that the contingency plan did not include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. Specifically the plan did not describe signal(s) to be used to begin evacuation for the Production Support Department.

6. 40 CFR 265.53(b), codified at 15A NCAC 13A .0010, states that a copy of the contingency plan and all revisions to the plan must be submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

   Duke Power McGuire Nuclear Station is in violation of 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, referenced at 40 CFR 265.53(b), codified at 15A NCAC 13A .0010, in that copies of the contingency plan and all revisions to the plan were not submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services. Specifically for the Production Support Department.

E. 40 CFR 268.7(a)(1), codified at 15A NCAC 13A .0012, states that a generator who manages a restricted waste under this part and

the waste requires treatment prior to land disposal, for each shipment of waste the generator must notify the treatment facility in writing of the appropriate treatment standard set forth in 40 CFR 268 Subpart D. The notice must include the following information:

(i) EPA Hazardous Waste Number;
(ii) The corresponding treatment standard;
(iii) The manifest number associated with the shipment of waste; and
(iv) Waste analysis data, where available.

Duke Power McGuire Nuclear Station is in violation of 40 CFR 268.7(a)(1), codified at 15A NCAC 13A .0012, in that it had failed to notify the treatment facility in writing of the appropriate treatment standards and of the EPA Hazardous Waste Numbers identifying waste generated.

COMPLIANCE SCHEDULE

By June 17, 1991, you shall comply with the following requirements:

A. Comply with 40 CFR 262.11, codified at 15A NCAC 13A .0007, by determining if the solid waste as defined in 40 CFR 261.2, codified at 15A NCAC 13A .0007, is a hazardous waste.

B. Comply with 40 CFR 262.34(a)(2), codified at 15A NCAC 13A .0007, by ensuring that the date upon which each period of accumulation begins is clearly marked and visible for inspection on each container of hazardous waste.

C. Comply with 40 CFR 262.34(a)(3), codified at 15A NCAC 13A .0007, by ensuring that each container accumulating hazardous waste on-site is labeled or marked clearly with the words "Hazardous Waste".

D. Comply with 40 CFR 262.34(a)(4), codified at 15A NCAC 13A .0007, specifically:

1. By familiarizing police, fire department, and emergency response teams with the properties of the hazardous waste handled and associated hazards as required in 40 CFR 265.37(a)(1).

2. By ensuring that the contingency plan describes the arrangements agreed to by the local police departments, fire departments, hospitals, contractors, and state and local emergency response teams as required in 40 CFR 265.52(c).

3. By amending the contingency plan to include emergency coordinator provisions as described in 40 CFR 265.52(d).

4. By amending the contingency plan to include all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications, and alarm systems

(internal and external) and decontamination equipment). The contingency plan must also include the location and a physical description of each item on the list and a brief outline of its capabilities as described in 40 CFR 265.52(e).

5. By amending the contingency plan to include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. The evacuation plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires) as required in 40 CFR 265.52(f).

6. By ensuring that the contingency plan and all revisions to the contingency plan have been submitted to all police departments, fire departments, hospitals, and State and Local emergency response teams that may be called upon to provide emergency services as required in 40 CFR 265.53(b).

D. Comply with 40 CFR 268.7(a)(1), codified at 15A NCAC 13A .0012, by notifying the treatment facility in writing of the appropriate treatment standard set forth in 40 CFR 268 Subpart D for all future shipments.

If the requirements above are not met, pursuant to N.C.G.S. 130A-22(a) and 15A NCAC 13B .0701 - .0707, an administrative penalty of up to $25,000.00 per day may be assessed for violation of the hazardous waste law or regulations.

Sincerely,

Jerome H. Rhodes

Jerome H. Rhodes, Chief
Hazardous Waste Section

JHR/dd/KM232

cc: Keith Masters
Central Files
Steve Reid
Scott Readling
Al Hilton

Region IV CM&E Form - Side A

EPA ID: N C D 1 0 8 7 0 6 0 8 9

Submitted by: _____ Date: _____
Entered by: _____ Date: _____

Facility Name: DUKE POWER MCGUIRE NUCLEAR City: CORNELIUS NC

EVALUATION DATA: New: X Change: __ Delete: __ (▬ : Required)

Agency: S Date: Mo. 06 / Day 17 / Year 91 Type: CSE

Control Number
Data Entry Personnel

Person: 021 Reason:

Coverage Areas: (E: Evaluated NE: Not Evaluated NA: Not Applic. D:Del.)

Generators: GER, GGR, GLB, GLQ, GMR, GOR, GPT, GRR, GSC

Transporters: TGR, TMR, TOR, TRR, TWD

TSD's: DCH, DCL, DCP, DFR, DGS, DGW, DIN, DLB, DLF, DLT, DMC, DMR, DOR, DOT, DPB, DPP, DSI, DTR, DTT, DWP

Compliance Schedule (TSD, Gen., Trans.)
FEA CAS

Evaluation Comments:
(72) 1: NO VIOLATIONS NOTED
2:

VIOLATION DATA: New: __ Change: __ Delete: __

#__ Agency: Type: Date (mdy) Determined: / / Class:
Priority: Branch: Person: Seq. Number (Data Entry)
Return to Compliance: -- Scheduled -- / / --- Actual --- / /
Reg. Type: Reg. Description (30):
Comment (72):

#__ Agency: Type: Date (mdy) Determined: / / Class:
Priority: Branch: Person: Seq. Number (Data Entry)
Return to Compliance: -- Scheduled -- / / --- Actual --- / /
Reg. Type: Reg. Description (30):
Comment (72):

#__ Agency: Type: Date (mdy) Determined: / / Class:
Priority: Branch: Person: Seq. Number (Data Entry)
Return to Compliance: -- Scheduled -- / / --- Actual --- / /
Reg. Type: Reg. Description (30):
Comment (72):

Continue violation data on Side B if necessary -

RCRA INSPECTION REPORT

1) Facility Information

DUKE POWER MCGUIRE NUCLEAR STATION
POST OFFICE BOX 488
CORNELIUS, NORTH CAROLINA 28031
NCD 108706029

2) Facility Contact

MR. DAVID PHILLIPS, ENVIRONMENTAL COMPLIANCE COORDINATOR
(704) 875-4633

3) Survey Participants

MR. DAVID PHILLIPS, NPD
MRS. AMY BAXTER, NPD
MS. PAM SIMPSON, CMD

4) Date of Inspection

MONDAY, JUNE 17, 1991

5) Purpose of Survey

UNANNOUNCED FACILITY FOLLOW UP AUDIT IN ORDER TO DETERMINE COMPLIANCE WITH THE NOTICE OF VIOLATION DOCKET #91-235

6) Facility Description

NO CHANGES

DH324

7) Waste Minimization

NO CHANGES

8) Site Deficiencies

NONE

9) Recommendations

10) Signed

Inspector/Reviewer

6/17/91

Date(s)

Facility Contact 6/17/91

DH324

June 13, 1991

MEMORANDUM TO FILE

RE: 1991 Hazardous Waste Inspection

On April 11, 1991, Mr. Scott Readling, Waste Management Specialist of the N.C Department of Environment, Health, and Natural Resources, conducted the annual hazardous waste inspection. During that visit Mr. Readling noted a violation to CMD-North concerning a drum of thinner and water. The drum had taken on a small amount of water while being temporary stored outside. The drum contained approximately 50 gallons of R7K69 thinner. This is a high grade of thinner used for thinning speciality paints. The drum was not labeled a "hazardous waste", because it was still considered as product. Even though the thinner could not be used for thinning paint, it could be used for cleaning purposes.

In an effort to prove the product was not a waste, the CMD-North painters used the product for cleaning purposes. The product was used from April 15 and is still being used at this time. There is only a small about remaining to be used, and it is my projection the thinner will be gone by the end of next week.

Pam

Pam Simpson
Environmental Engineer
CMD-North

cc: David Phillips

State Of North Carolina

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF SOLID WASTE MANAGEMENT
P.O. BOX 27687 RALEIGH, NC 27611-7687

September 18, 1990

Duke Power McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville NC 28078

RE: EPA ID No.: NCD108706029

Dear Sir:

Based on information supplied by you for the site identified with the above EPA ID number, the state has accepted and processed the change in RCRA listing or information that you requested

Your EPA ID number is active.

Current computer record of your facility contains following information:

(X INDICATES OPERATIONAL STATUS OF YOUR FACILITY.)

X LARGE GENERATOR	- SMALL QNTY. GENERATOR
- TRANSPORTER	- TREATER
- STORER	- DISPOSER

COMPANY NAME	Duke Power McGuire Nuclear Station
OWNERSHIP	Duke Power Company
CONTACT	Phillips, David
PHONE NUMBER	(704)875-4633
LOCATION ADDRESS	NC Highway 73 Cowins Ford
CITY, STATE & ZIP	Cornelius NC 28031

Please verify the above computer information. Please notify us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status. Your EPA ID number is currently active.

Sincerely,

R.J. Edwards

R.J. Edwards, Administrative Officer
Hazardous Waste Section

CC: SPRING ALLEN
EPA Region IV
Mecklenburg County Health Department

4/11/91 DUKE POWER MCGUIRE NUCLEAR STATION
NCD 108706029
MR. DAVE PHILLIPS (ENV. COMPLIANCE DEPT.), LARRY EVANS (NUCLEAR ENV. COMP. SUPPORT GROUP), AMY BAXTER (NUCLEAR PRODUCT.)
PREVIOUS AUDIT 6-20-89

(CMD) - CONSTRUCTION & MAINTENANCE DEPT.
NUCLEAR PRODUCTION (NPD)
PRODUCTION SUPPORT (PSD)
(PSM) TRANSPORTATION
PROCUREMENT SERVICES & MATERIALS DEPT.
CORP COMMUNICATION - ENERGY EXPLORIUM
QA

Nuclear power generating station & support groups.

DAVE PHILLIPS - ENV. COMP. COOR
(CMD) PAM SIMPSON - ENV. COORDINATOR
(20 gal) DISTILLATION UNIT INSTALLED 11/90
RAOS LAUNDRY SERVICE
* PAINT FILTERS FROM (1) SPRAY BOOTH NO WASTE ANALYSIS
(1) SOAP (2) Safety Wash Units
(1) 55 GAL SATELLITE FOR STILL BOTTOMS (D001/F003) F005
OCCASSIONALLY 4 drums/yr. WASTE OIL & Solvent Mix.

→ DISCARDED MATERIALS BUILDING - CMD 90 DAY STORAGE BUILDING
STORAGE OF PAINT WASTES, WASTE OILS, STILL BOTTOMS, SURPLUS MATERIALS
* 1 DRUM 55 gal THINNER & WATER MIXTURE WHICH NEEDS TO BE DISTILLED PRIOR TO USE. PHOTOGRAPH TAKEN
NO H.W. LABEL, NO ACCUMULATION DATES

(1) BLAST YARD

(1) SATELITTE 55 GAL DRUM PAINT WASTE

Applied Science Center
Dept of Production Support PSD
~~Louis Lee~~

Louis Lee - Env. Coordinator

SATELLITE ACC. AREAS LISTED

(1) Mercury WASTE
(2) phenol Waste
(3) Photographic Waste - graphic Art work *
(4) WASTE Solvent & Oil (D001)
(5) METHLYENE CHLORIDE 55 GAL * (D002)

ANALYTICAL PROCEDURES USED FOR ALL ABOVE

DAVE PHILLIP

NICA Battery Hg

Compressed gas

NUCLEAR PRODUCTION

SATELLITE ACC. AREAS

(1) CT LAB Hg WASTE
(2) WT LAB Hg, waste oil & solvent, solvents
(3) PAINT MIX SHACK
(4) Cold LAB Hg Waste RCA Radiation Control Area — MX WASTE
(1) 90 DAY STORAGE AREA
(5) Freon Sludge
(6) Freon Filter
(7) Acetone

all mx waste satellite storage only no storage to date

(3)

AEROSOL CANS D001
COMPRESSED GAS

CMD CONTINGENCY PLAN

- ADDRESS for E.C. (EVACUATION PLAN - PA + ALARM System(?) signal described)
- Emergency Equipment locations not shown or specific locations not described (Eye wash & showers)
- MANIFEST (LANDBAN)

268.7(a)(1)

89010 F005 CODE USED?
89014 WW/NWW F005?
90019 WW/NWW D001
90013 TREATMENT STANDARDS
90102 WW/NWW
91001 WW/NWW D001 STREAM
91002 WW/NWW MANIFEST # 91001
91004 TREATMENT STANDARDS

PERSONNEL TRAINING CMD

3-30-88 PAM
4-12-88 GENERAL EMPLOYEE
PAM SIMPSON - TRAINER

BURMAH DON LOFTIN - ~~MAT. HAND~~ STOREKEEPER 1/30/90
✓ OK Fossil 89(?)
5/3/88
11/19/87

Fire Brigade Team Members Train 1990? 1989?
Leroy Belton Mate Hand 10/31/89. 1990? Retired
5/17/88 OK ✓
11/19/87

INSPECTION CMD

Weekly Inspections conducted at 90 day Storage

Applied Science Center

Dept of Production Support

Contingency Plan

E.C. INFORMATION

EVACUATION ROUTES & SIGNALS 90 DAY & SATELLITE AREAS

EMERGENCY EQUIPMENT

PLAN SUBMITTED ? -

COORDINATION AGREEMENT

MANIFEST

OK

TRAINING

NOT ABLE TO ACCESS TRAINING RECORDS FOR H.W. PERSONNEL

INSPECTION RECORDS

OK

Nuclear Production

Contingency Plan - OK

Manifest. 89037 Treatment Standards

Training

Gary Hobeck 8/7/89 12/20/89 → 1990 RECORDS NOT AVAILABLE FOR REVIEW
12/1/88

Gary Barker. EC 8/24/89 Overview 12/6/89 11/17/88

Dave Phillips EC OK

Regeneration of the mixed bed demineralizer using sulfuric acid & Sodium Hydroxide to make demineralized water for plant operations discharged through NPEDS permit.

P 073 196 496

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: North Mecklenburg Rescue Squ
Street and No.: P.O. Box 622
P.O., State and ZIP Code: Huntersville, NC 28078

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.60
Postmark or Date	

PS Form 3800, June 1985

P 073 196 498

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: NC State Emergency Response
Street and No.: 116 West Jones St.
P.O., State and ZIP Code: Raleigh, NC 27611

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.60
Postmark or Date	

PS Form 3800, June 1985

P 073 196 497

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: Carolina's Medical Center E
Street and No.: PO Box 32861
P.O., State and ZIP Code: Charlotte, NC 28232

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.6
Postmark or Date	

PS Form 3800, June 1985

P 073 196 492

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: Gilead Volunteer Fire Dept.
Street and No.: 15,900 Henry Lane
P.O., State and ZIP Code: Huntersville, NC 28078

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.60
Postmark or Date	

PS Form 3800, June 1985

P 073 196 494

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: Cornelius Volunteer Fire Dept.
Street and No.: P.O. Box 311
P.O., State and ZIP Code: Cornelius, NC 28031

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.60
Postmark or Date	

PS Form 3800, June 1985

P 073 196 495

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: Media
Street and No.: 618 N. College Street
P.O., State and ZIP Code: Charlotte, NC 28202

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.60
Postmark or Date	

PS Form 3800, June 1985

P 073 196 493

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: Mecklenburg County Police
Street and No.: 618 N. College Street
P.O., State and ZIP Code: Charlotte, NC 28202

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.60
Postmark or Date	

PS Form 3800, June 1985

P 073 196 491

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to: NC Highway Patrol
Street and No.: 512 N. Salisbury St.
P.O., State and ZIP Code: Raleigh, NC 27610

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.60
Postmark or Date	

PS Form 3800, June 1985

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
NC State Emergency Response
c/o Joe Myers
Division of Emergency Management
116 West Jones Street
Raleigh, NC 27611

4. Article Number
P 073 196 498

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X [signature]

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

RALEIGH NC JUN 1 1990 USPS

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
Medic
618 N. College Street
Charlotte, NC 28202

4. Article Number
P 073 196 495

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X [signature]

7. Date of Delivery
6-1-90

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
Cornelius Volunteer Fire Dept.
P.O. Box 311
Cornelius, NC 28031

4. Article Number
P 073 196 494

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X [signature]

7. Date of Delivery
6.2.90

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
Mecklenburg County Police
618 N. College Street
Charlotte, NC 28202

4. Article Number
P 073 196 493

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X [signature]

7. Date of Delivery
6-1-90

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
N.C. Highway Patrol
c/o Major W.S. Ethridge, NCSHP
512 N. Salisbury Street
Raleigh, NC 27610

4. Article Number
P 073 196 491

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery

8. Addressee's Address *(ONLY if requested and fee paid)*

JUN 1 1990 RALEIGH, NC

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
Gilead Volunteer Fire Dept.
15,900 Henry Lane
Huntersville, NC 28078

4. Article Number
P 073 196 492

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X Richard J. Erlitz

7. Date of Delivery
6/9/90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and c
3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this w
card from being returned to you. The return receipt fee will provide you the name of the p
to and the date of delivery. For additional fees the following services are available. Con
for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted D *(Extra charg*

3. Article Addressed to:
North Mecklenburg Rescue Sq.
P.O. Box 622
Huntersville, NC 28078

4. Article Number
P 073 196 4

Type of Service:
☐ Registered ☐ Ins
☒ Certified ☐ CO
☐ Express Mail ☐ Ret for

Always obtain signature of a or agent and DATE DELIVER

5. Signature — Address
X Billy Hager

6. Signature — Agent
X

7. Date of Delivery

8. Addressee's Address *(ONLY if requested and fee paid)*

HUNTERSVILLE, N.C. JUN 20 1990 USPS

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RE

Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

(704)875-4000

DUKE POWER

May 28, 1990

To: North Carolina Highway Patrol
Mecklenburg County Police
Gilead Fire Department
Cornelius Fire Department
MEDIC
North Mecklenburg Rescue Squad
Carolina's Medical Center Emergency Room
N.C. State Emergency Response

Subject: McGuire Nuclear Station
Hazardous Waste Contingency Plan

Dear Sir:

The attached document is a revision of the Hazardous Waste Contingency Plan for the McGuire Nuclear Station Nuclear Production Department. Please discard any previous versions of this document which your agency has on file and retain this document for your reference in the event of a fire, explosion, or release of hazardous waste or hazardous waste constituents at McGuire Nuclear Station which could threaten human health or the environment. This document should be kept on file in addition to the Contingency Plan for McGuire Nuclear Station/Construction and Maintenance Department/Northern Division (CMD-N) dated May 9, 1990.

In the enclosed document, a list of the major hazardous wastes generated by the department has been added to the plan. Also, more complete descriptions of the 90 day hazardous waste storage area and associated evacuation routes have been included.

Please contact me at (704)875-4121 if you have any questions concerning this document.

Yours truly,

D. W. Phillips
Environmental Compliance Coordinator
McGuire Nuclear Station

DWP/ACB/cbl

Attachment

cc: J. R. Leonard
R. L. Hasty
R. O. Sharpe
P. R. Simpson

APPROVAL TW McConnell
REVISION 1 DATE 5/28/90
EFFECTIVE DATE 5/28/90

HAZARDOUS WASTE CONTINGENCY PLAN
FOR
MCGUIRE NUCLEAR STATION

Location: 17 miles northeast of Charlotte, North Carolina
Bordered on the left by Catawba River, and on the north by Lake Norman which is formed by Cowans Ford Dam adjacent to site.

Owned/Operated by:
Duke Power Company
P.O. Box 33189
Charlotte, NC 28242

Hazardous Waste Emergency Coordinator for this site:

David W. Phillips
Environmental Compliance Coordinator

CONTINGENCY PLAN FOR SPILLS OF HAZARDOUS WASTE DUE TO FIRE, EXPLOSION, OR SUDDEN UNPLANNED RELEASES

Introduction

The Contingency Plan for emergencies involving hazardous waste shall be put into effect whenever a spill resulting from a fire, explosion, or any sudden release of hazardous waste or hazardous waste constituents poses an imminent threat to personal health or the environment. This plan will be implemented under the direction of the Hazardous Waste Emergency Coordinator or designee as listed in Enclosure 1. The responsibility for initial control and reporting of all spills rests with the person who first discovers the incident. All spills, leaks, or fires which involve hazardous waste shall be reported immediately to the Shift Supervisor and others involved in administering this plan as outlined below.

At McGuire Nuclear Station, the major hazardous wastes generated by the Nuclear Production Department inside the Protected Area are listed in Enclosure 7.

Responsibilities

1. Shift Supervisor

   A. The on duty Shift Supervisor shall receive initial notification from the person discovering a fire, explosion, or spill involving hazardous waste. The Shift Supervisor will function as the temporary Hazardous Waste Emergency Coordinator (or he/she may delegate this responsibility to the Shift Managers) taking all measures available to immediately control the emergency. Upon arrival at the scene of the emergency, the Hazardous Waste Emergency Coordinator (as listed on Enclosure 1) will relieve the Shift Supervisor of this responsibility.

   B. The Station Fire Brigade team will respond to all fires involving hazardous waste according to the Fire Brigade procedure outline in Station Directive 2.11.1, Fire Brigade Organization and Program, and according to methods described in this plan for emergency spill

response. The Fire Brigade Captain is responsible for controlling the fire and any runoff from the fire which can be contained. Upon arrival, the Hazardous Waste Emergency Coordinator will be responsible for runoff control and any subsequent actions deemed necessary for runoff control after the fire has been extinguished.

C. The Shift Support Technician on duty, as directed by the Shift Supervisor or the Hazardous Waste Emergency Coordinator, will notify appropriate local emergency response organizations (as listed on Enclosure 2) of the emergency and request backup support if the spill cannot be handled by station personnel.

2. Emergency Coordinator

The Hazardous Waste Emergency Coordinator is responsible for coordinating all hazardous waste emergency response measures. The Emergency Coordinator will respond to the call from the Shift Supervisor and will assume responsibility once arriving on the scene of the incident. The Emergency Coordinator will be given the authority through the Shift Supervisor to take all measures necessary to protect personal health and the environment and to carry out the provisions of this plan. This action includes coordinating spill control and cleanup through the Spill Prevention, Control and Countermeasure (SPCC) Coordinator and reporting events to Nuclear Environmental Compliance. Reference Station Directive 3.1.24, Spill Prevention, Control, and Countermeasure; Chemical Spills, Section III.M, for additional hazardous waste spill response information.

3. Compliance

The station Compliance section will distribute this plan and any associated emergency response procedures as necessary to outside agencies. The Compliance section will also provide training to the appropriate offsite agencies that provide services in the event of an emergency at McGuire Nuclear Station.

4. Nuclear Environmental Compliance (G.O.)

Nuclear Environmental Compliance (NEC) will be responsible for contacting any outside environmental regulatory agencies as necessary. The phone numbers for these organizations are listed in Enclosure 2.

Emergency Response Procedure

All emergency situations involving hazardous waste require response as described below, along with the immediate notification of Nuclear Environmental Compliance (NEC).

In the event their services are needed, a description of the arrangements agreed to by the local police department, hospital, and state and local emergency response teams to coordinate emergency services is given in the MNS Emergency Plan. Phone numbers for federal, state, and local emergency response agencies are listed on Enclosure 2.

For individuals unfamiliar with the station's emergency response equipment, a list of the emergency equipment available and the location of the equipment is found in Enclosure 3. A physical description and a brief outline of the capabilities of each piece of equipment can be found in Enclosure 4.

1. Emergency Response for Fires Involving Hazardous Waste
   All fires at the station requiring the response of the station's Fire Brigade shall be handled per Station Directive 2.11.1 which covers the organization, fire response procedures, and training. For fires which cannot be controlled by the station Fire Brigade, the Gilead and Cornelius Volunteer Fire Departments will provide backup (reference Enclosure 2).

2. Emergency Response for Spills Involving Hazardous Waste
   All spills shall be contained and cleaned up as instructed in Station Directive 3.1.24 (Chemical Spills: Section III.M). In the event that the magnitude of the spill exceeds the capacity of the emergency equipment available at the station, the Emergency Spill Coordinator shall request that NEC personnel notify the appropriate State or Federal Environmental Regulatory Agencies listed in Enclosure 2.

3. Emergency Response for Injuries Involving Hazardous Waste Which Require Medical Attention
   All incidents involving injury to personnel on site will follow the

procedure outlined in Station Directive 2.10.2, Reporting "On-the-Job" Injuries. All incapacitating medical emergencies will result in notification of the MERT Medical Emergency Response Team (MERT) as addressed in Station Directive 2.10.13, Mert Organization and Program. In the event emergency medical transportation or hospitalization is necessary, the outside organizations listed on Enclosure 2 will be utilized.

4. Emergency Response for Incidents Involving Hazardous Waste Which Require Evacuation of Station Personnel

Hazardous wastes inside the McGuire Nuclear Station Protected Area are stored for up to 90 days in the Central Waste Storage Facility. If evacuation of the 90 day storage area (CWSF) becomes necessary during an emergency involving a fire, explosion or release of hazardous waste, either the single door on the west side or double doors on the east side could be used as evacuation routes at the discretion of the individual inside. See Enclosure 5 for a drawing of the Central Waste Storage Facility and evacuation routes from the 16' x 30' building. An evacuee would then proceed to a safe location and appropriate site assembly point as described in the McGuire Nuclear Station Emergency Plan and Station Directive 3.8.1, Site Assembly and Evacuation, if dictated by plant alarms and communications.

In the event that the magnitude of the event necessitated an evacuation from the site, evacuation from the assembly points inside the Protected Area would be via the South Personnel Access Portal in the Service Building or North Personnel Access Portal in a detached building at the Northeast end of the station. From the station parking lots, evacuees would be directed to proeeed in personal vehicles to the evacuation facility (Training/Technology Center or Cowans Ford Dam) or offsite/home via Highway 73 East or West by the individual initiating the site evacuation. See Enclosure 6 for a drawing of the evacuation routes from the Protected Area boundary.

5. Maintaining a Contingency Plan

A. Contingency Plan Distribution

A copy of the plan and all revisions to the plan are to be maintained at a minimum by the Hazardous Waste Emergency Coordinator and Nuclear Environmental Compliance. Copies of the plan are also to be forwarded to local police, fire, emergency response, and hospital authorities as listed in Enclosure 2. Any subsequent revisions to this plan will be sent to these organizations in a timely manner.

B. Amendments to the Contingency Plan

This plan must be reviewed and immediately amended if necessary whenever:

1) Applicable regulations are revised.
2) The plan fails in an emergency.
3) A station modification is made that would increase the potential for a release of hazardous waste, or changes the response necessary in an emergency.
4) The list of Emergency Coordinators changes; or
5) The list of Emergency equipment changes.

ENCLOSURE 1

HAZARDOUS WASTE EMERGENCY COORDINATORS

Primary Hazardous Waste Emergency Coordinator: Dave Phillips

Address: 202 Cliffside Drive Kannapolis, NC 28081

Telephone (office): 875-4633 Home: 704-932-6959

Alternate Hazardous Waste Emergency Coordinator: Amy Baxter

Address: 493 Union Street South Concord, NC 28025

Telephone (office): 875-4121 Home: 704-786-6727

Alternate Hazardous Waste Emergency Coordinator: Gary Barker

Address: 8809 Chinaberry Lane Concord, NC 28025

Telephone (office): 875-4541 Home: 704-782-1931

ENCLOSURE 2

FEDERAL, STATE, AND LOCAL EMERGENCY RESPONSE CONTACTS FOR HAZARDOUS WASTE EMERGENCIES

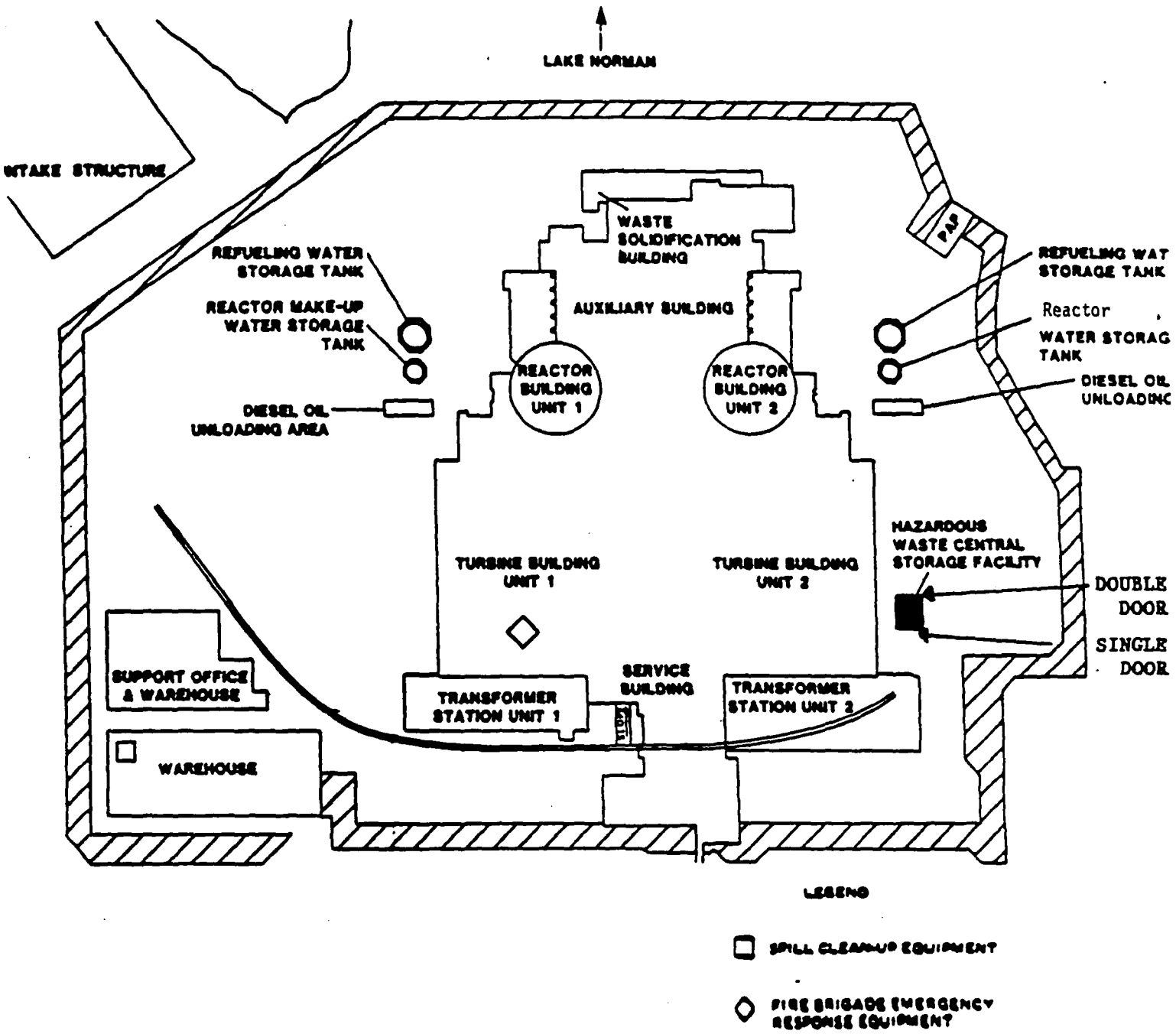
ORGANIZATION	PHONE
Local	
North Carolina Highway Patrol	919/733-3861
Mecklenburg County Police	911
Gilead Fire Department	911
Cornelius Fire Department	911
MEDIC	911
North Mecklenburg Rescue Squad	911
Charlotte Memorial Emergency Room	704/338-2171,2,3,4

ENVIRONMENTAL REGULATORY AGENCIES

(For NEC Use Only)

State	
National Response Center	1-800-424-8802
State Emergency Response	919/733-5291 or 1-800-662-7956 or 919/733-3861
Federal	
EPA Office (Region IV)	404/881-3016

ENCLOSURE 3
SITE PLAN OF HAZARDOUS WASTE STORAGE AREAS WITH LOCATION OF EMERGENCY AND SPILL CLEAN-UP EQUIPMENT



ENCLOSURE 4

EMERGENCY EQUIPMENT AVAILABLE

(For Location of Equipment see Enclosure 3)

Nearest Hose Station - Contains Underwriter's Laboratories/Factory Mutual approved 1½ inch diameter hose located outside of Unit #2 Turbine Building ≅ 50 feet from Hazardous Waste Control Storage Area. The storage sheds containing these hoses are painted red for fire protection identification purposes.

Main Fire Pumps (3) - Located north of the site on Lake Norman, provide water for the fire protection system and have capacities of 2500 gpm each.

Fire Extinguishers - Located in appropriate areas throughout the plant with the capability of handling the following classes of fires:

FIRE CLASS	DEFINITION	TYPE EXTINGUISHER	CAPACITY	DESCRIP
A	Ordinary Combustibles	Multipurpose Dry Chemical	5-15 pounds	Red
		Pressurized Water	5-15 pounds	Silver
B	Flammable Liquid & Gases	Carbon Dioxide	5-15 pounds	Red
		Dry Chemical	5-15 pounds	Red
C	Energized Electricity	Halon 1211 & 1301	5½ pounds	Red
		Dry Chemical	5-15 pounds	Red
		Carbon Dioxide	5-15 pounds	Red

Spill Cleanup Equipment Available - Reference Station Directive 3.1.24, Attachment #3 pages 1-4.

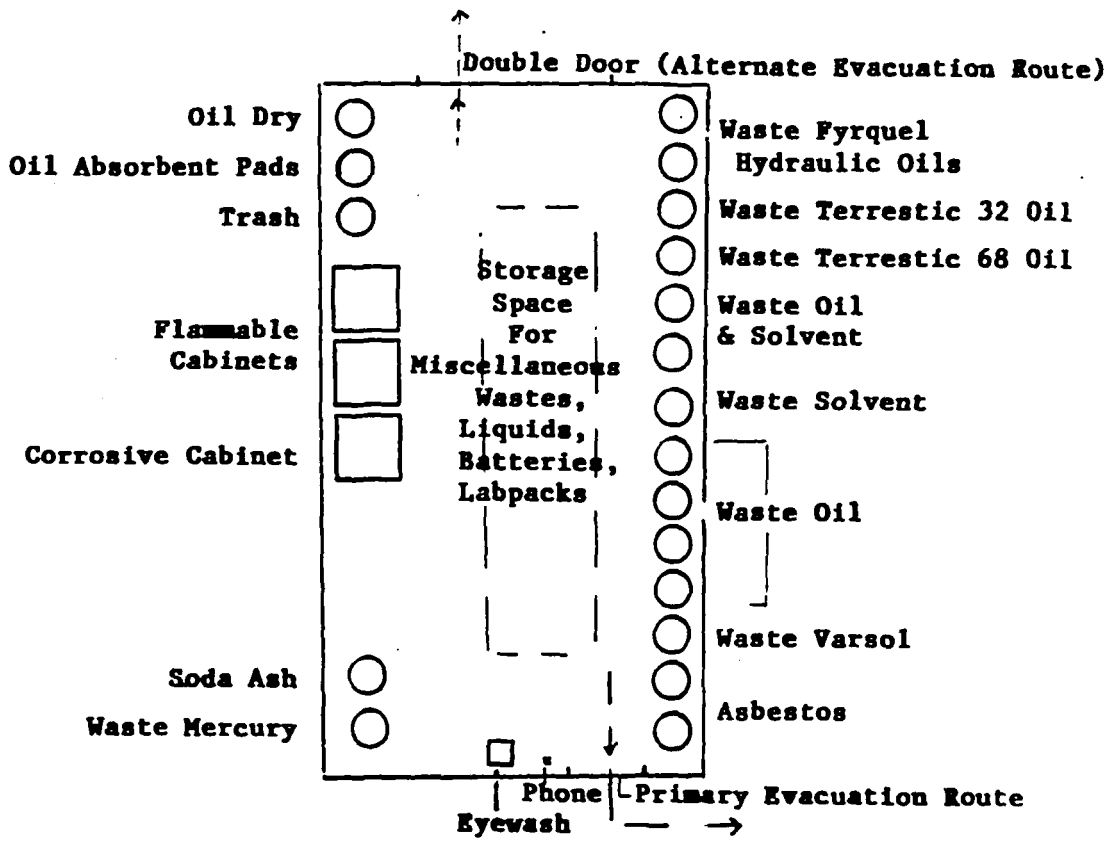
Communication and Alarm Systems - The Control Room will be notified immediately of an emergency via the plant telephone system by dialing Extensions 4911, 4262, 4263, or 4264.

The Control Room Operator shall use the station public address system and the Fire Brigade pagers (911) to alert Fire Brigade or Hazmat Team.

The Security radio system may be used as an alternate means of communication between the scene of an emergency and the Control Room.

Enclosure 5

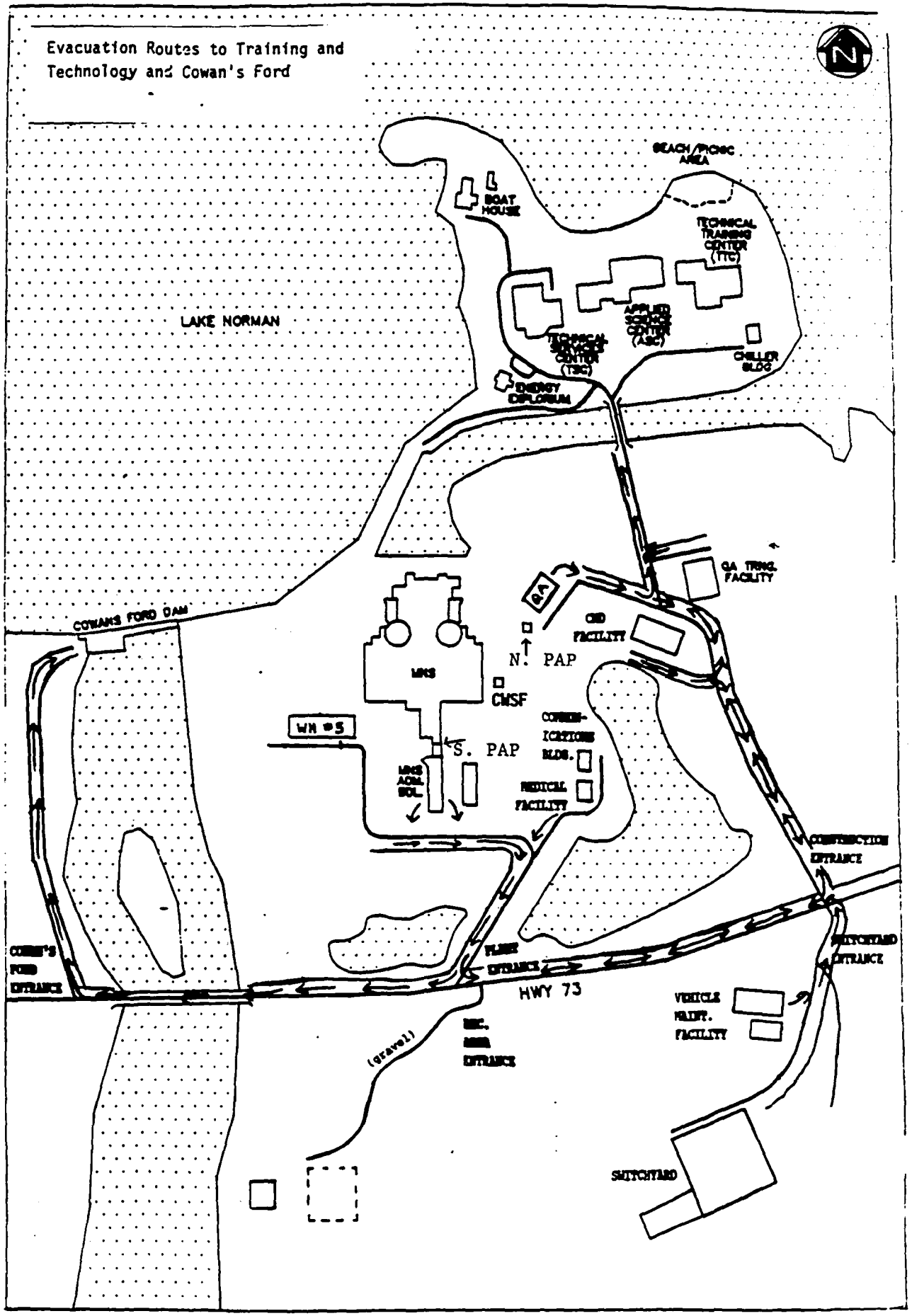
CENTRAL WASTE STORAGE FACILITY (90 day storage)



Roll Up Door — U2 Turbine Bldg — Roll Up Door

ENCLOSURE 6

DUKE POWER COMPANY
McGUIRE COMPLEX
EVACUATION ROUTES



Enclosure 7

Hazardous Wastes (> 1000 lbs) Generated by McGuire Nuclear Station
Nuclear Production Department in 1989
(Examples of Types of Hazardous Waste Generated)

DOT NAME/HAZARD CLASS	APPROX. AMT. GENERATED in 1989	DOT ID NUMBER	DOT EMERGENCY GUIDE #	EPA WASTE CODE #
Waste Flammable Liquid, N.O.S., Flammable Liquid	3500 P	UN1993	27	Varies (D001, F003, F001, F005, D006, D007, D008 D010, D011)
Waste Combustible Liquid, N.O.S., Combustible Liquid	3200 P	NA1993	27	Varies (D001, F003, F001, F005, D006, D007, D008, D010, D011)
Waste Petroleum Naptha, Combustible Liquid	3000 P	UN1255	27	D001
Hazardous Waste Liquid, N.O.S., ORM-E	2000 P	NA9189	31	Varies (F001, (F001, D006, D010, D011)
Waste Battery, Electric Storage, Wet, Filled with Alkali, Corrosive Material	2500 P	UN2795	60	D002 D006
Waste Corrosive Liquid, N.O.S., Corrosive Material	1100 P	UN1760	60	Varies (D001, D002, D006, D007, D008, D011)

Duke Power Company
McGuire Nuclear Station
P.O. Box 488
Cornelius, N.C. 28031-0488

DUKE POWER

LETTER OF AGREEMENT

The following is understood by and between the parties; Duke Power Company (hereinafter referred to as "Duke") and Charlotte Memorial Hospital and Medical Center (hereinafter referred to as the "Hospital").

1. The Hospital will provide medical care and treatment to persons injured at the McGuire Nuclear Station as a result of or in conjunction with a radiation accident. These persons may or may not be Duke employees, may or may not have injuries directly related to radioactive materials, and may or may not suffer from radioactive contamination or irradiation.

2. The number of such persons requiring medical attention shall be small, and the Hospital shall not be expected to treat more than ten such persons with radiation contamination at any one time.

3. Duke shall make every reasonable effort to decontaminate such persons injured at the McGuire Nuclear Station prior to transporting them to the Hospital, and Duke shall be responsible for obtaining transportation for such persons to the Hospital.

4. If a contaminated or suspected contaminated person is transported to the Hospital, Duke Health Physics personnel shall accompany the person to the Hospital.

5. Duke shall communicate relevant information to the Hospital as soon as possible, but not later than the arrival at the Hospital of such persons. This information shall include, but may not be limited to, the apparent extent of injury, the level and/or degree of a person's contamination or irradiation, as well as guidance and assistance regarding contamination evaluation, precautions, and control.

[illegible] its Health Physics personnel available to the Hospital for guidance, consultation, and assistance regarding radiation contamination, evaluation, precautions, and control regarding nuclear accidents which may occur at Duke or other locations where nuclear materials are present.

7. In the event Hospital equipment and facilities are contaminated due to the treatment of Duke employees, their agents or others injured by the actions of Duke employees or agents, Duke shall make available its entire resources to the Hospital to control contamination and decontaminate Hospital equipment and facilities and to the extent necessary to ensure the continued accessibility of the Hospital to the general public. Should treatment of Duke employees or agents contaminate certain areas of the Hospital preventing the general public's access to these areas for more than 24 hours, Duke

shall reimburse the Hospital for lost patient revenues in these areas.

8. Duke shall provide training in radiation protection and care of contaminated or irradiated persons to Hospital selected employees. New selected employees shall receive this training within three months of their initial employment and such training or refresher training shall be available to all hospital selected employees at least once annually. This training shall be conducted at a mutually agreeable location and at the convenience of the Hospital.

9. Should the Hospital or the appropriate physicians determine that a Duke employee or agent requires transfer to another health care facility, Duke shall arrange for such a transfer at Duke's expense with assistance from the Hospital.

10. Duke shall dispose of any contaminated clothing or other waste materials belonging to those persons described in No. 1 above. Duke shall also dispose of all contaminated patient valuables belonging to its employees or agents.

11. Duke shall provide the Hospital those items described in Attachment A to this Letter of Agreement, which attachment is herein incorporated by reference.

12. Duke shall review the Hospital Radioactive Contamination Emergency Plan at least annually and provide the Hospital with assistance and guidance regarding its content.

13. Duke shall be responsible for informing the Hospital in writing as to any recommendation or requirement of any federal, state, or local regulatory body that the Hospital must or should comply with in order to provide the services contemplated hereunder. Should Hospital compliance with such recommendations or requirements [illegible] expenditure of Hospital funds, Duke will be responsible [illegible] appropriate for underwriting, in part or in full, that [illegible]

This Letter of Agreement shall continue to remain in effect unless terminated by either party upon 90 days advance written notice.

ACCEPTED:

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION

BY: Tony L. McConnell
T. L. McConnell, Manager

2/1/89
Date

CHARLOTTE MEMORIAL HOSPITAL
AND MEDICAL CENTER

BY: Harry A. Nurkin
Harry A. Nurkin, President

2/10/89
Date

ATTACHMENT A

MEDICAL DECONTAMINATION SUPPLIES
CHARLOTTE MEMORIAL HOSPITAL

ITEM	GROUP "C" AMOUNT
Eberline E-520/HP-260 Probe	1
Eberline E-120 w/HP-270 Probe	1
Germicidal Spray Cleaner	3
Disposable Towels	10
Poly Bags (various)	6
Fingernail Clippers	1
Smears	25
NuCon Smears	25
Hand Brushes	2
Hand Soap	10
Protective Clothing, provided by Hospital	4
Disposable Rain Suits	2
Tape, Radioactive Material	1
Tape, Masking 2"	6
Tape, Duct 2"	6
HP Form #2 (Smear Survey Form)	4
[redacted]	1
[redacted]	36
Citric Acid [redacted]	1
Hair Clippers, Electric	1
Absorbent Paper	150
Caution Signs w/inserts	5
Rad Rope	1
Pocket Dosimeters (0-200 mR)	25
Dosimeter Charger	1
Cs-137 Check Source (Cs-7A)	1
Disposable Sack Suits	2 boxes

Duke Power Company
McGuire Nuclear Station
P.O. Box 488
Cornelius, N.C. 28031-0488

DUKE POWER

LETTER OF AGREEMENT

This Letter of Agreement is to confirm that the Gilead Volunteer Fire Department (Gilead VFD) will respond to a request by Duke Power Company (Duke) for assistance during a fire emergency or other condition that may require use of firefighting resources within Duke's McGuire Nuclear Station Property. This agreement does not include nor does it have any bearing upon services which Gilead VFD might provide to state or local agencies off the site of McGuire Nuclear Station during any drill or emergency at McGuire Nuclear Station.

It is further agreed that members of Gilead VFD will participate in annual training to include topics in Fire Protection, Radiation Protection, Station Familiarization and Station Security Procedures. This training will be conducted by Duke Personnel under the supervision of the Station Emergency Planner at McGuire Nuclear Station, at a mutually agreeable location and date.

It is further agreed that members of Gilead VFD will participate upon request in such fire or full exercise drills as may be conducted at least annually at McGuire Nuclear Station. These drills will also be conducted under the supervision of the Station Emergency Planner at McGuire Nuclear Station, who will provide written notice of such drills to Gilead VFD.

As compensation for Gilead VFD's agreement to (1) respond to any Duke request for on-site assistance; and (2) participate in training and drills, both as outline herein; Duke agrees to make an annual payment of $5,370.00 to Gilead VFD. Said payment shall be made on or before July 1 of each year.

This letter of agreement shall be reviewed by the parties three years from the date of acceptance. This agreement may be terminated by either party upon at least 30 days written notice to the other party, setting forth such termination and the date it shall become effective.

ACCEPTED:

DUKE POWER COMPANY MCGUIRE NUCLEAR STATION	GILEAD VOLUNTEER FIRE DEPARTMENT
BY: Tony L. McConnell	BY: Rick Reagan
T. L. McConnell, Manager	Rick Reagan, Chief
2/1/89	2-13-89
Date	Date

Duke Power Company
McGuire Nuclear Station
P.O. Box 488
Cornelius, N.C. 28031-0488

DUKE POWER

LETTER OF AGREEMENT

This Letter of Agreement is to confirm that the Cornelius Volunteer Fire Department (Cornelius VFD) will respond to a request by Duke Power Company (Duke) for assistance during a fire emergency or other condition that may require use of firefighting resources within Duke's McGuire Nuclear Station Property. This agreement does not include nor does it have any bearing upon services which Cornelius VFD might provide to state or local agencies off the site of McGuire Nuclear Station during any drill or emergency at McGuire Nuclear Station.

It is further agreed that members of Cornelius VFD will participate in annual training to include topics in Fire Protection, Radiation Protection, Station Familiarization and Station Security Procedures. This training will be conducted by Duke Personnel under the supervision of the Station Emergency Planner at McGuire Nuclear Station, at a mutually agreeable location and date.

It is further agreed that members of Cornelius VFD will participate upon request in such fire or full exercise drills as may be conducted at least annually at McGuire Nuclear Station. These drills will also be conducted under the supervision of the Station Emergency Planner at McGuire Nuclear Station, who will provide written notice of such drills to Cornelius VFD.

As compensation for Cornelius VFD's agreement to (1) respond to any Duke request for on-site assistance; and (2) participate in training and drills, both as outline herein; Duke agrees to make an annual payment of $2,000.00 to Cornelius VFD. Said payment shall be made on or before July 1 of each year.

This letter of agreement shall be reviewed by the parties three years from the date of acceptance. This agreement may be terminated by either party upon at [illegible] notice to the other party, setting forth such termina- [illegible] effective.

ACCEPTED:

DUKE POWER COMPANY MCGUIRE NUCLEAR STATION	CORNELIUS VOLUNTEER FIRE DEPARTMENT
BY: Tony L McConnell	BY: Mike Turner
T. L. McConnell, Manager	Mike Turner, Chief
2/1/89	[illegible]
Date	Date

Duke Power Company
McGuire Nuclear Station
P.O. Box 488
Cornelius, N.C. 28031-0488

(704) 875-4800

DUKE POWER

LETTER OF AGREEMENT

This Letter of Agreement is to confirm that the North Mecklenburg Rescue Squad will respond to a request for ambulance and/or rescue service for any personnel emergency situations including those that may involve radioactive materials.

In the event a radiation accident occurs at the McGuire Nuclear Station, it is understood that every effort will be undertaken at the Station to decontaminate all personnel (medical condition permitting) prior to transportation to a medical facility. In the event a contaminated patient is transported in a North Mecklenburg vehicle, it is agreed that a member of the McGuire Nuclear Station Health Physics department will accompany the patient enroute to a medical facility.

It is further understood that McGuire Nuclear Station is responsible for contamination control and decontamination of the North Mecklenburg Rescue Squad vehicles and equipment in the event that they may become contaminated with radioactive materials. This responsibility for contamination control is available to the extent necessary to ensure the continued accessibility of the North Mecklenburg Rescue Squad vehicles and equipment to members of the general public.

It is also agreed that members of the North Mecklenburg Rescue Squad will participate in annual training to include topics in Radiation Protection and Care of Contaminated/Irradiated personnel. New members will receive this training by contacting the Station Emergency Planner at McGuire Nuclear Station, telephone: 875-4689. The above training will be conducted by McGuire Nuclear Station personnel at a mutually agreeable location and at the convenience of the North Mecklenburg Rescue Squad.

In consideration for the above agreements, Duke Power Company will provide annual financial aid to North Mecklenburg Rescue Squad. The amount of financial aid will be reviewed each year.

ACCEPTED:

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION

BY: Tony L. McConnell
T. L. McConnell, Manager

2/1/89
Date

NORTH MECKLENBURG RESCUE SQUAD

BY: [illegible]
Thomas D. Griffith, ~~Chief~~

2/23/89
Date

Duke Power Company
McGuire Nuclear Station
P.O. Box 488
Cornelius, N.C. 28031-0488

(704) 875-4000

DUKE POWER

LETTER OF AGREEMENT

This Letter of Agreement is to confirm that Mecklenburg County Emergency Services (MEDIC) will respond to a request for ambulance and/or rescue service for any personnel emergency situations including those that may involve radioactive materials.

In the event a radiation accident occurs at the McGuire Nuclear Station, it is understood that every effort will be undertaken at the Station to decontaminate all personnel (medical condition permitting) prior to transportation to a medical facility. In the event a contaminated patient is transported in a MEDIC vehicle, it is agreed that a member of the McGuire Nuclear Station Radiation Protection department will accompany the patient enroute to a medical facility.

It is further understood that McGuire Nuclear Station is responsible for contamination control and decontamination of MEDIC vehicles and equipment in the event that they may become contaminated with radioactive materials. This responsibility for contamination control is available to the extent necessary to ensure the continued accessibility of MEDIC vehicles and equipment to members of the general public.

It is also agreed that members of MEDIC will participate in annual training to include topics in Radiation Protection and Care of Contaminated/Irradiated personnel. New members will receive this training by contacting the Station Emergency Planner at McGuire Nuclear Station, telephone: 875-4689. The above training will be conducted by McGuire Nuclear Station personnel at a mutually agreeable location and at the convenience of MEDIC personnel.

ACCEPTED:

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION

BY: Tony L. McConnell
T. L. McConnell, Manager

5/12/89
Date

MECKLENBURG COUNTY EMERGENCY SERVICE

BY: Frank Hoffmeister
Frank Hoffmeister, Director

5/15/89
Date

MEMORANDUM OF UNDERSTANDING
BETWEEN THE STATE OF NORTH CAROLINA
AND DUKE POWER COMPANY

1. Purpose

This Memorandum of Understanding establishes an agreement between the State of North Carolina and Duke Power Company relative to planning and exercising for and responding to an incident at the McGuire or Catawba Nuclear Stations that might affect the health and safety and property of the citizens of North Carolina and/or give cause for public concern.

2. Authority

a. North Carolina General Statutes 143B-476 et seq

b. North Carolina General Statutes 166A-1 et seq

3. Background

Duke Power Company has two nuclear power plants that are required by the Nuclear Regulatory Commission to have detailed off-site contingency plans for response to events or emergencies which may affect the citizens of North Carolina. In the case of an incident the successful implementation of these plans will require a coordinated effort of local and state governments, and Duke Power Company. Under North Carolina General Statutes the responsibility for this planning and the authority to direct the State response lies with the Secretary of the Department of Crime Control and Public Safety.

4. Agreement

a. It is understood that the State of North Carolina, with the assistance of Duke Power Company, will:

-Prepare and maintain both state and county contingency plans as required by the Nuclear Regulatory Commission and the Federal Emergency Management Agency;

-Periodically exercise these plans in accordance with federal requirements;

-Maintain a 24-hour alert, notification, and response capability, and

-Respond with all available and necessary resources in case of an actual emergency at the plants.

b. It is also understood that Duke Power Company, with the assistance of the State, agrees to:

-Promptly advise the State and local governments of any incidences that might affect or cause concern to the citizens of North Carolina;

-Cooperate with the State in the development, exercising, and implementation of emergency plans to protect the health and safety of the public in the event of a nuclear accident;

-Permit the State to periodically review environmental radioactive monitoring programs; and

-Make equipment and personnel available to assist the Radiation Protection Section of the Department of Human Resources in its radiation assessment and monitoring responsibilities.

This agreement shall commence with the signing of this Memorandum of Understanding and shall continue until expressly revoked.

July 28, 1986
Date

Joseph W. Dean
Secretary
Dept. of Crime Control & Public Safety

July 15, 1986
Date

Utility Representative

Duke Power Company
McGuire Nuclear Station
P.O. Box 488
Cornelius, N.C. 28031-0488

(704) 875-4000

DUKE POWER

LETTER OF AGREEMENT

This Letter of Agreement is to confirm that the Charlotte-Mecklenburg Emergency Management Office will plan for and assist in the management of a radiological emergency at McGuire Nuclear Station. This planning and assistance will be in accordance with the county disaster plan and in accordance with the special aspects of this plan for the McGuire Nuclear Station.

It is understood that the McGuire Nuclear Station will provide early notification of an emergency condition to the Mecklenburg County Warning Point as soon as the condition is discovered. In addition to early notification it is agreed that the McGuire Nuclear Station will provide other information including protective action recommendations, plant status information, actual and projected exposure data for members of the general population, meteorological information, requests for support of off-site agencies and a prognosis for worsening or termination of any emergency condition.

It is also agreed that the Charlotte-Mecklenburg Emergency Management Office will utilize existing warning and notification methodology to ensure that members of the general population in Mecklenburg County are adequately informed of any protective actions that may be required in the event a radiological emergency may exist at McGuire Nuclear Station.

ACCEPTED:

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION

BY: Tony L. McConnell
T. L. McConnell, Manager

2/1/89
Date

CHARLOTTE-MECKLENBURG EMERGENCY
MANAGEMENT OFFICE

BY: Wayne Broome
Wayne Broome, Director

2-2-89
Date

5. Report monitor readings to the EOC and plot and interpret this information.

6. Recommend measures to lessen radiation hazards for the public and emergency workers.

7. Recommend measures for controlling the spread of radiation.

8. Provide radiological technical direction to other agencies.

9. Make recommendations for evacuation of threatened communities and for subsequent reentry and recovery.

10. Serve as a lead agency for assessment of radiological damage to land, crops, livestock and other personal property.

11. Designate a representative to SERT to coordinate technical advice and assistance with State radiation protection personnel.

12. Assist State radiation protection personnel after the State has assumed command and control of all off-site protective actions.

G. **County Police Chief.**

1. Operate the county warning point 24 hours a day and notify local government officials when notice is received of a radiation emergency at the McGuire Plant.

2. Designate a briefing officer for the EOC.

3. Be prepared to assist in warning the general public of reported radiation emergencies at the McGuire Plant.

4. Provide traffic control for evacuation and in the vicinity of shelters. Reroute traffic around contaminated areas.

5. Coordinate the warning and notification operations on Lake Norman and the Catawba River.

6. Assist emergency response personnel in the monitoring of evacuees and vehicles for contamination.

7. Direct contaminated persons and vehicles to designated decontamination stations.

8. Protect public and private property against looting and other threats.

ide Law Enforcement functions at decontamination ions.

urg County Fire Marshall's Office.

rdinate with volunteer fire departments in ning the general public of reported radiation rgencies at the McGuire Plant.

ablish and operate decontamination stations.

prepared to decontaminate equipment, roads or ictures, if required.

vide area lighting with generators and flood nt sets, if required.

vide equipment and personnel to conduct search rescue missions.

vide fire protection.

icy **Medical Services Director.**

n for the evacuation of Huntersville Hospital the Mecklenburg County Home for the Aged, if uired.

ect emergency medical services and rescue squads Mecklenburg County.

vide communications with hospital, ambulances, rescue squads.

tain additional ambulance and rescue resources, needed.

Services Director.

sist American National Red Cross and UNCC in elter management.

ovide personnel for training in shelter nagement and radiological monitoring, as uested.

an, Agricultural Extension Service.

ssist the U.S. Department of Agriculture (Local ood & Agriculture Council) in locating and eporting sources of uncontaminated feed for ivestock in evacuated areas, if necessary.

ssist in assessing the impact of contamination of ivestock, produce and processed food, as needed.

Duke Power Company
McGuire Nuclear Station
P.O. Box 488
Cornelius, N.C. 28031-0488

(704) 875-4000

DUKE POWER

July 17, 1989

MEMORANDUM

To: North Carolina Highway Patrol
Mecklenburg County Police
Gilead Fire Department
Cornelius Fire Department
MEDIC
North Mecklenburg Rescue Squad
Charlotte Memorial Emergency Room
N.C. State Emergency Response

Subject: McGuire Nuclear Station
Hazardous Waste Contingency Plan

Dear Sirs:

The attached document is a revision of the Hazardous Waste Contingency Plan for McGuire Nuclear Station. McGuire is required to distribute this document to local emergency response agencies. The Hazardous Waste Emergency Coordinators (page 6 of 9) have changed since the last revision. Several other minor changes have been made to the document. Please discard any previous versions of this document which your agency has on file and retain this document for your reference in the event of a fire, explosion, or release of hazardous waste or hazardous waste constituents at McGuire Nuclear Station which could threaten human health or the environment.

Call me at (704) 875-4121 if you have any questions regarding this document.

David W. Phillips
Environmental Compliance Coordinator
McGuire Nuclear Station

ACB/mgc

cc: J.R. Leonard
R.O. Sharpe

Duke Power Company
P.O. Box 33189
Charlotte, NC 28242

(704) 875-5100

DUKE POWER

May 9, 1990

MEMORANDUM

TO: North Carolina Highway Patrol
Mecklenburg County Police Department
Gilead Fire Department
Cornelius Fire Department
MEDIC
Charlotte Memorial Hospital
N.C. State Emergency Response

SUBJECT: McGuire Nuclear Station/CMD-North
CMD-North's Hazardous Waste Contingency Plan

Dear Sirs:

The attached document is a revision of the Hazardous Waste Contingency Plan for McGuire Nuclear Station/Construction and Maintenance Department - Northern Division (CMD-North).

This revision includes the following changes:

1. Updated list of company emergency telephone and beeper numbers (page 12).

2. MEDIC emergency telephone number has been changed to 911 (page 14).

3. Fire Brigade Equipment List has been updated (page 15 - 17).

4. Addition of two (2) new hazardous waste satellite accumulation areas, i.e., blast yard and tool repair shop (Appendices B and C).

Please discard any previous versions of this document which your agency has on file and retain this document for your reference in the event of a fire, explosion or release of hazardous waste or hazardous waste constituents at CMD-North which could threaten human health or the environment. This document should be kept on file in addition to the McGuire Nuclear Station's Hazardous Waste Contingency Plan dated January 1, 1990.

If you have any questions regarding this document, please call Pam Simpson at (704) 875-5100, extension 3248.

Pam Simpson

Pam Simpson
Environmental Engineer
Technical Services Section
CMD-North

PRS/ssr

Enclosure

xc: D W Phillips

DUKE POWER COMPANY

Construction and Maintenance Department
Northern Division

HAZARDOUS WASTE CONTINGENCY PLAN

Rev. 1 5/8/90

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III. Implementation

IV. Notification

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VIII. Evacuation Plan

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1. Emergency Coordinators
2. General Office Notification List
3. Emergency Contacts
4. Fire Fighting Equipment
5. Spill Control Equipment

XI. Appendix

A. Discarded Material Storage Building Plan

B. Main Complex

C. Blasting Tent

D. Facility Site Plan

CONTINGENCY PLAN

The following information is submitted in accordance with the requirements for a contingency plan contained in 40 CFR 262.34 and 265 subpart D in STANDARDS FOR GENERATORS OF HAZARDOUS WASTES. The intent of subpart D is to ensure that facilities that treat, store, or dispose of hazardous waste have established the necessary procedures in the event of an emergency situation.

I. General Information

The Construction and Maintenance Department - Northern Division (CMD-N) is located at the McGuire Nuclear Station just off Highway 73 in Mecklenburg County. CMD-North is a generator of hazardous waste through routine maintenance operations such as painting. This Contingency Plan has been developed for the CMD-North location in case of a hazardous waste leak, spill or fire.

CMD-North has a generator identification number of NCD 108 706 029 from the United States Environmental Protection Agency and the North Carolina Department of Natural Resources. This number allows CMD-North to:

a. Store hazardous waste on-site for less than 90 days;

b. Offer hazardous waste for transport by a properly permitted transporter; and

c. Offer hazardous waste for treatment and/or disposal by a properly permitted facility.

Hazardous wastes are stored on-site in the Discarded Materials Storage Building (90-day storage area) and in various satellite accumulation areas. The site plan showing these locations can be found in the Appendix.

Hazardous wastes generated on-site are usually waste paint and thinners and a waste oil/solvent mixture. Each drum is labeled as: RQ Waste Paint Related Material, NA1263, (F003, F005, D001), Flammable Liquid, and RQ Waste Flammable Liquid, UN 1993, (D001), Flammable Liquid, respectively.

II. Emergency Coordinators

If an emergency situation (i.e., fire, spill or leak) develops at the site, the discoverer will notify the Safety Department immediately. The Safety Department will immediately notify the Emergency Coordinator (during regular work hours or the on-duty Emergency Coordinator (after regular work hours). The primary Emergency Coordinator is the Hazardous Waste Coordinator in case of a spill. In case of a fire or explosion the primary Emergency Coordinator is the Fire Brigade Chief.

Table 1 lists the names, addresses, office and home phone numbers of the Emergency Coordinators. Table 1 gives the order in which the Emergency Coordinators should be called. The Emergency Coordinator is authorized to commit the necessary resources to

implement the contingency plan and to protect human health and the environment.

III. Implementation

The decision to implement the contingency plan depends on whether an imminent or actual incident could threaten human health or the environment. The emergency coordinator will use his/her professional judgement in making this decision in the event of an emergency.

A minor incident is one that affects only a local area of the site. The contingency plan will be implemented for a minor incident, with the exclusion of notification of the outside authorities.

An emergency is a situation which, directly or indirectly, has the potential to threaten human health or the environment. The emergency coordinator will be responsible for implementing the contingency plan and notifying the McGuire SPCC Coordinator, who will in turn notify the General Office emergency contacts. Please see Table 2 for call sequence and emergency numbers.

IV. Notification

The emergency coordinator will notify the SPCC coordinator at the McGuire Nuclear Station. The MNS coordinator will make the necessary notifications to the general office personnel and they will make any necessary notifications to outside agencies. The report to the general office personnel and outside agencies will include:

-Name and telephone number of the reporter

-Name and address of the company

-Time of emergency

-Type of incident (release, fire)

-Name and quantity of material involved

-Extent of any injuries

-Any possible hazards to human health or the environment.

V. Emergency Response Procedures

A. Notifications

Any spill or fire should be immediately reported to the safety department and the hazardous waste coordinator. The responsibility for initial control and notification of any emergency accident rests with all CMD-North employees, particularly with the one who first detects the incident.

The hazardous waste coordinator will be responsible for notifying the SPCC coordinator at MNS. He/she will determine whether or not the spill/fire should be reported to the federal, state and local agencies.

B. Identification of Hazardous Materials

The hazardous waste coordinator will immediately identify the characteristics of the waste, exact source, amount and extent of the release. The waste characteristics can be identified by simply reading the hazardous waste label on the container. If the container cannot be read, the waste characteristics can be identified from the drum inventory sheet and/or the material safety data sheet.

C. Hazard Assessment

The hazardous waste coordinator will be responsible for assessing the possible hazards to the environment and human health. Evacuation of the entire plant site will not be necessary due to the size of the site and location of the Discarded Materials storage building and main complex. Evacuation of the area immediately surrounding the discarded materials storage building and the main complex may be required during an emergency. Safety and security personnel will be present to direct employees safely around the incident.

D. Control Procedures

In case of a fire and/or explosion, the following actions will be taken:

1. If possible, extinguish fire with portable fire extinguishers located in the area.

2. If possible, remove and isolate the problem container(s).

3. Call the safety department at extension 3676 or 5911. The site fire brigade team will be in charge of extinguishing the fire. The area will be cleared of all personnel not actively involved in fighting the fire.

4. Any injured employees will be taken to the on-site medical center.

5. All unnecessary traffic will be routed away from the area to ensure that the emergency equipment has free access.

The brigade fire chief, or in his absence, an assistant fire chief will evaluate, direct and be responsible for all actions of the fire brigade.

In case of a chemical spill/leak, the following actions will be taken:

1. The employee first discovering the spill should immediately notify the Safety department.

2. Every effort should be made to contain the spill/leak to the smallest area possible, using oil absorbent material and a shovel. Any chemical spill/leak must be prevented from entering the floor and storm drains.

3. Remove and isolate all unaffected drums, so that emergency personnel and equipment can move freely. If flammable waste is involved, remove all ignition sources.

4. The damaged container will be repacked or placed in an over-pack drum. Oil absorbent and any contaminated soil will be removed and placed in a 55 gallon drum.

Should any spill enter into the floor and/or yard drains, they could be cleaned up in the nuclear service water pond (NSWP). All yard drains flow into the NSWP. Methods for collecting any spills would be skimming the NSWP, collecting the spill in one section and pumping material off or using a boom.

VI. Emergency Equipment

A. Fire Fighting Equipment

Fire extinguishers used for extinguishing small fires are located in each corner of the discarded materials storage building in each satellite accumulation area, and throughout the main complex. All portable fire extinguishers are inspected monthly. See Table 4 for a complete list of CMD-North's fire protection equipment.

B. Spill Control Equipment

At the discarded material storage building and at each satellite storage area, oil absorbent and a shovel are stored in the spill control kit.

CMD-North has various earth-moving equipment on site to help contain very large spills and to assist in clean up situations. Other spill control equipment is located at the McGuire Nuclear Station. For a complete list of spill control equipment, please see Table 5.

C. First Aid and Medical Supplies

All first aid and medical supplies are located in the McGuire Nuclear Station medical center located adjacent to the CMD site. Injuries will be treated by the Medical Emergency Response Team (MERT), site nurses, site fire brigade EMT's and the site physician.

D. Personal Protective Equipment

All necessary protective equipment for the fire brigade is located in the fire brigade room inside the main complex.

E. Emergency Communication Devices

A telephone is located in the discarded materials storage building and throughout the main complex. All supervisory personnel are assigned a beeper. The site also has a PA system.

All emergency equipment listed in this contingency plan will be cleaned and fit for its intended use before storage operations are resumed.

VII. Coordination Agreements

Arrangements have been made with local outside emergency organizations listed below. Each organization has or will receive a copy of the contingency plan.

When a hazardous waste emergency escalates beyond control capabilities of site personnel, the following agencies shall be notified and will perform according to our existing agreements with the agencies as follows:

A. Gilead Volunteer Fire Department and the Cornelius Fire Department will respond to fires or major leaks/spills of hazardous waste. Upon arriving at the site, the commanding officer of this department will meet with the project fire brigade chief (or his designee) to plan an attack strategy. The brigade chief will order his members to assist as necessary and will remain the response director for both agencies. The Gilead VFD maintains several vehicles, air packs, turnout gear and is familiar with foam generation fire fighting techniques. The fire brigade chief will order and direct the scene and necessary actions as dictated by the conditions.

B. The Mecklenburg County Police and/or N.C. Highway Patrol will be called upon to assist with traffic flow and prohibit entry of nonessential personnel. The Security Chief/Safety supervisor or designee will meet with the ranking officer on the scene to coordinate these activities. The Chief of the Mecklenburg County Police has been notified to allow entry to only those authorized Duke Power employees with identification cards and to emergency response agencies.

C. For medical emergencies that require outside facilities, the North Mecklenburg Ambulance Service will be asked to respond and to provide transportation to Charlotte Memorial Hospital.

D. For all emergencies during which outside response agencies are utilized, the Mecklenburg County Health Department and the North Carolina Department of Human Resources, Environmental Health Section, will be notified by the appropriate personnel.

VIII. Evacuation Plan

Because of the size of the entire facility and the location of the discarded material storage building, it is very doubtful that a complete evacuation of the entire site will be necessary. However, an evacuation of the immediate area of the discarded materials storage building and main complex may be necessary.

The emergency coordinator, using his professional judgment, will determine if an evacuation is necessary. In the event of a major emergency, the following procedure will be followed:

1. If the emergency coordinator determines an evacuation is necessary, an announcement will be made over the PA system. If the evacuation area is downwind of the incident, evacuation will be perpendicular to the wind direction over the most accessible route. If the evacuation area is upwind of the incident, evacuation will be in any direction except the upwind direction.

2. No further entry of visitors or vehicles will be allowed in the area.

3. All personnel and visitors will move to the rally point designated by their supervisor. All supervisors should get the names of any missing persons in their crew and report the names to the emergency coordinator, who will in return report these names to the security department. Visitors will be the responsibility of the employees they are visiting.

4. No persons shall reenter the area unless specifically authorized by the emergency coordinator. No attempt to find persons unaccounted for will involve endangering the lives of others. Reentry into the area will only be made after the emergency coordinator has given clearance.

For more information on the evacuation plan, please see Appendices.

IX. Follow Up Reports

Within 15 days after an incident, Duke Power will submit a written report to the regional administrator and appropriate state and local authorities containing the following information:

a. Name, address and telephone number of the facility;

b. Date, time and type of incident;

c. Name and quantity of materials involved;

d. Extent of injuries, if any;

e. An assessment of actual or potential hazards to human health or the environment.

f. Estimated quantity and disposition of recovered material that resulted from the incident.

The contingency plan will be reviewed and amended, if necessary, whenever:

- Any portion of the plan fails in an emergency.
- The facility changes in its design, construction, operation, maintenance, or other circumstances in a way that increases the potential for emergencies or changes in the response necessary in any emergency.
- The list of emergency coordinators changes.
- The list of emergency equipment changes.

In addition, this plan will be automatically reviewed annually by the hazardous waste coordinator.

TABLE I

EMERGENCY COORDINATORS

(Please notify in order listed, if possible)

	NAME	ADDRESS	TELEPHONE NO.
1.	*Pam Simpson	Huntersville, N.C.	875-5100 (CMD-North) ext. 3248 875-3805 (home)
2.	Eddie Faulkner	Lincolnton, N.C.	875-5100 (CMD-North ext. 5158 735-5790 (home)
3.	**Kenny Beal (Fire Brigade Chief)	Maiden, N.C.	875-5100 (CMD-North ext. 3958 428-2851

* - Denotes primary Emergency Coordinator in case of a spill

** - Denotes primary Emergency Coordinator in case of a fire or explosion

TABLE 2

EMERGENCY NOTIFICATION
FLOWCHART

Employee Discovering Spill/Fire

↓

Emergency Number

x-5911
x-3676

↓

CMD-North Hazardous Waste Coordinator

x-3248
Beeper-513

↓

MNS SPCC Coordinator

Microwave 8-777-1603
Charlotte 382-1308, at beep, dial 1603
Outside Charlotte 1-800-777-DUKE(3853), at beep, dial 1603

↙ ↘

Nuclear Environmental
Compliance (GO)

Microwave 8-777-9446
Charlotte 382-1308, at beep, dial 9446
Outside Charlotte 1-800-777-DUKE(3853), at beep, dial 9446

Outside Emergency Contacts
(if necessary)

(see Table 3)

TABLE 3

EMERGENCY CONTACTS

Federal and State Agencies:

-N.C. State Emergency Response
116 West Jones Street
Raleigh, N.C. 27603-1335
(919) 733-3867

-Environmental Protection Agency
Region IV Response Center
(404) 347-4062 (24-hour number)

-North Carolina Department of Natural Resources
P.O. Box 27687
Raleigh, N.C. 27611
Oil/Chemical Release/Spills
(919) 733-5291

-Mooresville Regional Offices
919 North Main Street
P.O. Box 950
Mooresville, N.C. 28115

-Mecklenburg County Department of Environmental Health
1200 Blythe Boulevard
Charlotte, N.C. 28203
(704) 376-4603

-OSHA Area Director
N.C. Department of Labor
214 West Jones Street
Raleigh, N.C. 27603
(919) 733-4880

Outside Agencies:

-Gilead Volunteer Fire Department
Highway 73
Huntersville, N.C.
DIAL 911

-Mecklenburg County Police Department
618 North College Street
Charlotte, N.C.
DIAL 911

TABLE 3, continued

-North Mecklenburg Ambulance, Inc.
P.O. Box 404
Davidson, N.C. 28036
DIAL 911

-Charlotte Memorial Hospital
P.O. Box 32861
Charlotte, N.C. 28232-2861
(704) 331-2121

-Cornelius Volunteer Fire Department
Town of Cornelius
Cornelius, N.C. 28031
(704) 336-3333

-N.C. Highway Patrol
Highway 29 North
Charlotte, N.C.
(704) 547-0042

-MEDIC
618 N. College Street
Charlotte, N.C.
DIAL 911

TABLE 4

Fire Fighting/Spill Control Equipment

Fire Buggy Located in Main Parking Lot:

2 - 1 1/2 inch adjustable nozzles

1 - 700 ft. 1 1/2 inch hose

2 - H_2O extinguishers

4 - 20 lb BC dry chemical extinguishers

4 - 15 lb CO_2 extinguishers

2 - Lanterns (6 volt)

2 - Axes

1 - Crowbar

1 - Wrecking bar

1 - Shovel

1 - Hydrant wrench

2 - 2 1/2 inch spanner wrenches

2 - 1 1/2 inch spanner wrenches

2 - Gated Y-s (2 1/2 to 1 1/2)

Various adapters for 1/1/2 inch and 2 1/2 inch hoses

Fire Buggy Located in Storage Yard:

1 - 500 ft 2 1/2 inch hose

1 - 350 ft 1 1/2 inch hose

2 - Gated Y's

2 - 1 1/2 inch adjustable nozzles

1 - Axe

1 - Crowbar

1 - Hydrant wrench
2 - 2 1/2 inch spanner wrenches

TABLE 4, (continued)

FIRE EQUIPMENT - FIRE BRIGADE ROOMS

20 Sets of turnout gear including - trousers, coats, helmets, faceshields, gloves, and boots

8 Interspiro SCBA's, 4500 P.S.I.

8 Spare SCBA bottles, 4500 P.S.I.

3 Smoke ejector fans

400' 110 volt drop cords

3 Door bars for fans

3 Portable fire extinguishers

3 Walkie-Talkies with chargers

400' Rope

2 Stokes baskets

1 Spine board

1 Orthopedic stretcher

2 Folding cots

2 Shovels

5 Axes

1 Hare traction splint

2 Sandbags

Sprinkler wedges

Safety belts

Light-weight haz mat suits with gloves

Disposable coveralls

Pneumatic splints

9 Life preservers

Frac/pak

Medical kit/first aid

1 Pollygiss rescue device

Repelling equipment

450' 2 1/2" Hose

150' 1 1/2" Hose

FIRE EQUIPMENT - HAZARDOUS MATERIALS STORAGE BUILDING

Foam cart

Polydot Foam in plastic containers

TABLE 5

Spill Control Equipment

Material	MMIS No.	Min. Quantity	Max. Quantity
Oil Absorbent Boom	0598-1096	12	48
Oil Dry (50 lb bags)	0598-0425	1000	2500
Conwed Rolls	0598-0430	3	6
Oil Sheets	0598-0439	75	135
Fiberperl	0598-0435	3	6

These items can be found in the warehouse.

APPENDIX A

FIRE/EMERGENCY PLAN FOR DISCARDED MATERIALS STORAGE BUILDING

LOCATION: "C" Parking Lot - CMD-Northern Division Headquarters

SIZE: 80' 8" X 50'

STRUCTURE: Brick and mortar construction with concrete floors and containment trenches. Elevated concrete berms at floor edges. Completely sprinklered and provided with eyewash stations. Water systems provided with heat type protection to prevent freezing.

NEAREST HYDRANT:

Two hydrants are provided for this structure. One is located approximately 30 feet from the structure. The second hydrant is located across the access road between "C" and "A" parking lots.

CONTENTS: Discarded paints, solvents, corrosives, and oils contained in one to fifty gallon containers.

ACCESS: Two double doors allow access to each of the two sections of the building. Door width is adequate to accommodate a standard sized forklift. The building is a single story structure without stairwells.

FIRE STRATEGY:

Approach structure from down wind side, avoid vapors and smoke.

Use self contained breathing apparatus for interior structural fire fighting.

Use water stream to cool containers adjacent to fire involved materials.

Use fire extinguishers or foam to extinguish blaze.

Contain water run off by use of sorbent material, straw bales or trenching.

Close post indicator valve to isolate sprinkler system once fire is extinguished.

Place spilled material into fifty five gallon drums.

Place contaminated soil into fifty five gallon drums.

Maintain a continuous fire watch until all containers are cooled.

PERSONNEL NOTIFICATION:

Notify the Supervisor, Safety & Security

Notify the McGuire Station Shift Engineer

Notify the CMD North Environmental Coordinator

(Layout blueprint attached)

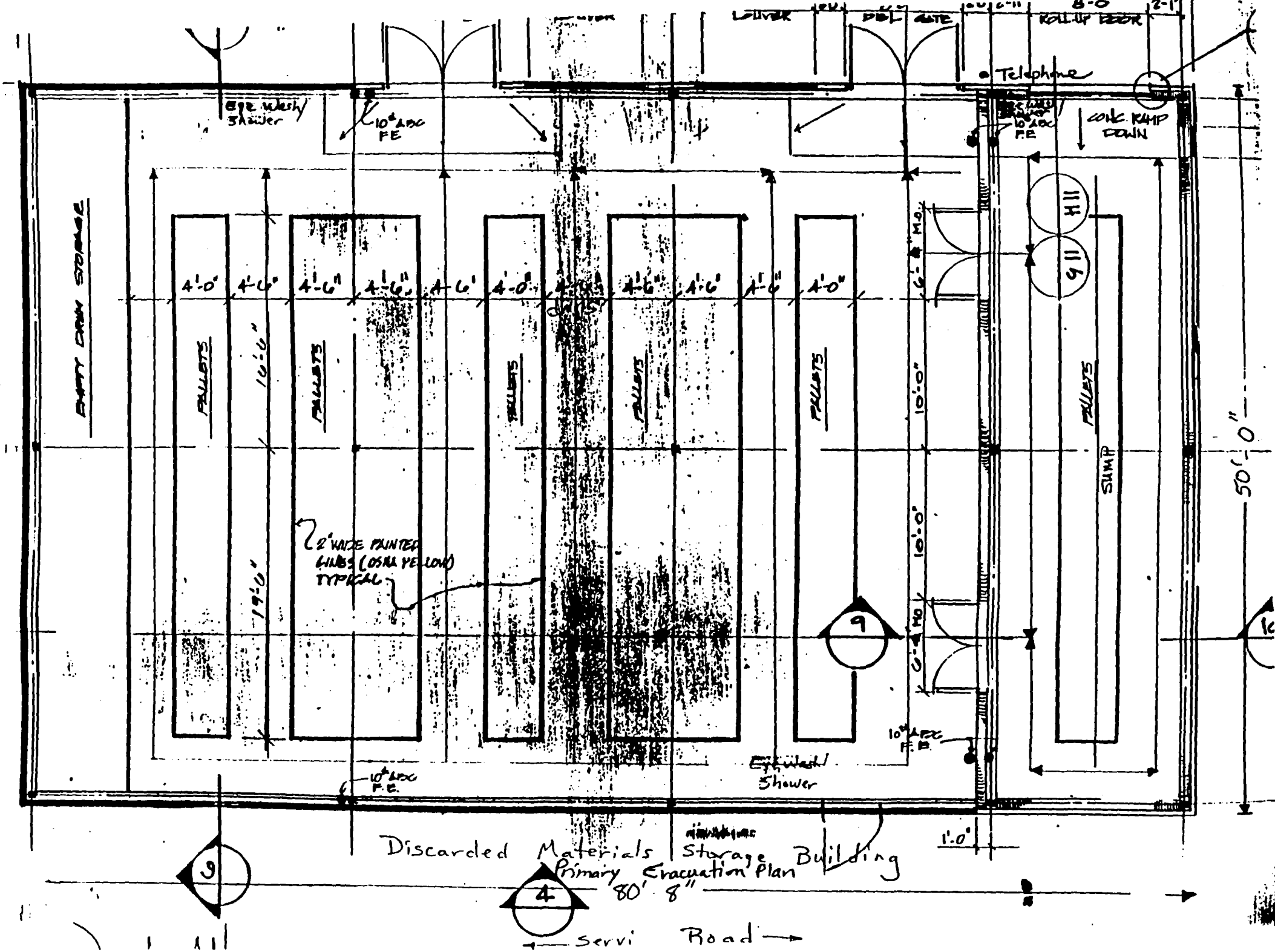
DISCARDED MATERIALS STORAGE BUILDING
EVACUATION PLAN

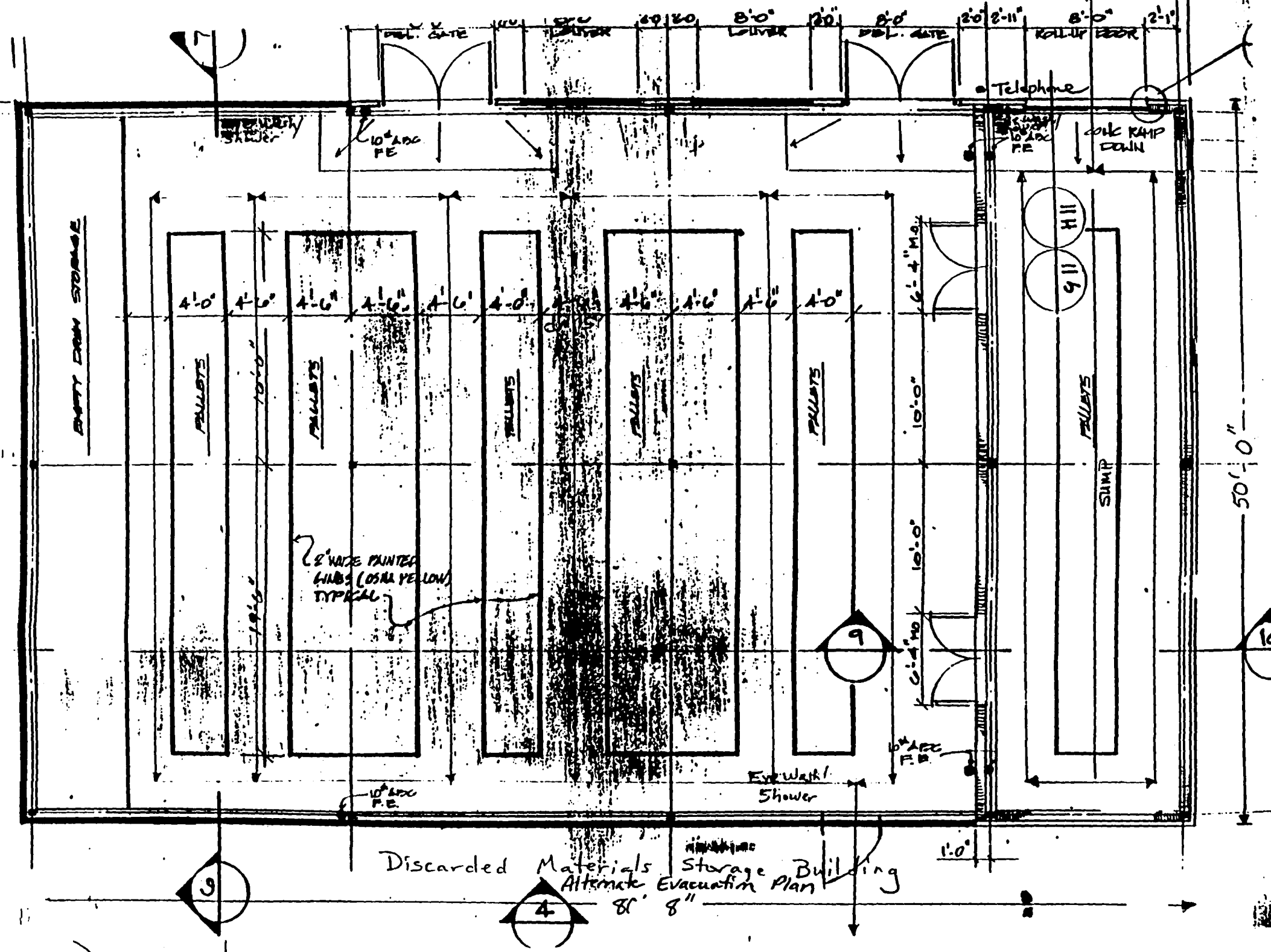
Primary Evacuation Route

* Exit the nearest door on side opposite the service road (main entrance);
* From the climate control section, exit the double doors nearest through to the outside door.

Secondary Evacuation Route

* Exit door on service road side; or
* Exit the roll-up door in the climate control section.


LOUVER
DBL GATE
8'-0"
ROLLUP DOOR
Telephone
Eye Wash/ Shower
10# ABC F.E.
CONC. RAMP DOWN
EMPTY DRUM STORAGE
PALLETS
4'-0"
4'-6"
4'-6"
4'-6"
4'-6"
4'-0"
4'-6"
4'-6"
4'-6"
4'-6"
4'-0"
16'-6"
19'-6"
2' WIDE PAINTED LINES (OSHA YELLOW) TYPICAL
6'-0" MO.
10'-0"
10'-0"
6'-0" MO.
9
H11
911
SUMP
50'-0"
Eye Wash/ Shower
1'-0"
Discarded Materials Storage Building
Primary Evacuation Plan
80' 8"
Servi Road



Discarded Materials Storage Building
Alternate Evacuation Plan

APPENDIX B

CMD-NORTHERN DIVISION COMPLEX
FIRE/EMERGENCY PLAN

Upon occupying the new facility all employees must familiarize themselves with their work area, including:

A. Two routes to evacuate the work area
B. The closest fire alarm pull station to their work area
C. The closest fire extinguisher to their work area
D. The closest fire hose cabinet to their work area

In the event of a fire the first measure should be to alert other employees in the area and to report the fire by calling extension 3676 or by pulling the area fire alarm station. If the fire is small and you know how to use portable fire extinguishers, attempt to extinguish the fire if you can do so without endangering your safety. Always report the fire before you attempt to extinguish it.

Supervisors should designate an assembly point outside of the facility for their crew to gather in the event that the building must be evacuated.

Recently, our area has been struck by a series of violent weather incidents. When such weather threatens, for example a tornado warning, an announcement will be delivered over the Public Address System. When tornado warnings are issued, employees should move to the lower floor of the structure and move towards the inside of the building away from windows.

Emergency drills will be conducted to test our readiness.

If you have questions or comments, please contact Bill Baker at extension 5179.

FIRE/EMERGENCY PLAN FOR CMD-NORTH COMPLEX

LOCATION: Main Access Roadway To CMD-North

SIZE: 400' x 360'

STRUCTURE: Pre-cost cast concrete block and mortar construction with concrete floors. Office areas are two stories in elevation. The building is protected by sprinkler systems in office areas and materials storage areas. Gas pipelines supply oxygen, MAP gas, and argon to the pipe and metal fabrication areas. Bottled gas storage is provided exterior of the rear of the facility.

Fire detection sensors are located throughout the facility and are alarmed at the main lobby area which is staffed 24 hours each day.

Portable fire extinguishers are located throughout the facility for use by building occupants.

NEAREST HYDRANTS:

One located near each corner of the structure. Post Indicator Valves located adjacent to hydrants.

CONTENTS: General office supplies. Warehouse contains some combustibles such as cardboard boxes, cleaning materials and paper stock. Spray can flammables are stored inside of "fire proof" cabinets.

ACCESS: Access may be gained from each side of the building. The warehouse may be accessed from office areas and shop areas as well as the loading dock doors. The second floor can only be accessed from interior stairwells which are fire rated.

HOSE CABINETS:

Hose cabinets are located strategically throughout the structure.

FIRE STRATEGY: Upon discovering a fire, building occupants should first call in the alarm (either by pull station or by calling 3676) and notify all employees in the area. If the fire is small and an employee knows how to use a portable fire extinguisher, attempt to extinguish the fire if it can be accomplished without endangering the employee.

Fire brigade response will depend upon the area of the building involved. Hose lines will be advanced either from outside fire hydrants or interior hose stations depending on the nature and location of the fire.

The fire chief will establish a command center outside of the building to direct fire fighting.

Turnout gear will be donned before entering the structure for fire fighting.

A member of the fire brigade will be dispatched to turn off all gas supply to the building.

The Fire Chief or on location Safety Representative will determine whether off site response is required and will initiate the response as deemed appropriate.

(NOTE: On backshifts, weekends or holidays, off site response will be initiated by security.)

PERSONNEL NOTIFICATION:

Notify the Safety Supervisor and the McGuire Station Shift Manager.

Layout Blueprint On File.

CMD-NORTH MAIN COMPLEX
EVACUATION PLAN

Primary evacuation routes are listed first and secondary routes are given next.

FIRST FLOOR

Shops
* Exit through roll-up doors directly outside; or
* Exit to truck corridor through to loading dock.

Warehouse
* Exit through loading dock; or
* Exit through office area to lobby.

Cafeteria
* Exit through stairway 1115; or
* Exit to main hall way through lobby.

Office Area and Assembly Room
* Exit to nearest stairway (1135,1115,1088,1047,1007); or
* Exit through main lobby.

SECOND FLOOR

Training Rooms
* Exit to nearest stairway (2061,2058);
* Exit to main stairway to lobby.

Office Area
* Exit to nearest stairway (2058,2037,2022,2001); or
* Exit to main stairway (2017,2041) to lobby.

Each supervisor has a designated assembly point outside of the building for his/her crew. The supervisor will account for his/her crew and report any missing personnel to the Emergency Response Team.

APPENDIX C

Blasting Tent
Evacuation Plan

Primary Evacuation Route

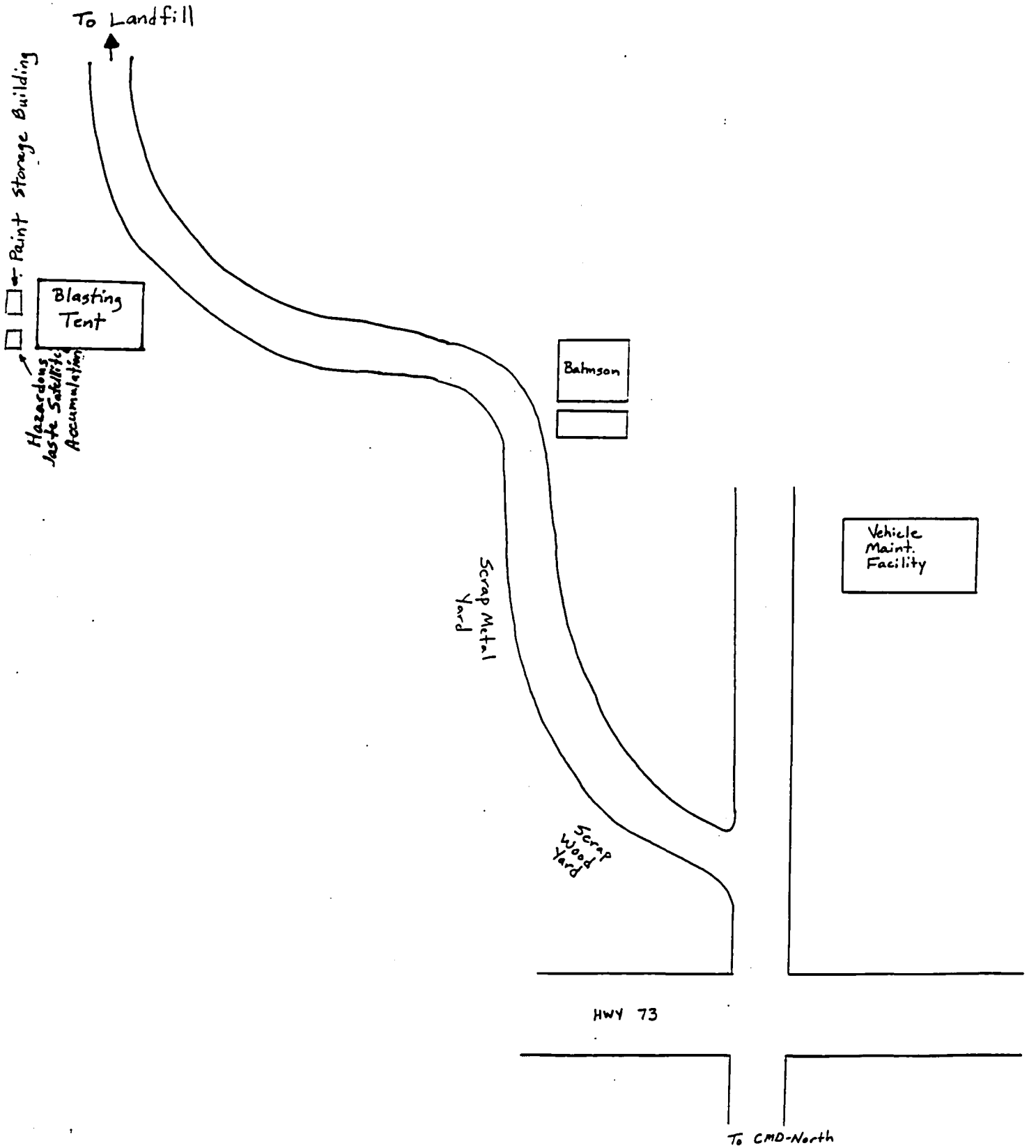
* Exit Blasting Tent, Paint Storage Building and Hazardous Waste Accumulation Area to Highway 73.

Secondary Evacuation Route

* Exit Blasting Tent, Paint Storage Building and Hazardous Waste Accumulation Area to road leading to landfill (away from Highway 73).

Please note - If the evacuation area is downwind of the incident, evacuation will be perpendicular to the wind direction over the most accessible route. If the evacuation area is upwind of the incident, evacuation will be in any direction except the upwind direction.

See attached map of Yard 7 for more detail.



Site Plan
Yard 7

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
MEDIC
618 N. College St.
Charlotte, NC

4. Article Number
P 402 600 720

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery
5-11-90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete item 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent thi card from being returned to you. The return receipt fee will provide you the name of the person delivere to and the date of delivery. For additional fees the following services are available. Consult postmaste for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
Mecklenburg Co. Police Dept.
618 North College St.
Charlotte, NC

4. Article Number
P-402 600 975

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery
5-11-90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEI

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
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1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
NC State Emergency Response
116 W. Jones St.
Raleigh, NC 27603-1335

4. Article Number
P 013 546 265

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery

8. Addressee's Address *(ONLY if requested and fee paid)*

MAY 11

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RET

SENDER: Complete items 1 and 2 when additional services are desired, and complete item 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent th card from being returned to you. The return receipt fee will provide you the name of the person delivere to and the date of delivery. For additional fees the following services are available. Consult postmaste for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
Gilead Volunteer Fire Dept
Highway 73
Huntersville, NC 28078

4. Article Number
P.402 600 721

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery
5/11/90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIP

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
NC Highway Patrol
Hwy 29 North
Charlotte, NC

4. Article Number
P 402 600 979

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Address
X

6. Signature – Agent
X D. M. Smith

7. Date of Delivery
5/11/90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
Cornelius Fire Department
Town of Cornelius
Cornelius, NC 28031

4. Article Number
P 402 600 978

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Address
X

6. Signature – Agent
X Deanna B. Grindstaff

7. Date of Delivery
5-11-90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
Charlotte Memorial Hospital
P.O. Box 32861
Charlotte, NC 28232-2861

4. Article Number
P 402 600 976

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Address
X

6. Signature – Agent
X Nancy Bond

7. Date of Delivery
5/11/90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 ★ U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

[redacted]

P 402 600 978

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Cornelius Fire Dept.	
Street and No Town of Cornelius	
P.O. State and ZIP Code Cornelius, NC 28031	
Postage	$ 125
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 300
Postmark or Date	

PS Form 3800, June 1985 CMD-N * U.S.G.P.O. 1985-480-794

Att: Pam Simpson

P 402 600 721

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Gilead Volunter Fire Dept.	
Street and No Highway 73	
P.O. State and ZIP Code Huntersville, NC 28078	
Postage	$ 125
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 300
Postmark or Date	

PS Form 3800, June 1985 CMD-North * U.S.G.P.O. 1985-480-794

Attention: Pam Simpson

P 402 600 975

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Mecklenburg Co. Police Dept	
Street and No 618 North College St.	
P.O. State and ZIP Code Charlotte - NC	
Postage	$ 125
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 300
Postmark or Date	

PS Form 3800, June 1985 CMD-N * U.S.G.P.O. 1985-480-794

P 013 546 265

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to NC State Emergency Response	
Street and No. 116 W. Jones St.	
P.O., State and ZIP Code Raleigh, NC 27603-1335	
Postage	$ 125
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 300
Postmark or Date	

PS Form 3800, June 1985 CMD-North

Attention: Pam Simpson

P 402 600 976

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Charlotte Memorial Hosp.	
Street and No P.O. Box 32861	
P.O. State and ZIP Code Charlotte, NC 28232-2861	
Postage	$ 125
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 300
Postmark or Date	

PS Form 3800, June 1985 CMD-N * U.S.G.P.O. 1985-480-794

Attention: PAM SIMPSON

P 402 600 979

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to NC Highway Patrol	
Street and No Hwy. 29 North	
P.O. State and ZIP Code Charlotte NC	
Postage	$ 125
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 300
Postmark or Date	

PS Form 3800, June 1985 CMD-N * U.S.G.P.O. 1985-480-794

SWW 1/1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NCD 087060290 Manifest Document No. 01702

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Duke Power Company / McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078
CMD

A. State Manifest Document Number

B. State Generator's ID

4. Generator's Phone (704) 875 - 5100 x-3248

5. Transporter 1 Company Name: Duke Power Company
6. US EPA ID Number: NCD981861438

C. State Transporter's ID

D. Transporter's Phone (704) 373 7807

7. Transporter 2 Company Name: Allworth, Inc.
8. US EPA ID Number: ALD094476793

E. State Transporter's ID 01003

F. Transporter's Phone (615) 379-3215

9. Designated Facility Name and Site Address
Allworth, Inc.
101 South Park Drive
Mt. Pleasant, TN 38474
10. US EPA ID Number: TND981920119

G. State Facility's ID

H. Facility's Phone (615) 379-3215

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Paint Related Material Flammable Liquid NA1263	007	DM	00385	G	D001 F003 F005
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Profile No. DUKHUN002

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Return Signed Manifest to: Duke Power Co / CAID-North
13225 Hagers Ferry Road
Huntersville, NC 28078
Attn: Pam Simpson
P.O.# W56612-67

In case of emergency call:
Pam Simpson
1-704-875-5100
Emergency Guide No. 26

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Pamela R. Simpson
Signature: Pamela R. Simpson
Month Day Year: 12/10/90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DEAN LEOPARD
Signature: Dean Leopard
Month Day Year: 12/10/90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Tim Henderson
Signature: Tim Henderson
Month Day Year: 12/15/90

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Deborah Mullins
Signature: Deborah Mullins
Month Day Year: 12/19/90

EPA Form 8700-22 (Rev. 11-88) Previous editions are obsolete.

INSTRUCTIONS ON BACK SHEET

GENERATOR NOTIFICATION OF WASTE RESTRICTED FROM LAND DISPOSAL

GENERATOR Duke Power Co. / McGuire MANIFEST # 90102 PROFILE # DUKHUN002 EPA WASTE # D001, F003, F005

This is a: ____ Non-wastewater ____ Wastewater

TECHNOLOGY-BASED STANDARDS FOR D001 (40CFR 268.42)

WASTE CODES	SEE ALSO	WASTE DESCRIPTIONS AND/OR TREATMENT SUBCATEGORY	TECHNOLOGY CODE		Check Description
			WASTEWATERS	NON-WASTE WATERS	
D001	.....	Ignitable Liquids based on 261.21 (a)(1)-Wastewaters	DEACT	NA	____
D001	.....	Ignitable Liquids based on 261.21(a)(1)-Low TOC Ignitable Liquids Subcategory-Less than 10% total organic carbon.	NA	DEACT	____
D001	.....	Ignitable Liquids based on 261.21(a)(1)-High TOC Ignitable Liquids Subcategory - Greater than or equal to 10% total organic carbon.	NA	FSUBS; RORGS; OR INCIN.	✓

TABLE CCWE.- Constituent concentrations in waste extract (40CFR 268.41)

WASTE CODES	SEE ALSO TABLE 2 OR TABLE CCW IN	REGULATED HAZARDOUS CONSTITUENT	WASTEWATER CONCENTRATION (mg/l)	NON-WASTE WATER Concentration (mg/l)	check constituents
D004	268.43	ARSENIC	NA	5.0	____
D005	268.43	BARIUM	NA	100	____
D006	268.43	CADMIUM	NA	1.0	____
D007	268.43	CHROMIUM (TOTAL)	NA	5.0	____
D008	268.43	LEAD	NA	5.0	____
D009	268.42 268.43	MERCURY	NA	0.20	____
D010	268.43	SELENIUM	NA	5.7	____
D011	268.43	SILVER	NA	5.0	____
F001-		ACETONE	0.05	0.59	____
F005	268.42	n-butylalcohol	5.0	5.0	____
SPENT	268.43	Carbon disulfide	1.05	4.81	____
SOLVENTS		Carbon tetrachloride	0.05	0.96	____
		Chlorobenzene	0.15	0.05	____
		Cresols (and Cresylic acid)	2.82	0.75	____
		Cyclohexanone	0.125	0.75	____
		1,2-Dichlorobenzene	0.65	0.125	____
		Ethylbenzene	0.05	0.053	____
		Ethyl acetate	0.05	0.75	____
		Ethyl ether	0.05	0.75	____
		Isobutanol	5.0	5.0	____
		Methanol	0.25	0.75	____
		Methylene chloride	0.20	0.96	____
		Methyl ethyl ketone	0.05	0.75	____
		Methyl isobutyl Ketone	0.05	0.33	✓
		Nitrobenzene	0.66	0.125	____
		Pyridine	1.12	0.33	____
		Tetrachloroethylene	0.079	0.05	____
		Toluene	1.12	0.33	✓
		1,1,1 trichloroethane	1.05	0.41	____
		1,1,2 trichloro 1,2,2, trifluorethane	1.05	0.96	____
		Trichloroethylene	0.062	0.091	____
		Trichlorofluoromethane	0.05	0.96	____
		Xylene	0.05	0.15	✓

Is this a California list waste? Yes ____ No ✓ If yes, check standard below.

____ Arsenic and/or compounds (as As) 500 mg/l
____ Cadmium and/or compounds (as Cd) 100 mg/l
____ Chromium and/or compounds (as Cr) 500 mg/l
____ Lead and/or compounds (as Pb) 500 mg/l
____ Mercury and/ or compounds (as Hg) 20 mg/l
____ Nickle and/or compounds (as Ni) 134 mg/l
____ Selenium and/or compounds (as Se) 100 mg/l
____ Thallium and/or compounds (as Tl) 130 mg/l

____ Hazardous waste liquid or solid containing halogenated organic compounds (HOC'S) listed in appendix III to 40 CFR 268 (list of Halogenated Organic Compounds Regulated under 268.32) in total concentration greater than or equal to 1000 mg/kg., excepting waste already subject to treatment standard for specific HOC, for example, the spent solvents above.

The above information is based on: ____ an attached waste analysis.
✓ my thorough knowledge of the waste.

South Carolina Department of Health and Environmental Control

Bureau of Solid & Hazardous Waste Mg
2600 Bull Street, Columbia, SC 29201
Phone: (803) 734-5200
Emergency & Holidays: (803)253-648

PLEASE PRINT or TYPE (Form designed for use on elite (12-pitch) typewriter) Form Approved. OMB No. 2050-0039 Expires 9-

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's U.S. EPA ID No. N C D 1 0 8 7 0 6 0 2 9 Manifest Document No. 8 9 0 1 0
2. Page 1 of 1
Information in the shaded areas required by Federal law, but is by State

GENERATOR

3. Generator's Name and Mailing Address: Duke Power Company CMD-North, HWY 73, Huntersville, NC 28078
4. Generator's Phone (704) 875-5100

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name: Duke Power Company
6. U.S. EPA ID Number: N C D 9 8 1 8 6 1 4 3 8
C. State Transporter's ID
D. Transporter's Phone (704) 373-780

7. Transporter 2 Company Name: Duke Power Company
8. U.S. EPA ID Number: N C D 9 8 1 8 6 1 4 3 8
E. State Transporter's ID
F. Transporter's Phone (704) 373-780

9. Designated Facility Name and Site Address: ThermalKEM Inc., 2324 Vernesdale Road, Rock Hill, SC 29730
10. U.S. EPA ID Number: S C D 0 4 4 4 4 2 3 3 3
G. State Facility's ID
H. Facility's Phone: 803-324-5310

11. U.S. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Numb
a. RQ Waste Corrosive Liquid, NOS, Corrosive Liquid UN1760	001	DF	00055	G	D001, D011
b. RQ Waste Flammable Liquid, NOS, Flammable Liquid UN1993	002	DM	00110	G	D001, D018
c. RQ Waste Paint Related Material, Flammable Liquid NA1263	017	DM	00935	G	F001, D001
d.					F001

J. Additional Descriptions for Materials Listed Above
a. ST-00002-0494
b. ST-00002-0493
c. ST-00001-0892
d. ST-

K. Handling Codes for Wastes Listed Above: T09

15. Special Handling Instructions and Additional Information
Return signed manifest to: Duke Power Company, CMD-North, P.O. Box 33189, Charlotte, NC 28242, Attn: Pam Simpson
P.O.# T 30763-67
SAN 91923
#6762

Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for transporters, and 60 minutes for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate and any suggestions for reducing the burden to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: David Kiser | Signature: David Kiser | Month Day 08 16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: J. D. LeoPard | Signature: J. D. Leopard | Month Day 08 16

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: DENNIS P HAYES | Signature: Dennis P Hayes | Month Day 08 16

FACILITY

19. Discrepancy Indication Space
a. 470 lbs. c. 16596
b. 803 lbs. d.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Willie J. Peak | Signature: Willie J. Peak | Month Day 08 16

ThermalKEM

NuKEM CORPORATION

GENERATOR RESTRICTED WASTE NOTIFICATION
LAND DISPOSAL RESTRICTIONS COMPLIANCE

This form meets generator restricted waste notification to ThermalKEM Inc. of Rock Hill, SC as required by 40 CFR Part 268.7. The notification statement under category IV below is not required by law. However, we strongly request that you adhere to the intent. It has been written and included by ThermalKEM for the safety and benefit of our customers and our employees.

Generator Name/Location Duke Power Company, CMD-North Huntersville, NC

EPA or State ID Number NCD108706029 Manifest Number 89010

Waste Analysis Available? Yes ____ No ✓. If yes, attach copy per 40 CFR Part 268.7 (a) (1) (iv).

I. RESTRICTED WASTE NOTIFICATION (Corresponding Treatment Standard(s)) Certain wastes have been restricted from land disposal effective August 8, 1988, but are treatable at ThermalKEM. Restricted wastes treatable at ThermalKEM are listed in the attached Tables I and II. If your waste is classified as any of those listed in Tables I or II, write the ST number(s) and waste code(s) below and check (✓) the following certification statement. Also circle the appropriate code(s) and treatment standard(s) in the attached tables.

ST Number ST-00001-0892 Code(s): F003 D001 F005

ST Number ____ Code(s): ____

____ I notify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CRF 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). Therefore the waste must be treated by the appropriate regulatory treatment standard (to the appropriate treatment standard, if applicable) prior to land disposal.

II. WASTE SPECIFIC PROHIBITIONS. (California list wastes.) Additional notification is required under 40 CFR Part 268.32 (j) to state specific characteristics for which land disposal is prohibited. If your waste contains any of these constituents or meets any of these properties, please check below.

____ 1) pH ≤ 2.0 ____ 2) PCB ≥ 50 ppm ____ 3) Halogenated organic carbon, (HOC's) ≥1000 mg/1

____ 4) Liquids or any free liquids associated with any solid or sludge, containing the following metals or compounds of these metals:

____ Arsenic (As) ≥ 500 mg/1	____ Cadmium (Cd) ≥ 100 mg/1	____ Chromium, (Cr VI) ≥ 500 mg/1
____ Lead (Pb) ≥ 500 mg/1	____ Free Cyanides ≥ 1000 mg/1	____ Mercury (Hg) ≥ 20 mg/1
____ Nickel (Ni) ≥ 134 mg/1	____ Selenium (Se) ≥ 100 mg/1	____ Thallium (Tl) ≥ 130 mg/1

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

III. SOFT HAMMER RESTRICTIONS If your waste is one of the codes listed in Table III, write in the ST Number(s) and waste code(s) and check the following notification statement. Also circle the appropriate waste code(s) in the attached table.

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

____ I certify under penalty of law that the requirements of 40 CFR 268.8 (a) (1) have been met and that I have contracted to treat my wastes (or will otherwise provide treatment) by the practically available technology which yields the greatest enviornmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

IV. UNRESTRICTED WASTE NOTIFICATION If waste does not fall into the categories listed above in Items I, II, and III, check the following notification statement.

____ I notify that I personally have examined and am familiar with the waste through analysis and testing or though notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA 3004(d).

Signature: Pamela R. Simpson Date: 8/16/89

Print Name: Pamela R. Simpson Title: Assistant Engineer

ONLY NOTIFICATIONS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED

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TABLE I

Treatment Standards For Land Banned Restricted Waste

This restricted waste category is banned from land disposal under 40 CFR Part 268.30 and is subject to one or more treatment standards under 40 CFR Subpart D. Complete the information in Table I below by circling the appropriate waste code(s) and treatment standard(s).

Total Composition, mg/l	F006	K001	K016	K018	K019	K020	K022	K024	K030	K037	K046	K048	K049	K050	K051	K052	K086	K087	K101	K102	K103	K104
1 1,1 Dichloroethane	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2 1,1,1 Trichloroethane	–	–	–	6.0	6.0	–	–	–	–	–	–	–	–	–	–	–	0.044	–	–	–	–	–
3 1,2 Dichlorobenzene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.49	–	–	–	–	–
4 1,2 Dichloroethane	–	–	–	6.0	6.0	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5 1,1,2,2 Trichloroethane	–	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6 1,2,4 Trichlorobenzene	–	–	–	–	19	–	–	–	19	–	–	–	–	–	–	–	–	–	–	–	–	–
7 1,2,4,5 Tetrachlorobenzene	–	–	–	–	–	–	–	–	14	–	–	–	–	–	–	–	–	–	–	–	–	–
8 2,3 Dinitrophenol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5.6	5.6
9 Acenaphthalene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.4	–	–	–	–
10 Acetone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
11 Acetophenone	–	–	–	–	–	–	19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12 Anthracene	–	–	–	–	–	–	–	–	–	–	–	–	6.2	–	6.2	–	–	–	–	–	–	–
13 Aniline	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5.6	5.6
14 Benzene	–	–	–	–	–	–	–	–	–	–	–	–	9.5	–	9.5	9.5	–	0.071	–	–	6.0	6.0
15 Benzo(a)anthracene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.4	–	–	–	–	–	–	–
16 Benzo(a)pyrene	–	–	–	–	–	–	–	–	–	–	–	–	0.84	0.84	0.84	0.84	–	–	–	–	–	–
17 Bis(2-chloroethyl)ether	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18 Bis(2-ethylhexyl)phthalate	–	–	–	–	–	–	–	–	–	–	–	37	37	–	37	–	–	0.49	–	–	–	–
19 Chlorobenzene	–	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20 Chloroethane	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21 Chloroform	–	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22 Chrysene	–	–	–	–	–	–	–	–	–	–	–	2.2	2.2	–	2.2	–	–	3.4	–	–	–	–
23 Cyanide	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24 Cyanides (total)	–	–	–	–	–	–	–	–	–	–	–	1.8	1.8	1.8	1.8	1.8	–	–	–	–	–	1.8
25 Cyclohexanone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.49	–	–	–	–	–
26 Di-n-butyl phthalate	–	–	–	–	–	–	–	–	–	–	–	4.2	–	–	4.2	–	–	–	–	–	–	–
27 Disulfoton	–	–	–	–	–	–	–	–	–	0.1	–	–	–	–	–	–	–	–	–	–	–	–
28 Ethyl Acetate	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
29 Ethylbenzene	–	–	–	–	–	–	–	–	–	–	–	67	67	–	67	67	0.031	–	–	–	–	–
30 Fluoranthene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.4	–	–	–	–
31 Hexachlorobenzene	–	–	28	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32 Hexachlorobutadiene	–	–	5.6	5.6	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–
33 Hexachlorocyclopentadiene	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34 Hexachloroethane	–	–	28	28	28	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–	–
35 Hexachloropropene	–	–	–	–	–	–	–	–	19	–	–	–	–	–	–	–	–	–	–	–	–	–
36 Indeno (1,2,3,-cd) pyrene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.4	–	–	–	–
37 Methanol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
38 Methyl ethyl ketone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
39 Methyl isobutyl ketone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
40 Methylene chloride	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.037	–	–	–	–	–
41 n-Butyl Alcohol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
42 Naphthalene	–	8.0	–	–	5.6	–	–	–	–	–	–	Res	Res	–	Res	Res	.049	3.4	–	–	–	–
43 Nitrobenzene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.49	–	–	–	5.6	5.6
44 o-Cresol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.2	–	–	–	–	–	–
45 Ortho-Nitroaniline	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	14	–	–	–
46 Ortho-Nitrophenol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.84	–	–	–	13	–	–
47 p-Cresol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.90	–	–	–	–	–
48 Pentachlorobenzene	–	–	–	–	–	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–	–
49 Pentachloroethane	–	–	–	5.6	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–
50 Pentachlorophenol	–	37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51 Phenanthrene	–	8.0	–	–	5.6	–	–	–	–	–	–	7.7	7.7	–	7.7	7.7	–	3.4	–	–	–	–
52 Phenol	–	–	–	–	–	–	12	–	–	–	–	2.7	2.7	2.7	2.7	2.7	–	–	–	–	5.6	5.6
53 Phthalic acid	–	–	–	–	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54 Pyrene	–	7.3	–	–	–	–	–	–	–	–	–	2.0	2.0	–	2.0	–	–	–	–	–	–	–
55 Tetrachloroethane	–	–	6.0	–	–	6.0	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–
56 Toluene	–	0.14	–	–	–	–	0.034	–	–	28	–	9.5	9.5	–	9.5	9.5	–	0.031	0.05	–	–	–
57 Trichloroethylene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.031	–	–	–	–
58 Xylene	–	0.16	–	–	–	–	–	–	–	–	–	res	res	–	res	res	–	0.015	0.07	–	–	–
59 Sum of diphylamine and diphenylnitrosamine	–	–	–	–	–	–	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TCLP Extract																						
1 Antimony	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2 Arsenic	–	–	–	–	–	–	–	–	–	–	–	0.004	0.004	0.004	0.004	0.004	–	–	–	–	–	–
3 Barium	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4 Cadmium	0.066	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.066	0.066	–	–
5 Chromium (total)	5.2	–	–	–	–	–	5.2	–	–	–	–	1.7	1.7	1.7	1.7	1.7	0.094	0.094	–	5.2	5.2	–
Cyanide	Res	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Lead	0.51	0.51	–	–	–	–	–	–	–	–	0.18	–	–	–	–	–	0.37	0.37	0.51	0.51	0.51	–
8 Mercury	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
9 Nickel	0.32	–	–	–	–	–	0.32	–	–	–	–	0.048	0.048	0.048	0.048	0.048	–	–	–	0.32	0.32	–
10 Selenium	–	–	–	–	–	–	–	–	–	–	–	0.025	0.025	0.025	0.025	0.025	–	–	–	–	–	–
11 Silver	0.072	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12 Vanadium	–	–	–	–	–	–	–	–	–	–	–	0.018	0.018	0.018	0.018	0.018	–	–	–	–	–	–

TABLE II

F001, F002, F003, F004, F005 SOLVENT RESTRICTIONS

This restricted waste category is banned from land disposal under 40 CFR 268.30 and is subject to one or more treatment standards under 40 CFR Subpart D. Complete the information in Table II below by circling the appropriate waste.

Constituent	Concentration Standard in Extract, mg/l
1. Acetone	0.59
2. n-Butyl Alcohol	5.00
3. Carbon Disulfide	4.81
4. Carbon Tetrachloride	0.96
5. Chlorobenzene	0.05
6. Cresols (and cresylic acid	0.75
7. Cyclohexanone	0.75
8. 1,2-Dichlorobenzene	0.125
9. Ethyl acetate	0.75
10 Ethylbenzene	0.053
11 Ethyl ether	0.75
12 Isobutanol	5.00
13 Methanol	0.75
14 Methylene chloride	0.96
15 Methyl ethyl ketone	0.75
16 Methyl isobutyl ketone	0.33
17 Nitrobenzene	0.125
18 Pyridine	0.33
19 Tetrachloroethylene	0.05
20 Toluene	0.33
21 1,1,1-Trichloroethane	0.41
22 1,1,2-Trichloro-1,2,2-Trifluoroethane	0.96
23 Trichloroethylene	0.091
24 Trichlorofluoromethane	0.96
25 Xylene	0.15

TABLE III

SOFT HAMMER WASTE

The following waste codes are subject to soft hammer provisions and are acceptable (based on sample review) to ThermalKEM. EPA has set treatment requirements. The following wastes are banned from land disposal effective August 8, 1988. Complete the information below by circling the appropriate waste code.

Waste Code	Waste Description
	261.31 Wastes - Non Specific Source
F007	Spent cyanide plating bath solutions from electroplating operations.
F008	Plating bath sludges from the bottom of plating baths from electroplating operations
F009	Spent stripping and cleaning bath solutions from from electroplating operations where cyanides are used in the process.
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum
	261.32 Wastes - Specific Source
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin
K035	Wastewater treatment sludges generated in the production of creosote
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds
K085	Distillation of fractionation column bottoms from the production of chlorobenzenes
	261.33 (e) Wastes - Acute Hazardous
P001	Warfarin, when present at concentration greater than 0.3%
P004	Aldrin
P0'	Ulyl alcohol
P0	Arsenic acid
P011	Arsenic (V) oxide
P012	Arsenic (III) oxide
P016	Bis-(chloromethyl) ether
P018	Brucine
P020	Dinoseb
P030	Soluble cyanide salts not elsewhere specified
P037	Dieldrin
P039	Disulfoton
P041	Diethyl-p-nitrophenyl phosphate
P048	2,4-Dinitrophenol
P050	Endosulfan
P059	Heptachlor
P068	Methyl Hydrazin
P069	2-Methyllactonitrile
P070	Aldicarb
P071	Methyl parathion
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
P089	Parathion
P094	Phorate
P097	Famphur
P102	Propargyl alcohol
P108	Strychnine and salts
P110	Tetraethyl lead
P123	Toxaphene
	261.33 (f) Wastes - Toxic
U007	Acrylamide
U009	Acrylonitrile
U010	Mitomycin C
U012	Aniline
U016	3,4-Benzacridine
U018	Benz(a)anthracene
U019	Benzene
U022	Benzo(a)pyrene
U029	Methyl bromide
U031	n-Butanol
U036	Chlordane technical
U037	Chlorobenzene
U041	1-Chloro-2,3-epoxypropane
U043	Vinyl chloride
U044	Chloroform
U046	Chloromethyl methyl ether
U050	Chrysene
U051	Creosote
U053	Crotonaldehyde
U061	DDT
U063	Dibenze(a.h.])anthracene
U064	Dibenzo[a,i]pyrene
U066	1,2-Dibromo-3-chloropropane
U067	Ethylene dibromide
U074	1,4-Dichloro-2-butene
U077	Ethane, 1,2-dichloro
U078	1,1-Dichloroethylene
U086	N,N- Diethylhydrazine
U089	Diethylstilbestrol
U103	Dimethyl sulfate
U105	2,4-Dinitrotoluene
U108	1,4-Diethyleneoxide
U115	Ethylene oxide
U122	Formaldehyde
U124	Furan
U129	Lindane
U130	Hexachlorocyclopentadiene
U137	Indeno[1,2,3cd]pyrene
U154	Methanol
U155	Methapyrilene
U157	3-Methylcholanthrene
U158	4,4-Methylene-bis-(2-chloroaniline)
U159	Methyl ethyl ketone
U171	2-Nitropropane
U177	N-Nitroso-N-methylurea
U180	N-Nitrosopyrrolidine
U185	Pentachloronitrobenzene
U188	Phenol
U192	Pronamide
U200	Reserpine
U209	1,1,2,2-Tetrachloroethane
U210	Tetrachloroethylene
U211	Carbon tetrachloride
U219	Thiourea
U220	Toluene
U221	Toluenediamine
U223	Toluene diisocyanate
U226	Methylchloroform
U227	1,1,2-Trichloroethane
U228	Trichloroethylene
U237	Uracil mustard
U238	Ethyl carbamate

South Carolina Department of Health and Environmental Control

Bureau of Solid & Hazardous Waste Mgt.
2600 Bull Street, Columbia, SC 29201
Phone: (803) 734-5200
Emergency & Holidays: (803)253-6488

PLEASE PRINT or TYPE (Form designed for use on elite [12-pitch] typewriter) Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's U.S. EPA ID No. N C D 1 0 8 7 0 6 0 2 9 Manifest Document No. 9 0 0 1 3
2. Page 1 of 2

Information in the shaded areas is not required by Federal law, but is by State law.

GENERATOR

3. Generator's Name and Mailing Address: Duke Power Company / McGuire Nuclear Station, 12700 Hagers Ferry Road, Huntersville, NC 28078
4. Generator's Phone (704) 875-5100 x-3248

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name: Duke Power Company
6. U.S. EPA ID Number: N C D 9 8 1 8 6 1 4 3 8
C. State Transporter's ID
D. Transporter's Phone (704) 373-7807

7. Transporter 2 Company Name: Duke Power Company
8. U.S. EPA ID Number: N C D 9 8 1 8 6 1 4 3 8
E. State Transporter's ID
F. Transporter's Phone (704) 373-7807

9. Designated Facility Name and Site Address: ThermalKEM Inc., 2324 Vernesdale Road, Rock Hill, SC 29730
10. U.S. EPA ID Number: S C D 0 4 4 4 4 2 3 3 3
G. State Facility's ID
H. Facility's Phone: 803-324-5310

11. U.S. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ Waste Paint Related Material, Flammable Liquid, UN1263	003	DM	00165	G	F003, D001
b.					F005
c. RQ Waste Corrosive Liquid, N.O.S. (Photographic Waste), Corrosive Liquid, UN1760	001	DF	00055	G	D002, D011
d. RQ Waste Flammable Liquid, N.O.S. (Waste Oil & Solvents), Flammable Liquid, UN1993	001	DM	00055	G	D001

J. Additional Descriptions for Materials Listed Above
a. ST - 00091 - 0892
b. ST - ST -
c. ST - 00092 - 0494
d. ST - 00092 - 0493

K. Handling Codes for Wastes Listed Above: T09

15. Special Handing Instructions and Additional Information
In case of emergency call: Pam Simpson at (704) 875-5100
SAN 94022 P.O.# W38086-67

Return signed manifest to: Duke Power Co / CND-North, 13225 Hagers Ferry Road, Huntersville, NC 28078, Attn: Pam Simpson #9875

Public reporting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St. S.W., Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Pamela R. Simpson | Signature: Pamela R. Simpson | Month Day Year: 0 7 3 0 9 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DENNIS P HAYES | Signature: Dennis P Hayes | Month Day Year: 0 7 3 0 9 0

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: DEAN LEOPARD | Signature: Dean Leopard | Month Day Year: 0 8 0 8 9 0

FACILITY

19. Discrepancy Indication Space
a 11178 lbs. c 464 lbs.
b lbs. d 374 lbs.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Samuel Dunham | Signature: Samuel Dunham | Month Day Year: 0 8 0 8 9 0

South Carolina Department of Health and Environmental Control

Please print or type. (Form designed for use on elite [12-pitch] typewriter) Form approved OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21. Generator's U.S. EPA ID No. N C D 1 0 8 7 0 6 0 2 9 — Manifest Document No. 9 0 0 1 3

22. Page 2

Information in the shaded areas is not required by Federal Law, but is by State Law.

23. Generator's Name Duke Power Company/McGuire Nuclear Station

L. State Manifest Document Number

M. State Generator's ID

24. Transporter _____ Company Name

25. U.S. EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter _____ Company Name

27. U.S. EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. U.S. DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	29. Containers No.	Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a. RQ Waste Flammable Liquid, N.O.S. (Waste Oil & Solvents) Flammable Liquid, UN1993	001	DM	00055	G	D001 F005
b.					D007 D008
c.					
d.					
e.					
f.					
g.					
h.					
i.					

S. Additional Descriptions for Materials Listed Above

a S T 0002 7590 d S T g S T

b S T e S T h S T

c S T f S T i S T

T. Handling Codes for Wastes Listed Above

T09

32. Special Handling Instructions and Additional Information

In case of emergency call Pam Simpson at (704)875-5100

SAN _____

TRANSPORTER

33. Transporter _____ Acknowledgement of Receipt of Materials

Printed/Typed Name: DEAN LEOPARD

Signature: Dean Leopard

Date: Month 08 Day 15 Year 90

34. Transporter _____ Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

35. Discrepancy Indication Space

Section 24, 25 & 0 not filled in

~~Section 26, 27 & 0 not filled in~~ msl

~~Should be added as trans. 1 & 2 for~~ msl

~~Section 33 not filled in~~ msl

a 303 lbs. b lbs. c lbs. d lbs. e lbs. f lbs. g lbs. h lbs. i lbs.

EPA Form 8700-22A (9/88) Previous editions are obsolete (DHEC #1988A) (Rev. 5/89)

Original

ThermalKEM

AMERICAN NuKEM CORPORATION

GENERATOR RESTRICTED WASTE NOTIFICATION
LAND DISPOSAL RESTRICTIONS COMPLIANCE

EFFFECTIVE DATE: AUGUST 8, 1990

This form meets generator restricted waste notification to ThermalKEM as required by 40 CFR Part 268.7. The notification statement under category IV is not required by law. However, we strongly request that you adhere to the intent. It has been written and included by ThermalKEM for the safety and benefit of our customers and our employees.

Generator Name/Location Duke Power Company / McGuire Nuclear Station, Huntersville, NC

EPA ID Number NCD108706029 Manifest Number 90013

THIS FORM IS MANIFEST NUMBER SPECIFIC. PLEASE USE A NEW FORM FOR EACH MANIFEST NUMBER!

Waste Analysis Available? Yes ____ No ✓. If yes, attach copy per 40 CFR Part 268.7 (a) (1) (iv).

I. RESTRICTED WASTE NOTIFICATION (Corresponding Treatment Standard(s)) Certain wastes have been restricted from land disposal effective May 8, 1990, but are treatable at ThermalKEM. Restricted wastes [treatable at ThermalKEM] are listed in the attached Table I & II. If your waste is classified as any of those listed in Table I, write your ST number(s), the waste code(s), circle the waste code and its **specific constituents**, and check the applicable notification statement below. If your waste is classified as any of those listed in Table II, write your ST number(s), the waste code(s), the **corresponding treatment standard** from Table II as referenced by the 40 CFR 268.41, 268.42, or 268.43 designation and check the notification statement below. The treatment standard for each is the waste code marked "x" in Table II. Use additional forms as necessary to account for all ST numbers on your shipment. Treatment standards may be specific constituent limits or designated treatment technologies, i.e., Incineration by these Part 268 references. Please detach Table II and submit only this notification with your manifest.

				TREATMENT STANDARD - 40 CFR			
				268.41(a)	268.42(a)	268.43(a)	268
Example:	ST Number 00003-xxxx	Code(s): D001		☐	☒	☐	☐
ST Number	ST-00001-0892	Code(s): F003, D001	F005	☒	☒	☒	☐
ST Number	ST-00002-7594	Code(s): D001, F005	D007, D008	☒	☒	☒	☐
ST Number		Code(s):		☐	☐	☐	☐
ST Number		Code(s):		☐	☐	☐	☐

(✓) ✓ I notify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in appropriate regulatory treatment standard (to the appropriate treatment standard, if applicable) prior to land disposal.

II. WASTE SPECIFIC PROHIBITIONS. (California list wastes.) Additional notification is required under 40 CFR 268.32(j) to state specific characteristics for which land disposal is prohibited. If your waste contains any of these constituents or meets any of these properties, please check below.

1) ____ PCB ≥ 50 ppm 2) ____ Halogenated organic carbon, (HOC's) ≥ 1000 mg/1

3) ____ Liquids or any free liquids associated with any solid or sludge, containing the following metals or compounds of these metals:

____ Nickel (Ni) ≥ 134 mg/1 ____ Thallium (Tl) ≥ 130 mg/1

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

III. LAB PACK CERTIFICATION (APPENDIX IV & V) If your waste is contained in lab packs and is listed in Appendix IV - ORGANOMETALLIC LAB PACKS or V - ORGANIC LAB PACKS, one or both of the following certifications must be checked and the respective container numbers listed.

A. APPENDIX IV - ORGANOMETALLIC LAB PACKS

Container Number(s) ____

(✓) ____ **I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only the wastes specified in Appendix IV to part 268 or solid wastes not subject to regulation under Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.**

B. APPENDIX V - ORGANIC LAB PACKS

Container Number(s) ____

(✓) ____ ***I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge*** **of the waste and that the lab pack contains only organic waste specified in Appendix V to part 268 or solid wastes not subject to regulation under Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.**

IV. UNRESTRICTED WASTE NOTIFICATION If your waste does not fall into the categories listed above in Items I, II, or III, write in the ST Number(s) and the waste code(s) [South Carolina Designation = 7777 OR 6666] and check the following notification statement.

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

(✓) ____ **I notify that I have personally examined and am familiar with the waste through analysis and testing or through notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 268.32 or RCRA 3004(d).**

Signature: Pamela R. Simpson Date: 7/30/90

Print Name: Pamela R. Simpson Title: Associate Engineer

PLEASE INCLUDE THIS NOTIFICATION WITH ORIGINAL SIGNATURE WITH YOUR MANIFEST!

ALLWORTH, INC.

Please print or type. (Form designed for use on elite 12 pitch typewriter)

Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for transporters and 10 minutes for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data and completing and reviewing the form. Send comments regarding the burden estimate including suggestions for reducing this burden to: Chief Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20480 and to the Office of Information and Regulatory Affairs Office of Management and Budget, Washington, DC 20503.

Form Approved OMB No. 2050-0039 Expires 9/30/91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NCD108706029
Manifest Document No. 90019
2 Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Duke Power Co. / McGuire Nuclear Station, 12700 Hagers Ferry Road, Huntersville, NC 28078

4. Generator's Phone (704) 875-5100

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: PRS ~~ALLWORTH, INC.~~ Duke Power Company
6. US EPA ID Number: PRS NCD 986 498 793

C. State Transportor's ID ~~01003~~

D. Transporter's Phone ~~(615)379-3215~~ (704) 373-7807

7. Transporter 2 Company Name: Allworth, Inc.
8. US EPA ID Number: ALD094476793

E. State Transportor's ID 01003

F. Transportor's Phone (615) 379-3215

9. Designated Facility Name and Site Address: Allworth, Inc., 101 South Park Drive, Mt. Pleasant, TN 38474
10. US EPA ID Number: TND 981920119

G. State Facility's ID

H. Facility's Phone 615-379-3215

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. RQ Waste Paint Related Material Flammable Liquid NA 1263	8	DM	440	G	D001 F003 F005
b. RQ Waste Paint Related Material Flammable Liquid NA 1263	1	DM	55	G	D001
c.					
d.					

J. Additional Descriptions for Materials Listed Above: a,b Profile # ~~DUKEROOL~~ DUKHUNOOZ

K. Handling Codes for Wastes Listed Above: a. c. b. d.

15. Special Handling Instructions and Additional Information
Return signed manifest to: Duke Power Co / CMD-North, 13225 Hagers Ferry Road, Huntersville, NC 28078 Attn: Pam Simpson
IN CASE OF AN EMERGENCY CALL CHEMTREC 1-800-424-9300 24 HRS. P.O. # W49190-67
Pam Simpson (704) 875-5108

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and environment OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Pamela R. Simpson — Signature: Pamela R. Simpson — Date: Month 10 Day 22 Year 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DEAN LEOPARD — Signature: Dean Leopard — Date: Month 10 Day 22 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: LARRY WINCHESTER — Signature: Larry Winchester — Date: Month 11 Day 1 Year 90

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Deborah Mullins — Signature: Deborah Mullins — Date: Month 11 Day 2 Year 90

GENERATOR — TRANSPORTER — FACILITY

EPA Form 8700-22(9/88) 1. WHITE - GENERATOR'S COMPLETED COPY 2. BLUE - TREATMENT FACILITY COPY 3. GREEN - EXTRA 4. PINK - TRANSPORTER #2 COPY 5. CANARY - TRANSPORTER #1 COPY 6. GOLDENROD - GENERATOR'S FIRST COPY KEPT AT TIME OF SHIPMENT

GENERATOR NOTIFICATION OF WASTE RESTRICTED FROM LAND DISPOSAL

GENERATOR Duke Power Co./McGuire MANIFEST # 90019 PROFILE # DUKEP001 EPA WASTE # F003, F005, D001

This is a: ____ Non-wastewater _X_ Wastewater

TECHNOLOGY-BASED STANDARDS FOR D001 (40CFR 268.42)

WASTE CODES	SEE ALSO	WASTE DESCRIPTIONS AND/OR TREATMENT SUBCATEGORY	TECHNOLOGY CODE		Check Description
			WASTEWATERS	NON-WASTE WATERS	
D001		Ignitable Liquids based on 261.21 (a)(1)-Wastewaters	DEACT	NA	____
D001		Ignitable Liquids based on 261.21(a)(1)-Low TOC Ignitable Liquids Subcategory-Less than 10% total organic carbon.	NA	DEACT	____
D001		Ignitable Liquids based on 261.21(a)(1)-High TOC Ignitable Liquids Subcategory - Greater than or equal to 10% total organic carbon.	NA	FSUBS; RORGS; OR INCIN.	✓

TABLE CCWE.- Constituent concentrations in waste extract (40CFR 268.41)

WASTE CODES	SEE ALSO TABLE 2 OR TABLE CCW INI	REGULATED HAZARDOUS CONSTITUENT	WASTEWATER CONCENTRATION (mg/l)	NON-WASTE WATER Concentration (mg/l)	check constituents
D004	268.43	ARSENIC	NA	5.0	____
D005	268.43	BARIUM	NA	100	____
D006	268.43	CADMIUM	NA	1.0	____
D007	268.43	CHROMIUM (TOTAL)	NA	5.0	____
D008	268.43	LEAD	NA	5.0	____
D009	268.42 268.43	MERCURY	NA	0.20	____
D010	268.43	SELENIUM	NA	5.7	____
D011	268.43	SILVER	NA	5.0	____
F001-F005 SPENT SOLVENTS	268.42 268.43	ACETONE	0.05	0.59	____
		n-butylalcohol	5.0	5.0	____
		Carbon disulfide	1.15	4.81	____
		Carbon tetrachloride	0.05	0.96	____
		Chlorobenzene	0.15	0.05	____
		Cresols (and Cresylic acid)	2.32	0.75	____
		Cyclohexanone	0.125	0.75	____
		1,2-Dichlorobenzene	0.55	0.125	____
		Ethylbenzene	0.05	0.053	____
		Ethyl acetate	0.05	0.75	____
		Ethyl ether	0.05	0.75	____
		Isobutanol	5.0	5.0	____
		Methanol	0.25	0.75	____
		Methylene chloride	0.20	0.96	____
		Methyl ethyl ketone	0.05	0.75	____
		Methyl isobutyl Ketone	0.05	0.33	✓
		Nitrobenzene	0.66	0.125	____
		Pyridine	1.12	0.33	____
		Tetrachloroethylene	0.079	0.05	____
		Toluene	1.12	0.33	✓
		1,1,1 trichloroethane	1.05	0.41	____
		1,1,2 trichloro 1,2,2, trifluorethane	1.05	0.96	____
		Trichloroethylene	0.062	0.091	____
		Trichlorofluoromethane	0.05	0.96	____
		Xylene	0.05	0.15	✓

Is this a California list waste? Yes ____ No ✓ If yes, check standard below.

____ Arsenic and/or compounds (as As) 500 mg/l
____ Cadmium and/or compounds (as Cd) 100 mg/l
____ Chromium and/or compounds (as Cr) 500 mg/l
____ Lead and/or compounds (as Pb) 500 mg/l
____ Mercury and/ or compounds (as Hg) 20 mg/l
____ Nickle and/or compounds (as Ni) 134 mg/l
____ Selenium and/or compounds (as Se) 100 mg/l
____ Thallium and/or compounds (as Tl) 130 mg/l

____ Hazardous waste liquid or solid containing halogenated organic compounds (HOC'S) listed in appendix III to 40 CFR 268 (list of Halogenated Organic Compounds Regulated under 268.32) in total concentration greater than or equal to 1000 mg/kg., excepting waste already subject to treatment standard for specific HOC, for example, the spent solvents above.

The above information is based on: ____ an attached waste analysis.
✓ my thorough knowledge of the waste.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N.C.D.1.0.8.7.0.6.0.2.9
Manifest Document No. 8.9.0.1.4
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Duke Power Company
McGuire Nuclear Station/CMD-North
12700 Hagers Ferry Road (Hwy 73)
Huntersville, NC 28078

4. Generator's Phone (704) 875-5100

A. State Manifest Document Number MMI-0017961
B. State Generator's ID

5. Transporter 1 Company Name: Duke Power Company
6. US EPA ID Number: N.C.D.9.8.1.8.6.1.4.3.8
C. State Transporter's ID
D. Transporter's Phone (704)373-7807

7. Transporter 2 Company Name: M & M Chemical & Equipment Co
8. US EPA ID Number: A.L.D.0.7.0.5.1.3.7.6.7
E. State Transporter's ID ALD070513767
F. Transporter's Phone 205/538-3800

9. Designated Facility Name and Site Address
M & M Chemical & Equipment Co., Inc.
Hwy. 11 North (Mailing: Rt. 3, Box 285B
Reece City, AL, Attalla, AL 35954
10. US EPA ID Number: ALD070513767
G. State Facility's ID ALD070513767
H. Facility's Phone 205/538-3800

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ Waste Paint Related Material Flammable Liquid, NA 1263	X	0.0.4	D.M	0.0.2.2.0	G	F003 D001 F005
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
Approval # 881002 P.O. #

K. Handling Codes for Wastes Listed Above
T09

15. Special Handling Instructions and Additional Information
Return signed manifest to: Duke Power Company
CMD-North
PO Box 33189
Charlotte, NC 28242
Attn: Pam Simpson
P.O # T 38938-67

Emergency Response Information:
Pam Simpson
(704) 875-5100 x-324

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Pamela R. Simpson
Signature: Pamela R. Simpson
Month Day Year: 1.0 9 8 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DEAN LEOPARD
Signature: Dean Leopard
Month Day Year: 1.0 9 8 9

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Johnny Ledbetter
Signature: Johnny Ledbetter
Month Day Year: 1.0 9 8 9

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Vicki Leeth
Signature: Vicki Leeth
Month Day Year: 1.0 1 2 0 8 9

ORIGINAL — RETURN TO GENERATOR

F001, F002, F003, F004, F005
SPENT SOLVENT MANIFEST ATTACHMENT

GENERATOR Duke Power Company McGuire Nuclear Station/CMD-North EPA ID # NCD108706029

ADDRESS 12700 Hagers Ferry Rd (Hwy 73) MANIFEST # 89014

Huntersville, NC

ZIP 28078

EPA WASTE # F003, D001, F005

GENERATOR'S SIGNATURE Pamela R. Simpson

TITLE Associate Engineer DATE 10/9/89

STATEMENTS:

1. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

2a. In accordance with the regulations governing handling, treatment and disposal of hazardous wastes found in the Congressional Federal Register 40CFR268 Subpart C, I hereby declare to you: This waste cannot be land disposed.

2b. I have determined by Disposal Regulations 40 CFR268.7(a) (1) that this waste is restricted and requires treatment prior to land disposal.

2c. Prior to disposal of this waste in a landfill it must be shown to meet treatment standards as set forth in 40CFR268 Subpart D, § 268.41(b).

2d. Refer to 40CFR268 Subpart D Appendix I for a description of the applicable test method required for demonstration of compliance with the treatment standard.

CORRESPONDING TREATMENT STANDARD

Instructions: For each solvent waste constituent present in this waste or its extract, check the appropriate box in front of the treatment standard(s) which apply.

Solvent Constituent	Concentrations (ug/liter) Wastewaters containing spent solvents	All other spent solvent wastes
Acetone	0.05	0.59
n-Butyl alcohol	5.0	5.0
Carbon disulfide	1.05	4.81
Carbon tetrachloride	0.05	0.96
Chlorobenzene	0.15	0.05
Cresoles and cresylic acid	2.82	0.75
Cyclohexanone	0.125	0.75
1,2-Dichlorobenzene	0.65	0.125
Ethyl acetate	0.05	0.75
Ethyl benzene	0.05	0.053
Ethyl ether	0.05	0.75
Isobutanol	5.0	5.0
Methanol	0.25	0.75
Methylene chloride	0.20	0.96
Methylene chloride (from the pharmaceutical industry)	12.7	0.96
Methyl ethyl ketone	0.05	0.75
Methyl isobutyl ketone	0.05	0.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,1,2-Trichloro-1,2,2-trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

South Carolina Department of Health and Environmental Control

Bureau of Solid & Hazardous Waste Mgt.
2600 Bull Street, Columbia, SC 29201
Phone: (803) 734-5200
Emergency & Holidays: (803)253-6488

PLEASE PRINT or TYPE (Form designed for use on elite [12-pitch] typewriter) Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's U.S. EPA ID No. / Manifest Document No.: NCD 1 0 8 7 0 6 0 2 9 9 1 0 0 4
2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but is by State law.

3. Generator's Name and Mailing Address: Duke Power Co / McGuire Nuclear Station, 12700 Hagers Ferry Road, Huntersville, NC 28078
4. Generator's Phone: (704) 875-5100 x-3248

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name: Duke Power Company
6. U.S. EPA ID Number: NCD 9 8 1 8 6 1 4 3 8

C. State Transporter's ID
D. Transporter's Phone: (704) 373-7807

7. Transporter 2 Company Name: Duke Power Company
8. U.S. EPA ID Number: NCD 9 8 1 8 6 1 4 3 8

E. State Transporter's ID
F. Transporter's Phone: (704) 373-7807

9. Designated Facility Name and Site Address: ThermalKEM Inc., 2324 Vernesdale Road, Rock Hill, SC 29730
10. U.S. EPA ID Number: SCD 0 4 4 4 4 2 3 3 3

G. State Facility's ID
H. Facility's Phone: 803-324-5310

11. U.S. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ Waste Flammable Liquid, N.O.S. (Waste Oil & Solvents) Flammable Liquid UN1993	001	DM	00055	G	D001 F005
b. RQ Waste Combustible Liquid, N.O.S. (Hydrocarbon Resin-Mineral spirits) Combustible Liquid, NA1993	001	DM	00085	G	D001
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. ST-00002-7594
b. ST-00005-5525
c. ST-
d. ST-

K. Handling Codes for Wastes Listed Above: T09

15. Special Handing Instructions and Additional Information
In case of emergency call: Pam Simpson (704) 875-5100 #11958
SAN ——— PO# A12293-67
Return signed manifest to: Duke Power Co. / CMD-North, 13225 Hagers Ferry Road, Huntersville, NC 28078, Attn: Pam Simpson

Public reporting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St. S.W., Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Pamela R. Simpson | Signature: Pamela R. Simpson | Month Day Year: 03 25 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Tracy Ford | Signature: Tracy Ford | Month Day Year: 03 25 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Randy Arrowood | Signature: Randy Arrowood | Month Day Year:

FACILITY

19. Discrepancy Indication Space
a 388 lbs. c lbs.
b 705 lbs. d lbs.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Samuel Dunham | Signature: Samuel Dunham | Month Day Year: 04 02 91

Original

ThermalKEM

AMERICAN NuKEM CORPORATION

EFFFECTIVE DATE: AUGUST 8, 1990

GENERATOR RESTRICTED WASTE NOTIFICATION
LAND DISPOSAL RESTRICTIONS COMPLIANCE

This form meets generator restricted waste notification to ThermalKEM as required by 40 CFR Part 268.7. The notification statement under category IV is not required by law. However, we strongly request that you adhere to the intent. It has been written and included by ThermalKEM for the safety and benefit of our customers and our employees.

Generator Name/Location Duke Power Company / McGuire Nuclear Station, Huntersville, NC

EPA ID Number NCD108706029 Manifest Number 91004

THIS FORM IS MANIFEST NUMBER SPECIFIC. PLEASE USE A NEW FORM FOR EACH MANIFEST NUMBER!

Is A Chemical Analysis Available For Your Wastes? Yes ____ No ✓. If yes, attach copy per 40 CFR Part 268.7 (a) (1) (iv).

I. RESTRICTED WASTE NOTIFICATION (Corresponding Treatment Standard(s))

Certain wastes have been restricted from land disposal effective May 8, 1990, but are treatable at ThermalKEM. These restricted wastes, identified by waste codes, are listed in the attached Tables I and II. If your waste stream contains any of the codes listed in Tables I or II, record the South Carolina Authorization (ST Number) in the space provided below, then list all EPA waste codes contained in the waste stream, including any subcategories as applicable. Find each waste code in Table II, then record the appropriate treatment standard reference (indicated by "X" in Table II) in the columns below. (See the example.) If the treatment standard reference is CCWE, CCW or the Specified Technology of INCIN (Incineration), put an "X" in the appropriate column. If the treatment standard reference is a Specified Technology other than Incineration, write the Five-Digit Code in the "Other" column below. If the specified treatment standard reference indicates both INCIN and FSUBS (I,F), mark only INCIN unless your authorization has been approved for Fuel Substitution at ThermalKEM.

If your waste stream contains F001, F002, F003, F004, F005 or F039 waste codes, complete the appropriate sections in Table I by:

1.) Circling all constituents and their corresponding treatment standards which are contained in the waste stream.

2.) Circling the waste stream ID "A", "B", "C", or "D" (in front of each circled constituent) that corresponds to the correct waste stream line item in this section.

Use additional forms as necessary to account for all ST Numbers in your shipment. Make a check beside the boldfaced notification below, and complete the remainder of the form as applicable, including your signature at the bottom of this page.

			TREATMENT STANDARD - 40 CFR			
			CCWE 268.41(a)	Spec Tech INCIN 268.42(a)	Spec Tech Other 268.42(a)	CCW 268.43(a)
Example:	ST Number 00003-XXXX	Code(s): D001 High Toxicity Ignitable Liquid subcategory; D002 Acid subcategory; D008	☒	☒	DEACT	☐
A.	ST Number ST-00002-7594	Code(s): D001, F005	☒	☒	FSUBS	☐
B.	ST Number ST-00005-5525	Code(s): D001	☐	☒	DEACT	☐
C.	ST Number ____	Code(s): ____	☐	☐	____	☐
D.	ST Number ____	Code(s): ____	☐	☐	____	☐

(/) ____ I notify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D and must therefore be treated to the appropriate regulatory treatment standard prior to land disposal.

II. WASTE SPECIFIC PROHIBITIONS. (California list wastes.)

Additional notification is required under 40 CFR 268.32(j) to state specific characteristics for which land disposal is prohibited. If your waste contains any of these constituents or meets any of these properties, please check below.

1) ____ PCB ≥ 50 ppm 2) ____ Halogenated organic carbon, (HOC's) ≥ 1000 mg/l

3) ____ Liquids or any free liquids associated with any solid or sludge, containing the following metals or compounds of these metals:

____ Nickel (Ni) ≥ 134 mg/l ____ Thallium (Tl) ≥ 130 mg/l

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

III. LAB PACK CERTIFICATION (APPENDIX IV & V)

If your waste is contained in lab packs and is listed in Appendix IV - ORGANOMETALLIC LAB PACKS or V - ORGANIC LAB PACKS, one or both of the following certifications must be checked and the respective container numbers listed. Use additional sheets if necessary. If any lab pack containers are non-exempt under this section they must be certified in the other applicable sections of this form.

A. APPENDIX IV - ORGANOMETALLIC LAB PACKS

ST Number ____ Container Number(s) ____

(/) ____ I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only the wastes specified in Appendix IV to part 268 or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

B. APPENDIX V - ORGANIC LAB PACKS

ST Number ____ Container Number(s) ____

(/) ____ I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste and that the lab pack contains only organic waste specified in Appendix V to part 268 or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

IV. UNRESTRICTED WASTE NOTIFICATION

If your waste does not fall into the categories listed above in Items I, II, or III, write in the ST Number(s) and the waste code(s) [South Carolina Designation = 7777 OR 6666] and check the following notification statement.

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

(/) ____ I notify that I have personally examined and am familiar with the waste through analysis and testing or through notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions as forth in 268.32 or RCRA 3004(d).

Signature: Pamela R. Simpson Date: 3/25/91

Associate Engineer

CUT ALONG THIS LINE

Revised 9/27/88, 10/18/88 5/13/89 7/1/9.0 7/30/90.

WASTE CHARACTERISTICS DETERMINATION AND CERTIFICATION

GENERATOR EPA ID #: NCD108706029 ST NUMBER: ST - 00002-7594

Indicate all characteristics which apply by circling the appropriate waste codes and/or indicating the actual values in the appropriate spaces. Be sure to include all circled codes in Section 8 of the Authorization Request Form.

	WASTE CODE	DESCRIPTION	(TCLP ppm) REGULATORY LEVEL	ACTUAL VALUE
General Characteristics	D001	Ignitable	N/A	N/A
	D002	Corrosive	N/A	N/A
	D003	Reactive	N/A	N/A
Toxic Metals in Toxicity Characteristic Extract (VARIES)	D004	Arsenic	5.0	____
	D005	Barium	100.0	____
	D006	Cadmium	1.0	0-10000
	D007	Chromium	5.0	0-10000
	D008	Lead	5.0	0-10000
	D009	Mercury	0.2	____
	D010	Selenium	1.0	0-100
	D011	Silver	5.0	0-10000
Toxic Herbicides and Pesticides in Toxicity Characteristic Extract	D012	Endrin	0.02	____
	D013	Lindane	0.4	____
	D014	Methoxychlor	10.0	____
	D015	Toxaphene	0.5	____
	D016	2,4-D	10.0	____
	D017	2,4,5-TP (Silvex)	1.0	____

WASTE CODE	DESCRIPTION	(TCLP ppm) REGULATORY LEVEL	ACTUAL VALUE
D018	Benzene	0.5	____
D019	Carbon Tetrachloride	0.5	____
D020	Chlorodane	0.03	____
D021	Chlorobenzene	100.0	____
D022	Chloroform	6.0	____
D023	O-Cresol	200.0	____
D024	M-Cresol	200.0	____
D025	P-Cresol	200.0	____
D026	Cresol	200.0	____
D027	1,4-dichlorobenzene	7.5	____
D028	1,2-dichloroethane	0.5	____
D029	1,1-dichloroethylene	0.7	____
D030	2,4-dinitrotoluene	0.13	____
D031	Heptachlor	0.008	____
D032	Hexachlorobenzene	0.13	____
D033	Hexachlorobutadene	0.5	____
D034	Hexachloroethane	3.0	____
D035	Methyl Ethyl Ketone	200.0	____
D036	Nitrobenzene	2.0	____
D037	Pentachlorophenol	100.0	____
D038	Pyridine	5.0	____
D039	Tetrachloroethylene	0.7	____
D040	Trichloroethylene	0.5	____
D041	2,4,5-Trichlorophenol	400.0	____
D042	2,4,6-Trichlorophenol	2.0	____
D043	Vinyl Chloride	0.2	____

WASTE CODES NOT CIRCLED ABOVE ARE NOT PRESENT ABOVE REGULATORY LIMITS.

The above information is based on (check one): ✓ Knowledge ____ Analysis (supply copy of lab analysis)

I certify that all information submitted on this document provides to the best of my knowledge true and accurate information about the characteristics of this waste stream as defined by 40 CFR 261 Subpart C. Additional listed waste codes from 40 CFR 261 Subpart D as applicable will also be included on Section 8 of the South Carolina Authorization Request Form.

PRINT NAME: JOHN S. CARTER TITLE: Tech System Mgr II

SIGNATURE: J S Carter DATE: 3/11/91

GENERATOR NORTHING R... WASTE MANIFEST

Please print or type: (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039; Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N C D 1 0 9 7 9 6 5 2 9 | Manifest Document No.: 0 0 2 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Duke Power Company/Cl... Steele Hedges Ferry Road ... NC 28078

4. Generator's Phone (704) 75 5100

5. Transporter 1 Company Name: Duke Power Company | 6. US EPA ID Number: N C D 9 9 1 3 6 1 4 3 8

7. Transporter 2 Company Name: Atlantic Inc. | 8. US EPA ID Number: N C D 9 9 4 4 7 6 7 9 3

9. Designated Facility Name and Site Address: Atlantic Inc. ... Park Drive, ... 0001 | 10. US EPA ID Number: N C D 9 9 7 7 7 2 0 1 1 9

Liquids Subcategory Less than 10% total organics carbon. Ignitable Liquids based on 261.21(a)(1) High TOC Ignitable. Nonwastewater Subcategory - Greater than or equal to 10% total ...

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ waste Paint Related Material, Flammable Liquid NA1263	2	DM	0 0 2 2 0	G
b. RQ waste Flammable Liquid, n.o.s. (Vinyl Ether, ...)				
c. D004 Arsenic, D005 Barium, D006 Cadmium, D007 Chromium (Total)				
d. D009 Mercury, D010 Selenium, D011 Silver				

WASTE CODES	SEE ALSO TABLE 261.24 FOR TABLE CONTENTS	REGULATED HAZARDOUS CONSTituENT	WASTE CONCENTRATION	UNITS (mg/l)	NON-HAZARDOUS WASTE Contaminants	UNITS (mg/l)
D004	261.43	ARSENIC	NA			
D005	261.43	BARIUM	NA			
D006	261.43	CADMIUM	NA			
D007	261.43	CHROMIUM (TOTAL)	NA			
D009	261.43	MERCURY	NA			
D010	261.43	SELENIUM	NA			
D011	261.43	SILVER	NA			

15. Special Handling Instructions and Additional Information: Return signed manifest to ... PO# A04213-67 ... 704-75 5100

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. ✓

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Pamela R. Simpson | Signature: Pamela R. Simpson | Month 1 2 | Day 1 1 | Year 9 1

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] | Signature: [illegible] | Month | Day | Year

18. Transporter 2 Acknowledgement of Receipt of Materials ___ X ___ If yes, check ...

Printed/Typed Name: [illegible] | Signature: [illegible] | Month 1 0 | Day 2 1 | Year 9 1

FACILITY

19. Discrepancy Indication Space ___ Lead compounds (as Pb) 500 mg/l ___ Selenium and/or compounds (as Se) 100 mg/l ___ Thallium and/or compounds (as Tl) 130 mg/l

___ Waste is a liquid or solid containing halogenated organic compounds (HOC's) listed in appendix III ...

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jim Williams | Signature: [illegible] | Month 1 0 | Day 2 1 | Year 9 1

EPA Form 8700-22 (Rev. 11-88) Previous editions are obsolete.

___ attached waste analysis

___ ... knowledge of ...

INSTRUCTIONS ON BACK SHEET

Original

GENERATOR NOTIFICATION OF WASTE RESTRICTED FROM LAND DISPOSAL

GENERATOR Duke Power Co. / McGuire MANIFEST # 91001 PROFILE # DUKHUN 002 EPA WASTE # D001, F003, F005

This is a: ✓ Non-wastewater ___ Wastewater

TECHNOLOGY-BASED STANDARDS FOR D001 (40CFR 268.42)

WASTE CODES	SEE ALSO	WASTE DESCRIPTIONS AND/OR TREATMENT SUBCATEGORY	TECHNOLOGY CODE: WASTEWATERS	TECHNOLOGY CODE: NON-WASTE WATERS	Check Description
D001		Ignitable Liquids based on 261.21 (a)(1)-Wastewaters	DEACT	NA	___
D001		Ignitable Liquids based on 261.21(a)(1)-Low TOC Ignitable Liquids Subcategory-Less than 10% total organic carbon.	NA	DEACT	___
D001		Ignitable Liquids based on 261.21(a)(1)-High TOC Ignitable Liquids Subcategory - Greater than or equal to 10% total organic carbon.	NA	FSUBS; RORGS; OR INCIN.	✓

TABLE CCWE.- Constituent concentrations in waste extract (40CFR 268.41)

WASTE CODES	SEE ALSO TABLE 2 OR TABLE CCW IN	REGULATED HAZARDOUS CONSTITUENT	WASTEWATER CONCENTRATION (mg/l)	NON-WASTE WATER Concentration (mg/l)	Check constituents
D004	268.43	ARSENIC	NA	5.0	___
D005	268.43	BARIUM	NA	100	___
D006	268.43	CADMIUM	NA	1.0	___
D007	268.43	CHROMIUM (TOTAL)	NA	5.0	___
D008	268.43	LEAD	NA	5.0	___
D009	268.42 268.43	MERCURY	NA	0.20	___
D010	268.43	SELENIUM	NA	5.7	___
D011	268.43	SILVER	NA	5.0	___
F001-F005 SPENT SOLVENTS	268.42 268.43	ACETONE	0.05	0.59	___
		n-butylalcohol	[illegible]	5.0	___
		Carbon disulfide	[illegible]	4.81	___
		Carbon tetrachloride	0.05	0.96	___
		Chlorobenzene	0.05	0.05	___
		Cresols (and Cresylic acid)	2.82	0.75	___
		Cyclohexanone	[illegible]25	0.75	___
		1,2-Dichlorobenzene	0.65	0.125	___
		Ethylbenzene	0.05	0.053	___
		Ethyl acetate	0.05	0.75	___
		Ethyl ether	0.05	0.75	___
		Isobutanol	5.0	5.0	___
		Methanol	0.25	0.75	___
		Methylene chloride	0.20	0.96	___
		Methyl ethyl ketone	0.05	0.75	___
		Methyl isobutyl Ketone	0.05	0.33	✓
		Nitrobenzene	0.66	0.125	___
		Pyridine	1.12	0.33	___
		Tetrachloroethylene	0.079	0.05	___
		Toluene	1.12	0.33	✓
		1,1,1 trichloroethane	1.05	0.41	___
		1,1,2 trichloro 1,2,2, trifluorethane	1.05	0.96	___
		Trichloroethylene	0.062	0.091	___
		Trichlorofluoromethane	0.05	0.96	___
		Xylene	0.05	0.15	✓

Is this a California list waste? Yes ___ No ✓ If yes, check standard below.

___ Arsenic and/or compounds (as As) 500 mg/l
___ Cadmium and/or compounds (as Cd) 100 mg/l
___ Chromium and/or compounds (as Cr) 500 mg/l
___ Lead and/or compounds (as Pb) 500 mg/l
___ Mercury and/ or compounds (as Hg) 20 mg/l
___ Nickle and/or compounds (as Ni) 134 mg/l
___ Selenium and/or compounds (as Se) 100 mg/l
___ Thallium and/or compounds (as Tl) 130 mg/l

___ Hazardous waste liquid or solid containing halogenated organic compounds (HOC'S) listed in appendix III to 40 268 (list of Halogenated Organic Compounds Regulated under 268.32) in total concentration greater than or eq to 1000 mg/kg., excepting waste already subject to treatment standard for specific HOC, for example, the spen solvents above.

The above information is based on: ___ an attached waste analysis.
✓ my thorough knowledge of the waste.

Original

GENERATOR NOTIFICATION OF WASTE RESTRICTED FROM LAND DISPOSAL

GENERATOR Duke Power Co. / McGuire MANIFEST # 91001 PROFILE # 005 (DUKHUN) EPA WASTE # D001

This is a: ✓ Non-wastewater ___ Wastewater

TECHNOLOGY-BASED STANDARDS FOR D001 (40CFR 268.42)

WASTE CODES	SEE ALSO	WASTE DESCRIPTIONS AND/OR TREATMENT SUBCATEGORY	TECHNOLOGY CODE: WASTEWATERS	TECHNOLOGY CODE: NON-WASTE WATERS	Check Description
D001		Ignitable Liquids based on 261.21 (a)(1)-Wastewaters	DEACT	NA	___
D001		Ignitable Liquids based on 261.21(a)(1)-Low TOC Ignitable Liquids Subcategory-Less than 10% total organic carbon.	NA	DEACT	___
D001		Ignitable Liquids based on 261.21(a)(1)-High TOC Ignitable Liquids Subcategory - Greater than or equal to 10% total organic carbon.	NA	FSUBS; RORGS; OR INCIN.	✓

TABLE CCWE.- Constituent concentrations in waste extract (40CFR 268.41)

WASTE CODES	SEE ALSO TABLE 2 OR TABLE CCW INI	REGULATED HAZARDOUS CONSTITUENT	WASTEWATER CONCENTRATION (mg/l)	NON-WASTE WATER Concentration (mg/l)	Check constituents
D004	268.43	ARSENIC	NA	5.0	___
D005	268.43	BARIUM	NA	100	___
D006	268.43	CADMIUM	NA	1.0	___
D007	268.43	CHROMIUM (TOTAL)	NA	5.0	___
D008	268.43	LEAD	NA	5.0	___
D009	268.42 268.43	MERCURY	NA	0.20	___
D010	268.43	SELENIUM	NA	5.7	___
D011	268.43	SILVER	NA	5.0	___
F001-F005 SPENT SOLVENTS	268.42 268.43	ACETONE	0.05	0.59	___
		n-butylalcohol	5.7	5.0	___
		Carbon disulfide	1.5	4.81	___
		Carbon tetrachloride	0.15	0.96	___
		Chlorobenzene	0.15	0.05	___
		Cresols (and Cresylic acid)	2.52	0.75	___
		Cyclohexanone	0.125	0.75	___
		1,2-Dichlorobenzene	0.55	0.125	___
		Ethylbenzene	0.05	0.053	___
		Ethyl acetate	0.05	0.75	___
		Ethyl ether	0.05	0.75	___
		Isobutanol	5.0	5.0	___
		Methanol	0.25	0.75	___
		Methylene chloride	0.20	0.96	___
		Methyl ethyl ketone	0.05	0.75	___
		Methyl isobutyl Ketone	0.05	0.33	___
		Nitrobenzene	0.66	0.125	___
		Pyridine	1.12	0.33	___
		Tetrachloroethylene	0.079	0.05	___
		Toluene	1.12	0.33	___
		1,1,1 trichloroethane	1.05	0.41	___
		1,1,2 trichloro 1,2,2, trifluorethane	1.05	0.96	___
		Trichloroethylene	0.062	0.091	___
		Trichlorofluoromethane	0.05	0.96	___
		Xylene	0.05	0.15	___

Is this a California list waste? Yes ___ No ✓ If yes, check standard below.

___ Arsenic and/or compounds (as As) 500 mg/l
___ Cadmium and/or compounds (as Cd) 100 mg/l
___ Chromium and/or compounds (as Cr) 500 mg/l
___ Lead and/or compounds (as Pb) 500 mg/l
___ Mercury and/ or compounds (as Hg) 20 mg/l
___ Nickle and/or compounds (as Ni) 134 mg/l
___ Selenium and/or compounds (as Se) 100 mg/l
___ Thallium and/or compounds (as Tl) 130 mg/l

___ Hazardous waste liquid or solid containing halogenated organic compounds (HOC'S) listed in appendix III to 40 268 (list of Halogenated Organic Compounds Regulated under 268.32) in total concentration greater than or equal to 1000 mg/kg., excepting waste already subject to treatment standard for specific HOC, for example, the spent solvents above.

The above information is based on: ___ an attached waste analysis.
✓ my thorough knowledge of the waste.

[illegible] 2/11/91

PRS [redacted] **HAZARDOUS WASTE MANIFEST**

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)* *Form Approved. OMB No. 2050-0039. Expires 9-30-91*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NCD108706029 Manifest Document No. 9101

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Duke Power Company / McGuire Nuclear Station, 12700 Hagers Ferry Road, Huntersville, NC 28078

A. State Manifest Document Number

B. State Generator's ID

4. Generator's Phone (704) 875-5100

5. Transporter 1 Company Name: Duke Power Company — 6. US EPA ID Number: NCD981861438

C. State Transporter's ID

D. Transporter's Phone (704) 373-7807

7. Transporter 2 Company Name: Allworth, Inc. — 8. US EPA ID Number: ALD094476793

E. State Transporter's ID 01003

F. Transporter's Phone (615) 379-3215

9. Designated Facility Name and Site Address: Allworth, Inc., 101 South Park Drive, Mt. Pleasant, TN 38474 — 10. US EPA ID Number: TND981920119

G. State Facility's ID

H. Facility's Phone (615) 379-3215

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Paint Related Material, Flammable Liquid NA1263	003	DM	00165	G	D001 F003 F005
b. RQ Waste Flammable Liquid, Flammable Liquid UN1993	001	DM	00055	G	D001
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. Profile No. DUKHUN002
b. Profile No. DUKHUN004

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Return signed manifest to: Duke Power Co/CMD-North, 13225 Hagers Ferry Road, Huntersville, NC 28078, Attn: Pam Simpson
P.O. W59257-67
In case of emergency call: Pam Simpson 1-704-875-5100
Emergency Guide No. 26, 27 a. b.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Pamela R. Simpson — Signature: Pamela R. Simpson — Month Day Year: 01 14 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James L Brooks — Signature: James L Brooks — Month Day Year:

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kenny Wells — Signature: Kenny Wells — Month Day Year: 01 17 91

FACILITY

19. Discrepancy Indication Space 1/18/91 per Conversation w/ D. Roche item # 20. Completed in error. Crossed off for facility signature P. Taylor

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Billy Bennett — Signature: Billy Bennett — Month Day Year: 01 18 91

EPA Form 8700-22 (Rev. 11-88) Previous editions are obsolete.

INSTRUCTIONS ON BACK SHEET

GENERATOR NOTIFICATION OF WASTE RESTRICTED FROM LAND DISPOSAL

GENERATOR Duke Power Co/McGuire MANIFEST # 91001 PROFILE # 002 (DURHAM) EPA WASTE # D001, F003, F005

This is a: ✓ Non-wastewater ___ Wastewater

TECHNOLOGY-BASED STANDARDS FOR D001 (40CFR 268.42)

WASTE CODES	SEE ALSO	WASTE DESCRIPTIONS AND/OR TREATMENT SUBCATEGORY	TECHNOLOGY CODE		Check Description
			WASTEWATERS	NON-WASTE WATERS	
D001	.....	Ignitable Liquids based on 261.21 (a)(1)-Wastewaters	DEACT	NA	___
D001	.....	Ignitable Liquids based on 261.21(a)(1)-Low TOC Ignitable Liquids Subcategory-Less than 10% total organic carbon.	NA	DEACT	___
D001	.....	Ignitable Liquids based on 261.21(a)(1)-High TOC Ignitable Liquids Subcategory - Greater than or equal to 10% total organic carbon.	NA	FSUBS; RORGS; OR INCIN.	✓

TABLE CCWE.- Constituent concentrations in waste extract (40CFR 268.41)

WASTE CODES	SEE ALSO TABLE 2 OR TABLE CCW IN	REGULATED HAZARDOUS CONSTITUENT	WASTEWATER CONCENTRATION (mg/l)	NON-WASTE WATER Concentration (mg/l)	check constituents
D004	268.43	ARSENIC	NA	5.0	___
D005	268.43	BARIUM	NA	100	___
D006	268.43	CADMIUM	NA	1.0	___
D007	268.43	CHROMIUM (TOTAL)	NA	5.0	___
D008	268.43	LEAD	NA	5.0	___
D009	268.42 268.43	MERCURY	NA	0.20	___
D010	268.43	SELENIUM	NA	5.7	___
D011	268.43	SILVER	NA	5.0	___
F001-F005 SPENT SOLVENTS	268.42 268.43	ACETONE	0.05	0.59	___
		n-butyl alcohol	5.0	5.0	___
		Carbon disulfide	1.05	4.81	___
		Carbon tetrachloride	0.05	0.96	___
		Chlorobenzene	0.15	0.05	___
		Cresols (and Cresylic acid)	2.82	0.75	___
		Cyclohexanone	0.125	0.75	___
		1,2-Dichlorobenzene	0.65	0.125	___
		Ethylbenzene	0.05	0.053	___
		Ethyl acetate	0.05	0.75	___
		Ethyl ether	0.05	0.75	___
		Isobutanol	5.0	5.0	___
		Methanol	0.25	0.75	___
		Methylene chloride	0.20	0.96	___
		Methyl ethyl ketone	0.05	0.75	___
		Methyl isobutyl Ketone	0.05	0.33	✓
		Nitrobenzene	0.66	0.125	___
		Pyridine	1.12	0.33	___
		Tetrachloroethylene	0.079	0.05	___
		Toluene	1.12	0.33	✓
		1,1,1 trichloroethane	1.05	0.41	___
		1,1,2 trichloro 1,2,2, trifluoroethane	1.05	0.96	___
		Trichloroethylene	0.062	0.091	___
		Trichlorofluoromethane	0.05	0.96	___
		Xylene	0.05	0.15	✓

Is this a California list waste? Yes ___ No ✓ If yes, check standard below.

___ Arsenic and/or compounds (as As) 500 mg/l
___ Cadmium and/or compounds (as Cd) 100 mg/l
___ Chromium and/or compounds (as Cr) 500 mg/l
___ Lead and/or compounds (as Pb) 500 mg/l
___ Mercury and/ or compounds (as Hg) 20 mg/l
___ Nickle and/or compounds (as Ni) 134 mg/l
___ Selenium and/or compounds (as Se) 100 mg/l
___ Thallium and/or compounds (as Tl) 130 mg/l

___ Hazardous waste liquid or solid containing halogenated organic compounds (HOC'S) listed in appendix III to 40 CFR 268 (list of Halogenated Organic Compounds Regulated under 268.32) in total concentration greater than or equal to 1000 mg/kg., excepting waste already subject to treatment standard for specific HOC, for example, the spent solvents above.

The above information is based on: ___ an attached waste analysis.
✓ my thorough knowledge of the waste.

GENERATOR NOTIFICATION OF WASTE RESTRICTED FROM LAND DISPOSAL

GENERATOR Duke Power Co. / McGuire MANIFEST # 91001 PROFILE # DUKHHA 004 EPA WASTE # D001

This is a: ✓ Non-wastewater ___ Wastewater

TECHNOLOGY-BASED STANDARDS FOR D001 (40CFR 268.42)

WASTE CODES	SEE ALSO	WASTE DESCRIPTIONS AND/OR TREATMENT SUBCATEGORY	TECHNOLOGY CODE		Check Description
			WASTEWATERS	NON-WASTE WATERS	
D001	.....	Ignitable Liquids based on 261.21 (a)(1)-Wastewaters	DEACT	NA	___
D001	.....	Ignitable Liquids based on 261.21(a)(1)-Low TOC Ignitable Liquids Subcategory-Less than 10% total organic carbon.	NA	DEACT	___
D001	.....	Ignitable Liquids based on 261.21(a)(1)-High TOC Ignitable Liquids Subcategory - Greater than or equal to 10% total organic carbon.	NA	FSUBS; RORGS; OR INCIN.	✓

TABLE CCWE.- Constituent concentrations in waste extract (40CFR 268.41)

WASTE CODES	SEE ALSO TABLE 2 OR TABLE CCW IN	REGULATED HAZARDOUS CONSTITUENT	WASTEWATER CONCENTRATION (mg/l)	NON-WASTE WATER Concentration (mg/l)	check constituents
D004	268.43	ARSENIC	NA	5.0	___
D005	268.43	BARIUM	NA	100	___
D006	268.43	CADMIUM	NA	1.0	___
D007	268.43	CHROMIUM (TOTAL)	NA	5.0	___
D008	268.43	LEAD	NA	5.0	___
D009	268.42 268.43	MERCURY	NA	0.20	___
D010	268.43	SELENIUM	NA	5.7	___
D011	268.43	SILVER	NA	5.0	___
F001-F005 SPENT SOLVENTS	268.42 268.43	ACETONE	0.05	0.59	___
		n-butylalcohol	5.0	5.0	___
		Carbon disulfide	1.05	4.81	___
		Carbon tetrachloride	0.05	0.96	___
		Chlorobenzene	0.15	0.05	___
		Cresols (and Cresylic acid)	2.82	0.75	___
		Cyclohexanone	0.125	0.75	___
		1,2-Dichlorobenzene	0.65	0.125	___
		Ethylbenzene	0.05	0.053	✓
		Ethyl acetate	0.05	0.75	___
		Ethyl ether	0.05	0.75	___
		Isobutanol	5.0	5.0	___
		Methanol	0.25	0.75	___
		Methylene chloride	0.20	0.96	___
		Methyl ethyl ketone	0.05	0.75	___
		Methyl isobutyl Ketone	0.05	0.33	___
		Nitrobenzene	0.66	0.125	___
		Pyridine	1.12	0.33	___
		Tetrachloroethylene	0.079	0.05	___
		Toluene	1.12	0.33	✓
		1,1,1 trichloroethane	1.05	0.41	___
		1,1,2 trichloro 1,2,2, trifluorethane	1.05	0.96	___
		Trichloroethylene	0.062	0.091	___
		Trichlorofluoromethane	0.05	0.96	___
		Xylene	0.05	0.15	✓

Is this a California list waste? Yes ___ No ✓ If yes, check standard below.

___ Arsenic and/or compounds (as As) 500 mg/l
___ Cadmium and/or compounds (as Cd) 100 mg/l
___ Chromium and/or compounds (as Cr) 500 mg/l
___ Lead and/or compounds (as Pb) 500 mg/l
___ Mercury and/ or compounds (as Hg) 20 mg/l
___ Nickle and/or compounds (as Ni) 134 mg/l
___ Selenium and/or compounds (as Se) 100 mg/l
___ Thallium and/or compounds (as Tl) 130 mg/l

___ Hazardous waste liquid or solid containing halogenated organic compounds (HOC'S) listed in appendix III to 40 CFR 268 (list of Halogenated Organic Compounds Regulated under 268.32) in total concentration greater than or equal to 1000 mg/kg., excepting waste already subject to treatment standard for specific HOC, for example, the spent solvents above.

The above information is based on: ___ an attached waste analysis.
✓ my thorough knowledge of the waste.

South Carolina Department of Health and Environmental Control

Bureau of Solid & Hazardous Waste Mgt.
2600 Bull Street, Columbia, SC 29201
Phone: (803) 734-5200
Emergency & Holidays: (803)253-6488

PLEASE PRINT or TYPE (Form designed for use on elite [12-pitch] typewriter) Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's U.S. EPA ID No. N C D 0 8 7 0 6 0 2 9 8 9 0 3 7 — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but is by State law.

GENERATOR

3. Generator's Name and Mailing Address
Duke Power Company - McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, N.C. 28078-8985
NPD
4. Generator's Phone (704) 875-4633

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name: Duke Power Company
6. U.S. EPA ID Number: N C D 9 8 1 1 8 6 1 1 4 3 8
C. State Transporter's ID
D. Transporter's Phone (704) 373-7867

7. Transporter 2 Company Name
8. U.S. EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
ThermalKEM Inc.
2324 Vernesdale Road
Rock Hill, SC 29730
10. U.S. EPA ID Number: S C D 0 4 4 4 4 2 3 3 3
G. State Facility's ID
H. Facility's Phone 803-324-5310

11. U.S. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ Waste Flammable Liquid, n.o.s. Flammable Liquid UN 1993	001	DM	00030	G	F001 F005
b.					8888
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. S T - 0 0 0 0 1 1 - 0 8 8 2
b. S T -
c. S T -
d. S T -

K. Handling Codes for Wastes Listed Above: T09

15. Special Handing Instructions and Additional Information
P.O. # T 38932-67 ADDENDUM
Please return signed manifest to above address, Attn: David W. Phillips
SAN 92355
NAO MNT Shop Waste #7284

Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: David W Phillips — Signature: [signature] — Month Day Year: 1 0 1 1 8 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TIMOTHY W FLOWERS — Signature: [signature] — Month Day Year: 1 0 1 1 8 9

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
ST-1-0882 ALF had F001, F005, 8888. Ozna no longer accepts waste #8888 - ALF needs amending to delete 8888 or change to 6666
a 249 lbs. c lbs.
b lbs. d lbs.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Samuel Dunham — Signature: [signature] — Month Day Year: 1 0 1 7 8 9

FAX TRANSMITTAL MEMO

TO: DAVE Phillips
DEPT: DPMNS FAX #: 704-875-4423
FROM: JEANETTE PHONE: 324-5310
CO: THERMALKEM FAX #: 324-5412355
Post-it™ brand fax transmittal memo 7671

NO. OF PAGES 3

The

AMERICAN NuKEM CORPORATION

GE... FICATION

LAND DISPOSAL RESTRICTIONS COMPLIANCE

This form meets generator restricted waste notification to ThermalKEM Inc. of Rock Hill, SC as required by 40 CFR Part 268.7. The notification statement under category IV below is not required by law. However, we strongly request that you adhere to the intent. It has been written and included by ThermalKEM for the safety and benefit of our customers and our employees.

Generator Name/Location Duke Power Company - McGuire Nuclear Station - NPO

EPA or State ID Number NCD108706029 Manifest Number 89037

Waste Analysis Available? Yes ____ No ✓. If yes, attach copy per 40 CFR Part 268.7 (a) (1) (iv).

I. RESTRICTED WASTE NOTIFICATION (Corresponding Treatment Standard(s)) Certain wastes have been restricted from land disposal effective August 8, 1988, but are treatable at ThermalKEM. Restricted wastes treatable at ThermalKEM are listed in the attached Tables I and II. If your waste is classified as any of those listed in Tables I or II, write the ST number(s) and waste code(s) below and check (✓) the following certification statement. Also circle the appropriate code(s) and treatment standard(s) in the attached tables.

ST Number 00001-0882 Code(s): F001 F005 8888

ST Number ____ Code(s): ____

✓ **I notify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CRF 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). Therefore the waste must be treated by the appropriate regulatory treatment standard (to the appropriate treatment standard, if applicable) prior to land disposal.**

II. WASTE SPECIFIC PROHIBITIONS. (California list wastes.) Additional notification is required under 40 CFR Part 268.32 (j) to state specific characteristics for which land disposal is prohibited. If your waste contains any of these constituents or meets any of these properties, please check below.

____ 1) pH≤ 2.0 ____ 2) PCB≥ 50 ppm ____ 3) Halogenated organic carbon, (HOC's) ≥1000 mg/1

____ 4) Liquids or any free liquids associated with any solid or sludge, containing the following metals or compounds of these metals:

____ Arsenic (As) ≥ 500 mg/1	____ Cadmium (Cd) ≥ 100 mg/1	____ Chromium, (Cr VI) ≥ 500 mg/1
____ Lead (Pb) ≥ 500 mg/1	____ Free Cyanides ≥ 1000 mg/1	____ Mercury (Hg) ≥ 20 mg/1
____ Nickel (Ni) ≥ 134 mg/1	____ Selenium (Se) ≥ 100 mg/1	____ Thallium (Tl) ≥ 130 mg/1

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

III. SOFT HAMMER RESTRICTIONS If your waste is one of the codes listed in Table III, write in the ST Number(s) and waste code(s) and check the following notification statement. Also circle the appropriate waste code(s) in the attached table.

ST Number ____ Code(s): ____

ST Number ____ Code(s): ____

____ **I certify under penalty of law that the requirements of 40 CFR 268.8 (a) (1) have been met and that I have contracted to treat my wastes (or will otherwise provide treatment) by the practically available technology which yields the greatest enviornmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.**

IV. UNRESTRICTED WASTE NOTIFICATION If waste does not fall into the categories listed above in Items I, II, and III, check the following notification statement.

____ **I notify that I personally have examined and am familiar with the waste through analysis and testing or though notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA 3004(d).**

Signature: David W. Phillips Date: 10/11/89

Print Name: David W. Phillips Title: Environmental Compliance Coordinator

ONLY NOTIFICATIONS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED

1988 American NuKEM Corp. 11 88

TABLE

Treatment Standards For Land Banned Restricted Waste

This restricted waste category is banned from land disposal under 40 CFR Part 268.30 and is subject to one or more treatment standards under 40 CFR Subpart D. Complete the information in Table I below by circling the appropriate waste code(s) and treatment standard(s).

Total Composition, mg/l	F006	K001	K016	K018	K019	K020	K022	K024	K030	K037	K046	K048	K049	K050	K051	K052	K062	K086	K087	K101	K102	K103	K104
1 1,1 Dichloroethane	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2 1,1,1 Trichloroethane	–	–	–	6.0	6.0	–	–	–	–	–	–	–	–	–	–	–	–	0.044	–	–	–	–	–
3 1,2 Dichlorobenzene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.49	–	–	–	–	–
4 1,2 Dichloroethane	–	–	–	6.0	6.0	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5 1,1,2,2 Trichloroethane	–	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6 1,2,4 Trichlorobenzene	–	–	–	–	19	–	–	–	19	–	–	–	–	–	–	–	–	–	–	–	–	–	–
7 1,2,4,5 Tetrachlorobenzene	–	–	–	–	–	–	–	–	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8 2,3 Dinitrophenol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5.6	5.6
9 Acenaphthalene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.4	–	–	–	–
10 Acetone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
11 Acetophenone	–	–	–	–	–	–	19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12 Anthracene	–	–	–	–	–	–	–	–	–	–	–	–	6.2	–	6.2	–	–	–	–	–	–	–	–
13 Aniline	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5.6	5.6
14 Benzene	–	–	–	–	–	–	–	–	–	–	–	–	9.5	–	9.5	9.5	–	–	0.071	–	–	6.0	6.0
15 Benzo(a)anthracene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.4	–	–	–	–	–	–	–	–
16 Benzo(a)pyrene	–	–	–	–	–	–	–	–	–	–	–	–	0.84	0.84	0.84	0.84	–	–	–	–	–	–	–
17 Bis(2-chloroethyl)ether	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18 Bis(2-ethylhexyl)phthalate	–	–	–	–	–	–	–	–	–	–	–	37	37	–	37	–	–	0.49	–	–	–	–	–
19 Chlorobenzene	–	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20 Chloroethane	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21 Chloroform	–	–	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22 Chrysene	–	–	–	–	–	–	–	–	–	–	–	2.2	2.2	–	2.2	–	–	–	3.4	–	–	–	–
23 Cyanide	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24 Cyanides (total)	–	–	–	–	–	–	–	–	–	–	–	1.8	1.8	1.8	1.8	1.8	–	–	–	–	–	–	1.8
25 Cyclohexanone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.49	–	–	–	–	–
26 Di-n-butyl phthalate	–	–	–	–	–	–	–	–	–	–	–	4.2	–	–	4.2	–	–	–	–	–	–	–	–
27 Disulfoton	–	–	–	–	–	–	–	–	–	0.1	–	–	–	–	–	–	–	–	–	–	–	–	–
28 Ethyl Acetate	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
29 Ethylbenzene	–	–	–	–	–	–	–	–	–	–	–	67	67	–	67	67	–	0.031	–	–	–	–	–
30 Fluoranthene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.4	–	–	–	–
31 Hexachlorobenzene	–	–	28	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32 Hexachlorobutadiene	–	–	5.6	5.6	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33 Hexachlorocyclopentadiene	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34 Hexachloroethane	–	–	28	28	28	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35 Hexachloropropene	–	–	–	–	–	–	–	–	19	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36 Indeno (1,2,3,-cd) pyrene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.4	–	–	–	–
37 Methanol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
38 Methyl ethyl ketone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
39 Methyl isobutyl ketone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
40 Methylene chloride	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.037	–	–	–	–	–
41 n-Butyl Alcohol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.37	–	–	–	–	–
42 Naphthalene	–	5.6	–	–	5.6	–	–	–	–	–	–	Res	Res	–	Res	Res	–	.049	3.4	–	–	–	–
43 Nitrobenzene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.49	–	–	–	5.6	5.6
44 o-Cresol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.2	–	–	–	–	–	–	–
45 Ortho-Nitroaniline	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	14	–	–	–
46 Ortho-Nitrophenol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.84	–	–	–	–	13	–	–
47 p-Cresol	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.90	–	–	–	–	–	–
48 Pentachlorobenzene	–	–	–	–	–	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49 Pentachloroethane	–	–	–	5.6	–	–	–	–	5.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50 Pentachlorophenol	–	37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51 Phenanthrene	–	5.6	–	–	5.6	–	–	–	–	–	–	7.7	7.7	–	7.7	7.7	–	–	3.4	–	–	–	–
52 Phenol	–	–	–	–	–	–	12	–	–	–	–	2.7	2.7	2.7	2.7	2.7	–	–	–	–	–	5.6	5.6
53 Phthalic acid	–	–	–	–	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54 Pyrene	–	7.3	–	–	–	–	–	–	–	–	–	2.0	2.0	–	2.0	–	–	–	–	–	–	–	–
55 Tetrachloroethane	–	–	6.0	–	–	6.0	–	–	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56 Toluene	–	0.14	–	–	–	–	0.034	–	–	28	–	9.5	9.5	–	9.5	9.5	–	0.031	0.65	–	–	–	–
57 Trichloroethylene	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.031	–	–	–	–	–
58 Xylene	–	0.16	–	–	–	–	–	–	–	–	–	res	res	–	res	res	–	0.015	0.07	–	–	–	–
59 Sum of diphylamine and diphenylnitrosamine	–	–	–	–	–	–	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TCLP Extract																							
1 Antimony	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2 Arsenic	–	–	–	–	–	–	–	–	–	–	–	0.004	0.004	0.004	0.004	0.004	–	–	–	–	–	–	–
3 Barium	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4 Cadmium	0.066	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.066	0.066	–	–
5 Chromium (total)	5.2	–	–	–	–	–	5.2	–	–	–	–	1.7	1.7	1.7	1.7	1.7	0.094	0.094	–	5.2	5.2	–	–
6 Cyanide	Res	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
7 Lead	0.51	0.51	–	–	–	–	–	–	–	–	0.18	–	–	–	–	–	0.37	0.37	0.51	0.51	0.51	–	–
8 Mercury	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
9 Nickel	0.32	–	–	–	–	–	0.32	–	–	–	–	0.048	0.048	0.048	0.048	0.048	–	–	–	0.32	0.32	–	–
10 Selenium	–	–	–	–	–	–	–	–	–	–	–	0.025	0.025	0.025	0.025	0.025	–	–	–	–	–	–	–
11 Silver	0.072	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12 Vanadium	–	–	–	–	–	–	–	–	–	–	–	0.016	0.016	0.016	0.016	0.016	–	–	–	–	–	–	–

TABLE II

F001, F002, F003, F004, F005 SOLVENT RESTRICTIONS

This restricted waste category is banned from land disposal under 40 CFR 268.30 and is subject to one or more treatment standards under 40 CFR Subpart D. Complete the information in Table II below by circling the appropriate waste.

Constituent	Concentration Standard in Extract, mg/1
1. Acetone	0.59
2. n-Butyl Alcohol	5.00
3. Carbon Disulfide	4.81
4. Carbon Tetrachloride	0.96
5. Chlorobenzene	0.05
6. Cresols (and cresylic acid	0.75
7. Cyclohexanone	0.75
8. 1,2-Dichlorobenzene	0.125
9. Ethyl acetate	0.75
10 Ethylbenzene	0.053
11 Ethyl ether	0.75
12 Isobutanol	5.00
13 Methanol	0.75
14 Methylene chloride	0.96
15 Methyl ethyl ketone	0.75
16 Methyl isobutyl ketone	0.33
17 Nitrobenzene	0.125
18 Pyridine	0.33
19 Tetrachloroethylene	0.05
20 Toluene	0.33
21 1,1,1-Trichloroethane	0.41
22 1,1,2-Trichloro-1,2,2-Trifluoroethane	0.96
23 Trichloroethylene	0.091
24 Trichlorofluoromethane	0.96
25 Xylene	0.15

TABLE III

SOFT HAMMER WASTE

The following waste codes are subject to soft hammer provisions and are acceptable (based on sample review) to ThermalKEM. EPA has set treatment requirements. The following wastes are banned from land disposal effective August 8, 1988. Complete the information below by circling the appropriate waste code.

Waste Code	Waste Description
261.31 Wastes - Non Specific Source	
F007	Spent cyanide plating bath solutions from electroplating operations.
F008	Plating bath sludges from the bottom of plating baths from electroplating operations
F009	Spent stripping and cleaning bath solutions from from electroplating operations where cyanides are used in the process.
F019	Wastewater treatment sludges from the chemical convesion coating of aluminum
261.32 Wastes - Specific Source	
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin
K035	Wastewater treatment sludges generated in the production of creosote
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds
K085	Distillation of fractionation column bottoms from the production of chlorobenzenes
261.33 (e) Wastes - Acute Hazardous	
P001	Warfarin, when present at concentration greater than 0.3%
P004	Aldrin
P005	Allyl alcohol
P010	Arsenic acid
P011	Arsenic (V) oxide
P012	Arsenic (III) oxide
P016	Bis-(chloromethyl) ether
P018	Brucine
P020	Dinoseb
P030	Soluble cyanide salts not elsewhere specified
P037	Dieldrin
P039	Disulfoton
P041	Diethyl-p-nitrophenyl phosphate
P048	2,4-Dinitrophenol
P050	Endosulfan
P059	Heptachlor
P068	Methyl Hydrazin
P069	2-Methyllactonitrile
P070	Aldicarb
P071	Methyl parathion
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
P089	Parathion
P094	Phorate
P097	Famphur
P102	Propargyl alcohol
P108	Strychnine and salts
P110	Tetraethyl lead
P123	Toxaphene
261.33 (f) Wastes - Toxic	
U007	Acrylamide
U009	Acrylonitrile
U010	Mitomycin C
U012	Aniline
U016	3,4-Benzacridine
U018	Benz(a)anthracene
U019	Benzene
U022	Benzo(a)pyrene
U029	Methyl bromide
U031	n-Butanol
U036	Chlordane technical
U037	Chlorobenzene
U041	1-Chloro-2,3-epoxypropane
U043	Vinyl chloride
U044	Chloroform
U046	Chloromethyl methyl ether
U050	Chrysene
U051	Creosote
U053	Crotonaldehyde
U061	DDT
U063	Dibenze[a.h.]anthracene
U064	Dibenzo[a,i]pyrene
U066	1,2-Dibromo-3-chloropropane
U067	Ethylene dibromide
U074	1,4-Dichloro-2-butene
U077	Ethane, 1,2-dichloro
U078	1,1-Dichloroethylene
U086	N,N- Diethylhydrazine
U089	Diethylstilbestrol
U103	Dimethyl sulfate
U105	2,4-Dinitrotoluene
U108	1,4-Diethyleneoxide
U115	Ethylene oxide
U122	Formaldehyde
U124	Furan
U129	Lindane
U130	Hexachlorocyclopentadiene
U137	Indeno[1,2,3cd]pyrene
U154	Methanol
U155	Methapyrilene
U157	3-Methylcholanthrene
U158	4,4-Methylene-bis-(2-chloroaniline)
U159	Methyl ethyl ketone
U171	2-Nitropropane
U177	N-Nitroso-N-methylurea
U180	N-Nitrosopyrrolidine
U185	Pentachloronitrobenzene
U188	Phenol
U192	Pronamide
U200	Reserpine
U209	1,1,2,2-Tetrachloroethane
U210	Tetrachloroethylene
U211	Carbon tetrachloride
U219	Thiourea
U220	Toluene
U221	Toluenediamine
U223	Tolune diisocyanate
U226	Methylchloroform
U227	1,1,2-Trichloroethane
U228	Trichloroethylene
U237	Uracil mustard
U238	Ethyl carbamate

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

October 6, 1989

McGUIRE

Mr. J. S. Carter, Technical System Manager
Nuclear Environmental Compliance
Duke Power Company
P. O. Box 33189
Charlotte, North Carolina 28242

RE: Extension of Accumulation Time

Dear Mr. Carter:

On October 4, 1989, this Agency received your request for an extension of the 90-day limit for storage of hazardous waste by a generator without a permit. This request is for NCD108706029.

In order to allow sufficient time to completely characterize the contents of the two drums of waste, a 30-day extension is hereby granted from October 4, 1989, to November 4, 1989. This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By November 10, 1989, you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerome H. Rhodes

Jerome H. Rhodes, Chief
Hazardous Waste Section
Solid Waste Management Division

JHR/MSB/lrc

cc: Adam Wipfield

DUKE POWER COMPANY
NUCLEAR PRODUCTION DEPARTMENT
P.O. BOX 33189, 422 SOUTH CHURCH STREET
CHARLOTTE, N.C. 28242
(704) 373-4011

RECEIVED
OCT 5 1989
HAZARDOUS WASTE BRANCH

October 3, 1989

Mr. Jerry Rhodes
Department of Environment, Health,
and Natural Resources
Division of Solid Waste Management
Hazardous Waste Section
P.O. Box 27687
Raleigh, N.C. 27611

SUBJECT: 30-Day Extension Request
for McGuire Nuclear Station
File: MC-707.01

Dear Mr. Rhodes:

Per my conversation on October 3, 1989 with Margaret Babb, we are formally requesting an extension to the 90-day storage time limit for McGuire Nuclear Station (EPA ID # NCD108706029) for two drums of hazardous waste. Margaret gave us verbal approval for the extension, but requested that we follow up with a written formal request. The 90th day for the two drums is October 4, 1989, and the waste is being stored in 55 gallon steel drums. At the present time we are unable to determine the EPA ID numbers that would apply because we have not received the sample analysis results back from the laboratory.

The reason for requesting this extension is as follows:

Duke Power representatives were unable to completely characterize the contents of the two drums when they were found. A hazardous waste analysis request was submitted to Duke Power's Applied Science's Center for characterization and the results identified the drums as hazardous. The land disposal restriction regulations (part 268) of RCRA were then applied to the waste. Knowledge could not be used to determine the presence of any restricted waste in the drums, therefore the decision was made to also have TCLP analysis conducted on the two drums. The samples were sent to EMS Laboratories, Inc. and Duke Power did not receive the test results back until October 3, 1989. This did not allow Duke Power enough time to arrange for disposal before the 90th day, however we will be able to arrange for disposal within this 30 day extension time period.

Your consideration in this matter is appreciated. If you have any questions or concerns, please feel free to call me at (704) 373-2310.

J. S. Carter

J. S. Carter, Technical System Manager
Nuclear Environmental Compliance

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

4WD-RCRA

AUG 24 1989

Mr. J. S. Carter
Duke Power Company
P.O. Box 33189
422 South Church Street
Charlotte, NC 28242

Re: Receipt of Certification/Demonstration Submitted Pursuant to 40 CFR 268.8, EPA ID No. NCD 108 706 026

Dear Mr. Carter:

This letter is to acknowledge the receipt by the Environmental Protection Agency on 11 July 1989, of the Certification/ Demonstration submitted pursuant to 40 CFR 268.8 for the U154 waste generated by Duke Power Company.

Certification and Demonstration as outlined in 40 CFR 268.8 is self-implementing. Section 268.8 (e) states:

> Once the certification is received by the EPA, and provided that the wastes have been treated by the treatment (if any), determined by the generator to yield the greatest environmental benefit practically available, the wastes may be disposed in a landfill or surface impoundment unit meeting the requirements of 40 CFR 268.5 (h)(2), unless otherwise prohibited by the EPA.

In the event that the decision is to invalidate a Certification/Demonstration, the generator will be notified. Upon receipt of the Notice of Invalidation, the disposal of the "soft hammer" wastes in a surface impoundment or landfill must cease.

If you have any questions, please contact Mr. Glenn May of my staff at (404)347-7603.

Sincerely yours,

John C. Lank, Jr., P.E.
Chief, East Unit
Waste Compliance Section

cc: Jerry Rhodes, NC Hazardous Waste Branch, State Program Director
Adam Wipfield, NC Hazardous Waste Branch, Western Region

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

June 7, 1989

Certified Mail
Return Receipt Requested

Notice of Violation
Docket No. 89-230

Robert Simril
McGuire Nuclear - Duke Power
PO Box 488
Cornelius, NC 28031

NCD108706029

RE: Additional Reporting Requirements
For Extension of Accumulation Time

Dear Mr. Simril:

On December 18, 1980 the State of North Carolina, Solid and Hazardous Waste Management Branch (State) was authorized to operate the State RCRA hazardous waste program under the Solid Waste Management Act, (Act) N.C.G.S. 130-A, Article 9 and rules promulgated thereto at 10 NCAC 10F, (rules) in lieu of the federal RCRA program. Duke Power, EPA ID NO. NCD108706029 is classified as a generator of hazardous waste and is subject to requirements of 40 CFR 262 codified at 10 NCAC 10F, .0030.

40 CFR 262.43 codified at 10 NCAC 10F, .0030 requires generators to furnish additional reports as deemed necessary concerning the quantities and disposition of wastes identified or listed in 40 CFR Part 261.

A letter dated November 8, 1988 from this office notified Duke Power of the granting of an extension to the 90 day limit for accumulation of hazardous waste. The same letter requested a copy of the manifest for the shipment of that waste, signed by you and the transporter. To date this office has not received a copy of that manifest. Therefore Duke Power, (McGuire Nuclear Station) is in violation of 40 CFR 262.43 codified at 10 NCAC 10F .0030.

COMPLIANCE SCHEDULE

Comply with 40 CFR 262.43 codified at 10 NCAC 10F .0030, Additional reporting, by submitting to this office by June 20, 1989 a copy of the manifest for the off-site shipment of hazardous waste accumulated under the extension granted on November 8, 1988. This

copy of this manifest shall be signed by the generator and the transporter.

Sincerely,

Jerome H. Rhodes, Head
Hazardous Waste Branch
Solid Waste Management Section

JHR/MSB/pcs

cc: Adam Wipfield

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

4WD-RCRA

JUL 25 1989

Mr. John Carter
Duke Power company
422 South Church Street
Charlotte, NC 28242

Re: Acknowledgement of Receipt of Demonstration and Certification Submitted Pursuant to 40 CFR 268.8, EPA ID No. NCD 108 706 026

Dear Mr. Carter:

The Environmental Protection Agency has reviewed Duke Power Company's Certification/Demonstration for the P030 "soft hammer" waste. This letter acknowledges the 23 May 1989 receipt of the certification and demonstration, submitted pursuant to 40 CFR 268.8.

On June 23, 1989, the Environmental Protection Agency promulgated treatment standards for many of the second third scheduled wastes. "Land Disposal Restrictions for Second Third Scheduled Wastes" was published in the Federal Register, Vol. 54, No. 120, June 23, 1989, pp. 26594-26652. The waste code P030 submitted in your certification/demonstration was included in the treatment standards in this final rule and is no longer a "soft hammer" waste.

If you have any questions, please contact Mr. Glenn May of my staff at 404/347-7603.

Sincerely yours,

John C. Lank, Jr., P.E.
Chief, East Unit
Waste Compliance Section

cc: Jerry Rhodes, NC Hazardous Waste Branch
Adam Wipfield, NC Hazardous Waste Branch, Western Region

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

4WD-RCRA

AUG 8 1989

Mr. R.T. Simril
Duke Power Company
P.O. Box 33189
Charlotte, NC 28242

Re: Receipt of Certification/Demonstration Submitted Pursuant to 40 CFR 268.8, EPA ID No. NCD 108 706 029

Dear Mr. Simril:

This letter is to acknowledge the receipt by the Environmental Protection Agency on 24 January 1989, of the Certification/ Demonstration submitted pursuant to 40 CFR 268.8 for the waste code U226 generated by Duke Power Company at the McGuire Nuclear Station.

Certification and Demonstration as outlined in 40 CFR 268.8 is self-implementing. Section 268.8 (e) states:

> Once the certification is received by the EPA, and provided that the wastes have been treated by the treatment (if any), determined by the generator to yield the greatest environmental benefit practically available, the wastes may be disposed in a landfill or surface impoundment unit meeting the requirements of 40 CFR 268.5 (h)(2), unless otherwise prohibited by the EPA.

In the event that the decision is to invalidate a Certification/ Demonstration, the generator will be notified. Upon receipt of the Notice of Invalidation, the disposal of the "soft hammer" wastes in a surface impoundment or landfill must cease.

If you have any questions, please contact Mr. Glenn May of my staff at (404)347-7603.

Sincerely yours,

John C. Lank, Jr., P.E.
Chief, East Unit
Waste Compliance Section

cc: Jerry Rhodes, NC Hazardous Waste Branch, State Program Director
Adam Wipfield, NC Hazardous Waste Branch, Western Region

GENERATOR INSPECTION FORM - PART 262

DUKE POWER McGUIRE NUCLEAR STATION NCD 108706029 MECKLENBURG
Name of Site EPA I.D. County

NC Hwy 73 HUNTERSVILLE 8/2/89 Adam Winfield
Location Inspection Date Signature of Inspector(s)

follow-up from 6/20/89 K
Compliance Date Signature of Facility Contact

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   ___ Subpart D waste (b)
   ___ Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   ___ EPA generator number (a)
   ___ EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   ___ proper manifest (a)
   ___ permitted facility (b)

4. Required Information (262.21)
   ___ document number (a)(1)
   ___ generator identification (a)(2)
   ___ transporter identification (a)(3)
   ___ facility identification (a)(4)
   ___ D.O.T. description (a)(5)
   ___ total quantity (a)(6)
   ___ certification (b)

5. Number of Copies (262.22)
   ___ minimum number

6. Use of the Manifest (262.23)
   ___ generator handwritten signature (a)(1)
   ___ transporter signature/date (a)(2)
   ___ retain copy (a)(3)
   ___ copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   ___ D.O.T. compliance

8. Labeling (262.31)
   ___ D.O.T. compliance

9. Marking (262.32)
   ___ D.O.T. compliance (a)
   ___ "HAZARDOUS WASTE" label (b)

10. Placarding (262.33)
   ___ D.O.T. compliance

11. Accumulation Time (262.34)
   ___ Subpart I; J (a)(1)
   ___ accumulation date (a)(2)
   ___ "Hazardous Waste" (a)(3)
   C Subpart C; D (a)(4)* —
   ___ personnel training (a)(4)*
   C2 SATELLITE STORAGE AREA —
   *Cite specific violations of 40 CFR 265 under remarks

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
   ___ manifest retention (a)
   ___ annual/exception report (b)
   ___ test/waste analysis (c)

FACILITY INFORMATION:

DUKE POWER McGUIRE NUCLEAR STATION

formerly: DUKE POWER CMD NORTH

N.C. HWY 73 HUNTERSVILLE, N.C.

MECKLENBURG COUNTY

DATE OF INSPECTION

6-20-89

EPA ID NUMBER:

NCD 108 706 029

RESPONSIBLE OFFICIAL: DAVE PHillips, ENVIRONMENTAL/ COMPLIANCE COORDINATOR

SURVEY PARTICIPANTS: Adam WIPFIELD, DAVE PHillips, PAM SIMPSON

DOCUMENTATION OF SITE DEFICIENCIES: See COMPLIANCE SCHEDULE

FACILITY DESCRIPTION:

DUKE POWER CONSTRUCTION and MAINTENANCE DIVISION is the COMPANY'S MAINTENANCE SUPPORT group based at the McGUIRE NUCLEAR POWER PLAN. HAZARDOUS WASTE generated at this site is PRIMARILY paint and SOLVENT WASTE which is drummed and stored in a flammable waste storage shed enclosed by a security fence. HAZARDOUS WASTE is transported by WILMS TRUCKING COMPANY for disposal at ThermalKEM in Rock Hill, S.C. Several parts washers are serviced by Safety Kleen (0001). There are 3 90-day STORAGE areas ON SITE. One is a CONTAINER STORAGE building ADJACENT to the REACTOR BUILDING, where SOLVENT & OIL MIXTURES are stored. THE SECOND is a STORAGE building NEXT to THE LABORATORY COMPLEX. THE LAST IS THE aforementioned PAINT WASTE STORAGE SHED.

In addition, there are two SATELLITE accumulation areas in the laboratory building for mercury thiocyanate AND WASTE SOLVENTS. On the day of the inspection, the CMD group had just occupied a newly-completed building. AT THIS TIME, No RCRA activity takes place in this new building.

6-20-89

NOTE NAME CHANGE OF FACILITY
TO McGUIRE Nuclear station

old EPA# NCD 108 706 029

PAM SIMPSON - assist ENG.

EXTENSIONS of accumulation time

DAVE PHILLIPS - ENVIRON. Compliance COORDINATOR

① waste paint - D001 solids - THIS WASTESTREAM IS NOW COMBINED W/ #3.

K019 Remover - D001 (SOLVENT) aerosol cans

LAB Phenol liquid - U188 (LAB?)

② Parts washers

DYKEM steel blue - D001 ONE-SHOT disposal - HARDENED in CANS

③ paint cleaning solvents - F003

LAB waste poison, mercuric thiocyanate - LAB WASTE

④ ammonium hydroxide from photolab D002 - blueprint MACHINE (deleted)

COMPOUND cleaning liquid - F002

LAB PACK - D001, D002

⊛ Central waste storage facility

CMD MAIN COMPLEX (office)

⊛ Discarded mat'ls Bldg. - HAZ waste STORAGE

Paint warehouse

bottled gas storage bldg.

1ST
Thermal KEM
ROCK HILL

ANNUAL REPORT OK

⊛ evacuation PLAN for above bldgs

back-up TSD:
ENSCO, INC.
EL DORADO, AR

check which specific solvent is in H/W shipment 2/13/89 # 89002
F003, F005

Safety Kleen MAN #'s are NOT sequential or generator assigned

Pers. training - COMPUTER list of most recent training
Job Titles & desc. OK
need to segregate out a list of personnel who are directly involved w/ RCRA for training.

90d ① CMD discarded mat'ls bldg. ~15 drums

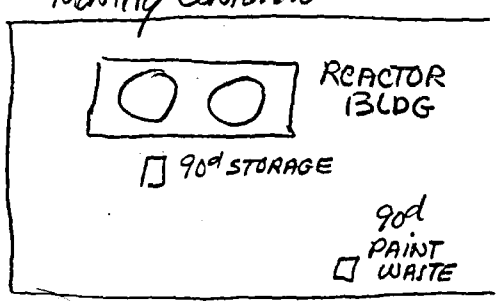
INSP ③ LAB (satellite) 7- 5 gall polypropylene containers
2 marked "COD waste" (also Hg)
w/ o analyser room - 2 Hg ; 1 phenol
③ inside fence - 90d & satell for solvents & oil mixed w/ solvent
3 drums IN STORAGE ; 10 Fiber lab pack containers
INSP Paint mix SHACK - 1 drum waste solvents
④ 2 satell areas inside plant - waste oils & solvents used for cleaning lab equipment for oil analysis (auxilliary bldg)

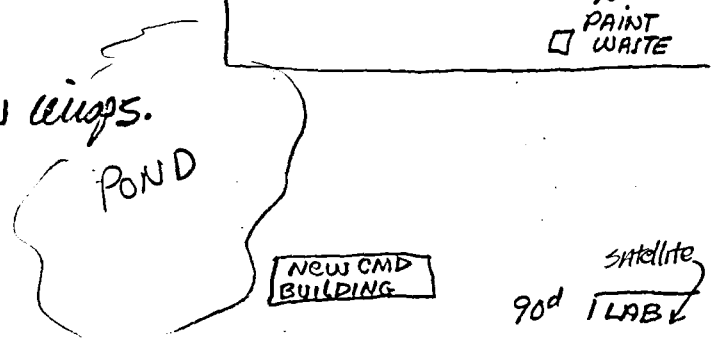
oil lab - central fuels - 6-5 gal metal cans - NOT labelled to identify contents

90d storage bldg NEXT to lab

about 4 Safety Kleen parts cleaners

Corrective action is NOT noted on maps.





DYNE Phillips
ENVIRONMENTAL Compliance Coordinator
DUKE POWER McGUIRE NUCLEAR STATION
P.O. BOX 488
CORNELIUS, N.C. 28031

NOTICE OF VIOLATION
DOCKET # _____

re: NCD 108706029

Dear Mr. Phillips:

On December 18, 1980 the State of North Carolina, Hazardous Waste Branch (State) was authorized to operate the State RCRA hazardous waste program under the Solid Waste Management Act (Act), N.C.G.S. 130A, Article 9 and rules promulgated thereto at 10 NCAC 10F, (Rules) in lieu of the federal RCRA program.

DUKE POWER McGUIRE NUCLEAR STATION (DPM) IN CORNELIUS,

[redacted] North Carolina is classified as a generator of hazardous waste and is subject to the requirements of 40 CFR 262 codified at 10 NCAC 10F .0030.

On JUNE 20 [redacted], 1989, Mr. Adam Wipfield, Waste Management Specialist with this office, inspected your facility for compliance with North Carolina Hazardous Waste Management Rules. During that inspection, the following violations were noted:

A.) 40 CFR 262.34(c)(1)(ii), codified at 10 NCAC 10F .0030, states that a generator may accumulate as much as 55 gallons of hazardous waste or one quart of acutely hazardous waste listed in 261.33(e), in containers at or near any point of generation where wastes initially accumulate, which is under the control of the operator of the process generating the waste, without a permit or interim status and without complying with paragraph (a) of this section, provided he marks his containers either with the words "Hazardous Waste" or with other words that identify the contents of the containers.

DPM [redacted] is in violation of 40 CFR 262.34(c)(1)(ii), codified at 10 NCAC 10F .0030, in that hazardous waste containers located in the [redacted] LABORATORY area were not marked with the words "Hazardous Waste".

B.) 40 CFR 262.34(a)(4), codified at 10 NCAC 10F .0030, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the generator complies with the requirements for owner or operators in Subparts C and D in 40 CFR Part 265 and with Section 265.16.

40 CFR 265.54(c), codified at 10 NCAC 10F .0033, states that the contingency plan must be reviewed, and immediately amended, if necessary , whenever the facility changes in its design, construction, operation, maintenance, or other circumstances in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents, or changes the response necessary in an emergency.

DPM [redacted] is in violation of 40 CFR 262.34(a)(4), codified at 10 NCAC 10F .0030 referenced at 40 CFR 265.54(c), codified at 10 NCAC 10F .0033 in that the existing contingency plan has not been amended to include evacuation procedures for the newly acquired buildings which house RCRA regulated processes.

COMPLIANCE SCHEDULE

By _____, 1989, you shall comply with the following requirements:

A.) Comply with 40 CFR 262.34(c)(1)(ii), codified at 10 NCAC 10F .0030, by marking containers in the paint booth area with the words "Hazardous Waste" or with other words that identifies the contents of the containers.

B.) Comply with 40 CFR 265.54(c), codified at 10 NCAC 10F .0033, by amending the contingency plan to include evacuation procedures for [redacted] ALL RCRA-ACTIVE PORTIONS OF THE FACILITY

If the requirements noted above are not met, pursuant to N.C.G.S. 130A-22(a) and 10 NCAC 10G .0701 - .0707, an administrative penalty of up to $10,000.00 per day may be assessed for violation of the hazardous waste law or regulations.

Sincerely,

Jerome H. Rhodes

Jerome H. Rhodes, Head
Hazardous Waste Branch
Solid Waste Management Section

JHR/dd

cc: Douglas Holyfield
Central Files
Adam Wipfield

DH256

GENERATOR INSPECTION FORM - PART 262

DUKE POWER CO. NORTH	NCD 087066029	MECKLENBURG
Name of Site	EPA I.D.	County
NC HWY 73	6-20-89	Schwindeld
Location	Inspection Date	Signature of Inspector(s)
		x [illegible] 6/20/89
Compliance Date		Signature of Facility Contact

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - C Subpart D waste (b)
   - C Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - C EPA generator number (a)
   - C EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - C proper manifest (a)
   - C permitted facility (b)

4. Required Information (262.21)
   - ___ document number (a)(1)
   - C generator identification (a)(2)
   - C transporter identification (a)(3)
   - C facility identification (a)(4)
   - C D.O.T. description (a)(5)
   - C total quantity (a)(6)
   - C certification (b)
   - C LAND BAN

5. Number of Copies (262.22)
   - C minimum number

6. Use of the Manifest (262.23)
   - C generator handwritten signature (a)(1)
   - C transporter signature/date (a)(2)
   - C retain copy (a)(3)
   - C copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   - C D.O.T. compliance

8. Labeling (262.31)
   - C D.O.T. compliance

9. Marking (262.32)
   - C D.O.T. compliance (a)
   - C "HAZARDOUS WASTE" label (b)

10. Placarding (262.33)
    - C D.O.T. compliance

11. Accumulation Time (262.34) AW
    - AWC C Subpart I; J (a)(1) See CONTAINER SHEET
    - C accumulation date (a)(2)
    - C "Hazardous Waste" (a)(3)
    - X Subpart C; D (a)(4)*
    - C personnel training (a)(4)*
    - X satellite accumulation area

    *Cite specific violations of 40 CFR 265 under remarks

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    - C manifest retention (a)
    - C annual/exception report (b)
    - C test/waste analysis (c)

13. Annual Reporting (262.41)
   C submitted (a)(1-6)
   C submitted (b)

14. Exception Reporting (262.42)
   C transporter contact (a)
   C exception report (b)(1)(2)

REMARKS: 265.52(d) evacuation plan must show routes & alternate routes for all RCRA-active portions of the facility.

262.34(c)(1)(ii) L H/W containers in satellite accumulation areas must be marked with words identifying contents

DHS FORM 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

CONTAINER/TANK INSPECTION FORM - PART 265

DUKE POWER CMD NORTH | NCD108706029 | 6/20/89

Name of Site | EPA I.D. | Inspection Date

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition Of Containers (265.171).
   - C leakage
   - C past leakage (evidence)
   - C severe rusting
   - C structural defect

2. Compatibility Of Waste With Containers (265.172)
   - C visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (265.173)
   - C closed (a)
   - C improper handling or storage (b)

4. Inspections (265.174)
   - C weekly (minimum)

5. Special Requirements For Ignitable or Reactive Waste (265.176)
   - C 15m (50 ft)

6. Special Requirements For Incompatible Waste (265.177)
   - C mixing (a)
   - C unwashed container (b)
   - C separation (c)

SUBPART J - TANKS

1. General Operating Requirements (265.192)
   - ___ compatibility (a)(b)
   - ___ uncovered tank precautions (c)
   - ___ overflow prevention (d)

2. Waste Analysis and Trial Tests (265.193)*
   *Section not applicable to a generator only
   - ___ waste analysis/trial test

3. Inspections (265.194)
   - ___ discharge control equipment (a)(1)
   - ___ monitoring equipment (a)(2)
   - ___ waste level (a)(3)
   - ___ construction material (a)(4)
   - ___ surrounding area (a)(5)
   - ___ assessment schedule/procedures (b)

4. Closure (265.197)
   - ___ plan on-site

5. Special Requirements For Ignitable Or Reactive Waste (265.198)
   - ___ properly stored (a)(1)(2)(3)
   - ___ buffer requirements (b)

6. Special Requirements For Incompatible Wastes (265.199)
   - ___ properly stored (a)
   - ___ tank washed (b)

REMARKS: _____

DHS Form 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

July 6, 1989

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF VIOLATION
Docket # 89-268

Mr. Dave Phillips
Environmental Compliance Coordinator
Duke Power McGuire Nuclear Station
P.O. Box 488
Cornelius, North Carolina 28301

NCD 108 706 029

Dear Mr. Phillips:

On December 18, 1980 the State of North Carolina, Hazardous Waste Branch (State) was authorized to operate the State RCRA hazardous waste program under the Solid Waste Management Act (Act), N.C.G.S. 130A, Article 9 and rules promulgated thereto at 10 NCAC 10F, (Rules) in lieu of the federal RCRA program. Duke Power McGuire Nuclear Station, Cornelius, North Carolina is classified as a generator of hazardous waste and is subject to the requirements of 40 CFR 262 codified at 10 NCAC 10F .0030.

On June 20, 1989, Mr. Adam Wipfield, Waste Management Specialist with this office, inspected your facility for compliance with North Carolina Hazardous Waste Management Rules. During that inspection, the following violations were noted:

A. 40 CFR 262.34(c)(1)(ii), codified at 10 NCAC 10F .0030, states that a generator may accumulate as much as 55 gallons of hazardous waste or one quart of acutely hazardous waste listed in 261.33(e), in containers at or near any point of generation where wastes initially accumulate, which is under the control of the operator of the process generating the waste, without a permit or interim status and without complying with paragraph (a) of this section, provided he marks his containers either with the words "Hazardous Waste" or with other words that identify the contents of the containers.

Duke Power McGuire Nuclear Station violation of 40 CFR 262.34(c)(1)(ii), codified at 10 NCAC 10F .0030, in that

hazardous waste containers located in the laboratory area were not marked with the words "Hazardous Waste".

B. 40 CFR 262.34(a)(4), codified at 10 NCAC 10F .0030, states that a generator may accumulate hazardous waste on-site for 90 days or less without a permit or without having interim status, provided that the generator complies with the requirements for owner or operators in Subpart C and D in 40 CFR Part 265 and with Section 265.16.

40 CFR 265.54(c), codified at 10 NCAC 10F .0033, states that the contingency plan must be reviewed, and immediately amended, if necessary, whenever the facility changes in its design, construction, operation, maintenance, or other circumstances in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents, or changes the response necessary in an emergency.

Duke Power McGuire Nuclear Station, is in violation of 40 CFR 262.34(a)(4), codified at 10 NCAC 10F .0030, referenced at 40 CFR 265.54(c), codified at 10 NCAC 10F .0033, in that the existing contingency plan has not been amended to include evacuation procedures for the newly acquired buildings which house RCRA regulated processes.

COMPLIANCE SCHEDULE

By July 28, 1989, you shall comply with the following requirements:

A. Comply with 40 CFR 262.34(c)(1)(ii), codified at 10 NCAC 10F .0030, by marking containers in the laboratory area with the words "Hazardous Waste" or with other words that identifies the contents of the containers.

B. Comply with 40 CFR 265.54(c), codified at 10 NCAC 10F .0033, by amending the contingency plan to include evacuation procedures for all RCRA-active portions of the facility.

If the requirements above are not met, enforcement action including injunctive relief may be obtained for continued violations of the hazardous waste law or regulations.

Sincerely,

Jerry Rhodes

Jerry Rhodes, Head
Hazardous Waste Branch
Solid Waste Management Section

JR/dd/DH284

cc: Douglas Holyfield
Central Files
Adam Wipfield

DUKE POWER COMPANY
NUCLEAR PRODUCTION DEPARTMENT
P.O. BOX 33189, 422 SOUTH CHURCH STREET
CHARLOTTE, N.C. 28242
(704) 373-4011

July 25, 1988

Mr. James H. Scarbrough
ATTN: Mrs. Brown
Waste Planning Section
RCRA Branch
USEPA Region IV
345 Courtland Street, NE
Atlanta, GA 30365

SUBJECT: Subsequent Notification of Hazardous Waste Activity
EPA Hazardous Waste Generator Number - NCD108706029
File: MC-707.00

Dear Mr. Scarbrough:

Attached please find a subsequent notification form for the Construction Maintenance Department North's hazardous waste generating site. This subsequent notification form has been submitted in order to inform EPA Region IV of a change in the installation contact as well as a change in the proper installation name and mailing address. These changes are effective August 1, 1988.

If you have any questions, please feel free to call Hilary Sommer at (704) 373-2374.

Sincerely,

R.T. Simril

R.T. Simril, Technical System Manager
Nuclear Environmental Compliance

HLS/39/rhm

Attachment

xc: Jerry Rhodes - Department of Human Resources

bc: R.O. Sharpe
D.W. Phillips
R.F. Gray
P. Simpson
H. Wallace
T.L. McConnell
B.H. Hamilton
M.D. McIntosh
W.A. Haller
Staff
MC-3001.03-15

Please print or type with ELITE type *(12 characters per inch)* in the unshaded areas only

Form Approved OMB No 2050 0028 Expires 3-30-88
GSA No 0246-EPA-CT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

For Official Use Only

Comments

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)
C F T/A C 1		

I. Name of Installation

MCGUIRE NUCLEAR STATION

II. Installation Mailing Address

Street or P.O. Box: PO BOX 488

City or Town	State	ZIP Code
CORNELIUS	NC	28031

III. Location of Installation

Street or Route Number: HIGHWAY 73 COWANS FORD

City or Town	State	ZIP Code
CORNELIUS	NC	28031

IV. Installation Contact

Name and Title *(last, first, and job title)*	Phone Number *(area code and number)*
SIMRIL, ROBERT MGR.	704 373 2310

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership *(enter code)*
DUKE POWER COMPANY	P

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [ ] 1b. Less than 1,000 kg/mo.
- [ ] 2. Transporter
- [ ] 3. Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [X] 7. Specification Used Oil Fuel Marketer *(or On site Burner)* Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

[ ] A. Utility Boiler [ ] B. Industrial Boiler [ ] C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es)*

[ ] A. Air [ ] B. Rail [ ] C. Highway [ ] D. Water [ ] E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

[ ] A. First Notification [X] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number: NCD 1087060 29

ID — For Official Use Only		
C		T·A·C
W		1

X. Description of Hazardous Wastes *(continued from front)*

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F001	F002	F003	F005		
7	**8**	**9**	**10**	**11**	**12**

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
U188	P106				
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. Listed Infectious Wastes. Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 — 261.24)*

- [X] 1. Ignitable *(D001)*
- [X] 2. Corrosive *(D002)*
- [ ] 3. Reactive *(D003)*
- [X] 4. Toxic *(D000)*

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Official Title *(type or print)*	Date Signed
Robert T Simril	Robert T. Simril Technical System Manager	July 26, 1988

FACILITY INFORMATION

DUKE POWER CMD NORTH
N.C. HIGHWAY 73
HUNTERSVILLE

DATE OF INSPECTION

APPLICABLE REGULATIONS:
40CFR 262

EPA ID NUMBER:
NCD 108706029

MECKLENBURG COUNTY

RESPONSIBLE OFFICIAL: Ed FAULKNER

SURVEY PARTICIPANTS: ADAM WIPFIELD, Ed FAULKNER, PAM SIMPSON

PURPOSE OF SURVEY: A RCRA inspection was conducted at this site in HUNTERSVILLE, N.C. by the N.C. Solid and Hazardous Waste Management Branch. The inspection included a site survey and records review. Regulatory requirements covered those contained in 40 CFR 262 GENERATOR Standards.

DOCUMENTATION OF SITE DEFICIENCIES:

COMPLIANCE SCHEDULE AND RECOMMENDATIONS:

FACILITY DESCRIPTION:

DUKE Power construction and maintenance Division is the company's maintenance support group based at the McGuire Nuclear Power Plant. Hazardous waste generated at this site is primarily paint and solvent waste which is drummed and stored in a flammable waste storage shed enclosed by a security fence. Hazardous waste is transported by Wilms Trucking Company for disposal at ThermalKEM in Rock Hill, S.C. Several parts washers are serviced by Safety Kleen (D001).

6-9-88

DUKE POWER CMD

Ed FAULKNER
PAM SIMPSON

① waste oil & solvents D001 F001 F005
TSD - ThermalKEM ROCK Hill
TRANS - Wilms trucking
→ gear boxes, parts cleaning (degreasing)

② Paint sludge (WASTE PAINT) - F003 ThermalKEM - should be D001

③ Safety Kleen D001 waste Pet. NAPHTHA
CHARLOTTE

④ waste paint cleaning solvents D001 - should be F003
(MEK)

⑤ D009 waste Mercuric Thiocyanate - from lab Testing - 1 drum
TSD: Caldwell Systems
trans: Caldwell Ind. Service

⑥ D002 Corrosive - waste from Photo Lab
Ammonium Hydroxide - pH 13.3

ANNUAL RPT. OK INSP - OK CONT. PLAN OK
training OK segregate "DOWNTOWN" personnel from ON-SITE COORDINATORS.

GENERATOR INSPECTION FORM - PART 262

DUKE POWER CMD NORTH	NCD 108 706 029	MECKLENBURG
Name of Site	EPA I.D.	County
NC HIGHWAY 73 HUNTERSVILLE	6-9-88	[illegible]
Location	Inspection Date	Signature of Inspector(s)
		[illegible]
Compliance Date		Signature of Facility Contact

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - C Subpart D waste (b)
   - C Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - C EPA generator number (a)
   - C EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - C proper manifest (a)
   - C permitted facility (b)

4. Required Information (262.21)
   - C document number (a)(1)
   - C generator identification (a)(2)
   - C transporter identification (a)(3)
   - C facility identification (a)(4)
   - C D.O.T. description (a)(5)
   - C total quantity (a)(6)
   - C certification (b)

5. Number of Copies (262.22)
   - C minimum number

6. Use of the Manifest (262.23)
   - C generator handwritten signature (a)(1)
   - C transporter signature/date (a)(2)
   - C retain copy (a)(3)
   - C copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   - C D.O.T. compliance

8. Labeling (262.31)
   - C D.O.T. compliance

9. Marking (262.32)
   - C D.O.T. compliance (a)
   - C "HAZARDOUS WASTE" label (b)

10. Placarding (262.33)
    - C D.O.T. compliance

11. Accumulation Time (262.34)
    - C Subpart I; J (a)(1)
    - C accumulation date (a)(2)
    - C "Hazardous Waste" (a)(3)
    - C Subpart C; D (a)(4)*
    - C personnel training (a)(4)*

    *Cite specific violations of 40 CFR 265 under remarks

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    - C manifest retention (a)
    - C annual/exception report (b)
    - C test/waste analysis (c)

13. Annual Reporting (262.41)
    C submitted (a)(1-6)
    C submitted (b)

14. Exception Reporting (262.42)
    C transporter contact (a)
    C exception report (b)(1)(2)

REMARKS:

CONTAINER/TANK INSPECTION FORM - PART 264

Name of Site	EPA I.D.	Inspection Date
DUKE POWER CAMD NORTH	NCD 108706029	6-9-86

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition of Containers (264.171)
   - C leakage
   - C past leakage (evidence)
   - C severe rusting
   - C structural defect

2. Compatibility of Waste with Containers (264.172)
   - C visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (264.173)
   - C closed (a)
   - C improper handling or storage (b)

4. Inspections (264.174)
   - C weekly (minimum)

5. Containment (264.175)

   "With Free Liquids"
   - ___ base (free of cracks or gaps) (b)(1)
   - ___ run-on prevention (b)(4)
   - ___ removal of spilled or precipitation (b)(5)
   - ___ protect (c)

   "No Free Liquids"
   - ___ contact with accumulated liquids (c)(2)

   N/A

6. Special Requirements for Ignitable or Reactive Waste (264.176)
   - C 15m (50 ft)

7. Special Requirements for Incompatible Waste (264.177)
   - C mixing (a)
   - C unwashed container (b)
   - C separation (c)

SUBPART J - TANKS

1. General Operating Requirements (264.192)
   - ___ incompatible materials (a)(1)(2)
   - ___ overfilling prevention (b)(1)(2)

2. Inspections (264.194)
   - ___ overfilling control equipment (daily) (a)(1)
   - ___ monitoring data (daily) (a)(2)
   - ___ uncovered tank level (daily) (a)(3)
   - ___ above ground construction materials (weekly) (a)(4)
   - ___ surrounding area (weekly) (a)(5)
   - ___ assessment of tank condition (b)
   - ___ spill response procedures (c)

3. Closure (264.197)
   - ___ residue removal
   - ___ decontamination

4. Special Requirements for Ignitable or Reactive Waste (264.198)
   - ___ improper storage (a)(1)(2)(3)
   - ___ buffer (b)

5. Special Requirements for Incompatible Waste (264.199)
   - ___ mixing (a)
   - ___ unwashed tank (b)

6. Air Emissions (264.200)
   - ___ proper control equipment (a)(b)(c)

REMARKS: No container violations

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

4WD-RCRA

JUN 6 1989

John S. Carter
Duke Power Company
422 South Church Street
Charlotte, NC 28242

Re: Receipt of Certification/Demonstration Submitted Pursuant to 40 CFR 268.8, EPA ID No. SCD 043 979 822

Dear Mr. Carter:

This letter is to acknowledge the receipt by the Environmental Protection Agency on 15 May 1989, of the Certification/Demonstration submitted pursuant to 40 CFR 268.8 for the P030 waste generated by Duke Power Company.

Certification and Demonstration as outlined in 40 CFR 268.8 is self-implementing. Section 268.8 (e) states:

> Once the certification is received by the EPA, and provided that the wastes have been treated by the treatment (if any), determined by the generator to yield the greatest environmental benefit practically available, the wastes may be disposed in a landfill or surface impoundment unit meeting the requirements of 40 CFR 268.5 (h)(2), unless otherwise prohibited by the EPA.

In the event that the decision is to invalidate a Certification/Demonstration, the generator will be notified. Upon receipt of the Notice of Invalidation, the disposal of the "soft hammer" wastes in a surface impoundment or landfill must cease.

If you have any questions, please contact Mr. Glenn May of my staff at (404)347-7603.

Sincerely yours,

John C. Lank, Jr., P.E.
Chief, East Unit
Waste Compliance Section

cc: Mr. Jerry Rhodes, NC Hazardous Waste Branch, State Program Director
Mr. Adam Hipfield, NC Hazardous Waste Branch, Western Region

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

March 20, 1989

Mr. R.T. Simril
Technical System Manger
Nuclear Environmental Compliance
Nuclear Production Dept.
Duke Power Company
PO Box 33189
4225 Church Street
Charlotte, NC 28242

RE: Extension of Accumulation Time

Dear Mr. Simril:

On March 16, 1989, this Agency received your request for an extension of the 90 day limit for storage of hazardous waste by a generator without a permit. This request is for NCD108706029.

In order to allow sufficient time for ThermalKem to clarify the South Carolina Governor's order and to solve problems with he automatic feed lines for liquids to the incinerator , a 30-day extension is hereby granted from March 8, 1989 to April 8, 1989. This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By April 19, 1989, you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerome H. Rhodes

Jerome H. Rhodes
Hazardous Waste Branch
Solid Waste Management Section

JHR/MSB/pcs

cc: Adam Wipfield

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

January 31, 1989

R.T. Simril
Technical System Manager
Nuclear Env. Compliance
Duke Power Company
PO Box 33189
422 S. Church Street
Charlotte, NC 28242

RE: Extension of Accumulation Time

Dear Mr. Simril:

On January 26, 1989, this Agency received your request for an extension of the 90 day limit for storage of hazardous waste by a generator without a permit. This request is for NCD108706029.

In order to allow sufficient time for ThermalKEM to be able to take their waste, 30-day extension is hereby granted from January 24, 1989 to February 24, 1989. This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By March 10, 1989, you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerome H. Rhodes

Jerome H. Rhodes, Head
Hazardous Waste Branch
Solid Waste Management Section

JHR/MSB/pcs

cc: Adam Wipfield

P. O. BOX 33189

DUKE POWER COMPANY
GENERAL OFFICES
422 SOUTH CHURCH STREET
CHARLOTTE, N. C. 28242

TELEPHONE: AREA 704
373-4011

November 11, 1988

Mr. Jerry Rhodes
Head, Hazardous Waste Branch
N.C. Division of Health Services
P. O. Box 2091
Raleigh, N.C. 27602-2091

Subject: Extension of Accumulation Time
NCD 108706029

Dear Mr. Rhodes:

Regarding the extension of 90-day storage granted by your letter of November 8, 1988, attached is the signed manifest from Thermalkem for our shipment of the 31 drums of hazardous waste on November 11, 1988.

Thank you for your assistance with this matter.

Very truly yours,

DUKE POWER COMPANY

David P. Roche

David P. Roche
Environmental Specialist
Corporate Materials Management

DPR/jd

c: Adam Wipfield

UNIFORM HAZARDOUS WASTE MANIFEST

Manifest No. N C D 0 8 7 0 6 0 2 3 — 1 / 1

Information in the shaded areas is not required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address: Duke Power Company McGuire /CMD-North, HWY 73, Huntersville, NC 28078	A. State Manifest Document Number
4. Generator's Phone: 704 875-5100	B. State Generator's ID
5. Transporter 1 Company Name: Duke Power Company	6. U.S. EPA ID Number: N C D 9 8 1 8 6 1 4 3 8
	C. State Transporter's ID
	D. Transporter's Phone: (704) 373-7807
7. Transporter 2 Company Name	8. U.S. EPA ID Number
	E. State Transporter's ID
	F. Transporter's Phone
9. Designated Facility Name and Site Address: ThermalKEM Inc., Route 5, Vernesdale Rd., Rock Hill, SC 29731	10. U.S. EPA ID Number: S C D 0 4 4 4 4 2 3 3 3
	G. State Facility's ID
	H. Facility's Phone: (803) 324-5310

11. U.S. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ Waste Flammable Liquid, NOS, Flammable Liquid UN1993 (F003, D001, F005)	030	DM	01500	G	F003, D001
b. RQ Waste Flammable Liquid, NOS, Flammable Liquid UN1993	001	DM	00055	G	F003, D001
c.					
d.					

J. Additional Descriptions for Materials Listed Above

a. ST-00001-0892
b. ST-00002-0493
c. ___
d. ___

K. Handling Codes for Wastes Listed Above: T09

15. Special Handling Instructions and Additional Information

Return signed manifest to: Duke Power Company, CMD-North, P.O. Box 33189, Charlotte, NC 28242, Attn: Pam Simpson

SAN: 90 87
PO#: R538 -14
Reg#: #4585

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and the laws of the State of South Carolina.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined it is economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
David Kiser	David Kiser	1 8 5 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
RALPH F. BRYANT	Ralph F. Bryant	1 8 1 2 5 8

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
J.D. LEOPARD	J.D. Leopard	1 1 1 1 8

FACILITY

19. Discrepancy Indication Space

a. ___ b. ___ c. ___ d. ___

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19:

Printed/Typed Name	Signature	Month Day Year
Samuel Durham	Samuel Durham	1 1 1 1 8

EPA Form 8700-22 (Rev. 9/85) Previous Editions are Obsolete (DHEC 1988 (Rev. 10/86))

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

November 8, 1988

Mr. Daniel Roche
Environmental Specialist
Corporate Materials Management
Duke Power Company
General Offices
422 South Church Street
Charlotte, NC 28242

RE: Extension of Accumulation time

Dear Mr. Roche:

On November 3, 1988, this Agency received your request for an extension of the 90 day limit for storage of hazardous waste by a generator without a permit. This request is for McGuire Nuclear Station/CMD-North (NCD108706029).

In order to allow sufficient time for 31 drums of waste flammable liquid to be accepted at ThermalKEM, Rock Hill, South Carolina, a 30-day extension is hereby granted from October 31, 1988 to December 1, 1988. This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By December 11, 1988, you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerome H. Rhodes

Jerome H. Rhodes, Head
Hazardous Waste Branch
Solid Waste Management Section

JHR/pcs

cc: Adam Wipfield

Duke Power Company
P.O. Box 33189
Charlotte, NC 28242

(704) 875-5100

DUKE POWER

October 12, 1987

Mr. Jerry Rhodes
Solid and Hazardous Waste Management Branch
North Carolina Department of Human Resources
P.O. Box 2091
Raleigh, North Carolina 27602-2091

Mr. Rhodes:

As requested by your division in response to our request for a thirty day extension for hazardous waste storage, I am attaching a manifest of shipment signed by the Duke Power Company - CMD-Northern Division representative and by a representative of the transporter, Caldwell Systems.

Please contact Pamela Simpson at (704) 875-5100, extension 3248, if additional information is needed.

A R Hollins Jr, Manager
Construction & Maintenance Department - North

B E Taylor
Engineering Manager

PRS/ssr

Attachment

xc: Adam Wipfield
Eddie Faulkner

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NCD108706029

Manifest Document No.:

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Duke Power Co.-CMD Northern Div.
Hwy #73
Huntersville, N.C. 28078

4. Generator's Phone (704) 875-1361

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Caldwell Industries Service

6. US EPA ID Number: NCD980799142

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone: 704-396-2304

9. Designated Facility Name and Site Address:
Caldwell Systems
Mt. Herman Rd.
Lenoir, N.C. 28645

10. US EPA ID Number: NCD086871282

G. State Facility's ID

H. Facility's Phone: 704-728-3251

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Flammable Liquid UN1993 D001		19	DM	1045	gal	D001
b. R.Q. Waste Corrosive Liquid N.O.S. UN1760 D002		2	DM	110	gal	D002
c. R.Q. Waste, Flammable Solid N.O.S. Flammable Solid UN1325		1	DM	55	gal	D001
d. Waste Poison Mecuric Thiocyanate Solution D009		1	DM	55	gal	D009

J. Additional Descriptions for Materials Listed Above
Work ID# 8261STRS402
Requisition Number 83328703570
P.O. Number M39910-14 W/O 5044

K. Handling Codes for Wastes Listed Above
CSI 1475
CSI 1476

15. Special Handling Instructions and Additional Information
In case of spill or fire, follow D.O.T. Emergency Response Guide #26 for (A), #60 for (B), #32 for (C) and #53 for (D).

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: John Stinson | Signature | Month | Day | Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month | Day | Year

Style F15R-6 Labelmaster, Div. of American Labelmark Co. Inc. 60646

EPA Form 8700-22 (Rev. 4-85) Previous edition is obsolete.

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

September 21, 1987

Mr. A. R. Hollins, Jr. Manager
Construction & Maintenance Department
Northern Division
Duke Power Company
P. O. Box 33189
Charlotte, North Carolina 28242

RE: Extension of Accumulation Time

Dear Mr. Hollins:

On September 17, 1987 this Agency received your request for an extension of the 90 day limit for storage of hazardous waste by a generator without a permit. This request is for NCD108706029.

In order to allow sufficient time for the scheduling of incineration by Caldwell Systems of Lenoir, North Carolina, a 30-day extension is hereby granted from September 29, 1987 until October 29, 1987.

This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By November 10, 1987 you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerry Rhodes

Jerry Rhodes, Assistant Branch Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

JR:bw

CC: Adam Wipfield

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

April 23, 1987

Duke Power CMD North
PO Box 33189
Charlotte, NC 28242

RE: EPA ID No. NCD108706029

Dear Sir:

Based on information supplied by you for the site identified with the above EPA ID number, the state has accepted and processed the change RCRA listing or information that you requested.

Listed below is site information contained on our computer files:

COMPANY NAME	Duke Power CMD North	
OWNERSHIP	Duke Power Company	
CONTACT	Faulkner, Ed	
PHONE NUMBER	(704)875-1361	
LOCATION ADDRESS	NC Highway 73	
CITY, STATE & ZIP	Huntersville	NC 28078

Please verify that the above computer listing/information is correct by notifying us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status. Your EPA ID number has not been inactivated.

Sincerely,

Margaret Babb, Environmental Chemist
Solid & Hazardous Waste Management Branch

CC: ADAM WIPFIELD
EPA Region IV

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

March 3, 1987

Duke Power Company
6733 Craig Street
Charlotte, NC 28214

RE: EPA ID No. NCD981861347

Dear Sir:

Based on information supplied by you for the site identified with the above EPA ID number, the state has accepted and processed the change RCRA listing or information that you requested.

Deleted As:
Small Generator

Listed below is site information contained on our computer files:

COMPANY NAME	Duke Power Company
OWNERSHIP	Duke Power
CONTACT	Padgett, Gus
PHONE NUMBER	(704)373-4332
LOCATION ADDRESS	6733 Craig Street
CITY, STATE & ZIP	Charlotte NC 28214

Please verify that the above computer listing/information is correct by notifying us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status. Your EPA ID number has been inactivated.

Sincerely,

Margaret Babb, Environmental Chemist
Solid & Hazardous Waste Management Branch

CC: ADAM WIPFIELD
EPA Region IV

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

March 12, 1987

Duke Power: North Div. Const. & Mai
PO Box 33189
Charlotte, NC 28242

RE: EPA ID No. NCD108706029

Dear Sir:

Based on information supplied by you for the site identified with the above EPA ID number, the state has accepted and processed the change RCRA listing or information that you requested.

Listed below is site information contained on our computer files:

COMPANY NAME	Duke Power: North Div. Const. & Mai
OWNERSHIP	Duke Power Company
CONTACT	Baker, W.E
PHONE NUMBER	(704)373-6362
LOCATION ADDRESS	NC Highway 73
CITY, STATE & ZIP	Huntersville NC 28078

Please verify that the above computer listing/information is correct by notifying us of any corrections.

We are advising EPA of the change. Please notify us if there is any further change in your operations which would affect your status. Your EPA ID number has not been inactivated.

Sincerely,

Margaret Babb

Margaret Babb, Environmental Chemist
Solid & Hazardous Waste Management Branch

CC: ADAM WIPFIELD
EPA Region IV

N. DIV. CONSTRUCTION & MAINTEA
N.C. HIGHWAY 73
HUNTERSVILLE, N.C. 28078

4-10-87

2

108706029

MECKLENBURG

BILL HORTON, MAINTENANCE & EQUIPMENT MANAGER

BILL HORTON, ED FAULKNER

HUNTERSVILLE

2 GENERATOR

NONE cited

N/A

DUKE POWER CONSTRUCTION & MAINTENANCE DIVISION is the company's maintenance support group based at the McGuire Nuclear Power Plant in Northern Mecklenburg County. Hazardous waste generated at this plant site is paint & solvent waste. This waste is drummed and stored in a flammable waste storage shed at McGUIRE which is enclosed by a security fence. Hazardous waste is transported by Caldwell Industrial Services for disposal at Caldwell Systems in LENOIR, N.C. (parts washer is serviced by Safety Kleen (D001, waste petroleum NHHHH).

DUKE POWER CMD NORTH
HWY 73
HUNTERSVILLE 28078
875-1361

ED FAULKER
TECH. SERVICES SUPR.

BILL HORTON - MAINT. & EQUIPMENT MANAGER

H/W: ① EPOXY PAINT WASTE D001 - CALDWELL INDUSTRIAL SERVICES - TRANSP.
CALDWELL SYSTEMS - TSD
② WASTE PETROLEUM NAPTHA - D001 - SAFETY KLEEN
① O.O.D. PAINTS
③ JAMES WASTE OIL - NON-HAZ MOT. OIL
② WASTE PERC F002 - SAFETY KLEEN

H/W deter. OK

MANIFEST # 87001 CALDWELL SYS. 2/3/87 - NO SIGNED COPY
NO EXCEPTION REPORT

insp. log OK
training doc OK
Blast house satellite accumulation area - label drums

SSD-North Duke Power NCD 108 706 029

Service Support Division of Duke Power is the company's maintainance crew based at the McGuire Nuclear Power Plant.

Hazardous waste generated from this operation is waste paint & solvent (MEK). The painting operation is out-of-doors.

When Hazardous waste is accumulated at the company's flamable chemical storage area, it is placed under 24-hour guard with radio.

The painting & storage areas are along the outer fringes of the site's operating area.

GENERATOR INSPECTION FORM - PART 262

N. DIV. CONSTRUCTION & MAINT.	NCD 108706029	MECKLENBURG
Name of Site	EPA I.D.	County
N.C. Hwy 73 HUNTERSVILLE	4/10/87	Adam Winfield
Location	Inspection Date	Signature of Inspector(s)
		X
Compliance Date		Signature of Facility Contact

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - C Subpart D waste (b)
   - C Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - C EPA generator number (a)
   - C EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - C proper manifest (a)
   - C permitted facility (b)

4. Required Information (262.21)
   - C document number (a)(1)
   - C generator identification (a)(2)
   - C transporter identification (a)(3)
   - C facility identification (a)(4)
   - C D.O.T. description (a)(5)
   - C total quantity (a)(6)
   - C certification (b)

5. Number of Copies (262.22)
   - C minimum number

6. Use of the Manifest (262.23)
   - C generator handwritten signature (a)(1)
   - C transporter signature/date (a)(2)
   - C retain copy (a)(3)
   - C copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   - C D.O.T. compliance

8. Labeling (262.31)
   - C D.O.T. compliance

9. Marking (262.32)
   - C D.O.T. compliance (a)
   - C "HAZARDOUS WASTE" label (b)

10. Placarding (262.33)
    - C D.O.T. compliance

11. Accumulation Time (262.34)
    - C Subpart I; J (a)(1)
    - C accumulation date (a)(2)
    - C "Hazardous Waste" (a)(3)
    - C Subpart C; D (a)(4)*
    - C personnel training (a)(4)*

*Cite specific violations of 40 CFR 265 under remarks

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    - C manifest retention (a)
    - C annual/exception report (b)
    - C test/waste analysis (c)

13. Annual Reporting (262.41)
    C submitted (a)(1-6)
    C submitted (b)

14. Exception Reporting (262.42)
    C transporter contact (a)
    C exception report (b)(1)(2)

REMARKS: No violations cited

CONTAINER/TANK INSPECTION FORM - PART 265

N. DIV. CONSTRUCTION & MAINT. | NCD 108 706 029 | 4/10/87

Name of Site | EPA I.D. | Inspection Date

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition Of Containers (265.171)
   - C leakage
   - C past leakage (evidence)
   - C severe rusting
   - C structural defect

2. Compatibility Of Waste With Containers (265.172)
   - C visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (265.173)
   - C closed (a)
   - C improper handling or storage (b)

4. Inspections (265.174)
   - C weekly (minimum)

5. Special Requirements For Ignitable or Reactive Waste (265.176)
   - C 15m (50 ft)

6. Special Requirements For Incompatible Waste (265.177)
   - C mixing (a)
   - C unwashed container (b)
   - C separation (c)

SUBPART J - TANKS

1. General Operating Requirements (265.192)
   - ___ compatibility (a)(b)
   - ___ uncovered tank precautions (c)
   - ___ overflow prevention (d)

2. Waste Analysis and Trial Tests (265.193)*
   *Section not applicable to a generator only
   - ___ waste analysis/trial test

3. Inspections (265.194)
   - ___ discharge control equipment (a)(1)
   - ___ monitoring equipment (a)(2)
   - ___ waste level (a)(3)
   - ___ construction material (a)(4)
   - ___ surrounding area (a)(5)
   - ___ assessment schedule/procedures (b)

4. Closure (265.197)
   - ___ plan on-site

5. Special Requirements For Ignitable Or Reactive Waste (265.198)
   - ___ properly stored (a)(1)(2)(3)
   - ___ buffer requirements (b)

6. Special Requirements For Incompatible Wastes (265.199)
   - ___ properly stored (a)
   - ___ tank washed (b)

REMARKS: No container violations NOTED

DHS Form 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

February 13, 1987

Mr. James C. Leathers, Manager
Fossil Technical Services
Duke Power Company
P. O. Box 33189
422 South Church Street
Charlotte, North Carolina 28242

RE: Extension of Accumulation Time

Dear Mr. Leathers:

On February 6, 1987 this Agency received your request for an extension of the 90 day limit for storage of hazardous waste by a generator without a permit. This request is for NCD024717423.

In order to allow sufficient time for the proper disposal of one drum of 50% sulfinic acid/50% water by Stablex, a 30-day extension is hereby granted from February 9, 1987 until March 9, 1987.

This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By March 24, 1987 you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerry Rhodes

Jerry Rhodes, Assistant Branch Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

JR:bw

CC: Adam Wipfield

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

January 29, 1987

Mr. Bill Baker, Supervisor
Safety and Security
Duke Power
N. C. Hwy 73
Huntersville, North Carolina

RE: Extension of Accumulation Time

Dear Mr. Baker:

On January 23, 1987 this Agency received your request for an extension of the 90 day limit for storage of hazardous waste by a generator without a permit. This request is for NCD108706029.

In order to allow sufficient time for Caldwell Systems, Inc. to pick up and dispose of your hazardous waste, a 30-day extension is hereby granted from January 27, 1987 until February 27, 1987.

This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By March 10, you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerry Rhodes

Jerry Rhodes, Assistant Branch Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

JR:MB:bw

CC: Adam Wipfield

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

January 29, 1987

Mr. Bill Baker, Supervisor
Safety and Security
Duke Power
N. C. Hwy 73
Huntersville, North Carolina

RE: Extension of Accumulation Time

Dear Mr. Baker:

On January 23, 1987 this Agency received your request for an extension of the 90 day limit for storage of hazardous waste by a generator without a permit. This request is for NCD108706029.

In order to allow sufficient time for Caldwell Systems, Inc. to pick up and dispose of your hazardous waste, a 30-day extension is hereby granted from January 27, 1987 until February 27, 1987.

This is the maximum time allowed under 40 CFR 262.34(b) as adopted in 10 NCAC 10F .0030.

By March 10, you shall notify this office of the shipment of this waste by sending us a copy of the manifest signed by yourself and the transporter.

Sincerely,

Jerry Rhodes

Jerry Rhodes, Assistant Branch Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

JR:MB:bw

CC: Adam Wipfield

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

May 21, 1986

Certified Mail
Return Receipt Requested

Notice of Violation
Docket No. 00160

Mr. Robert S. Dugan, Jr.
Duke Power Company
422 S. Church Street
Charlotte, North Carolina 28242

NCD108706029

RE: Additional Reporting Requirements
For Extension of Accumulation Time

Dear Mr. Dugan:

On December 18, 1980 the State of North Carolina, Solid and Hazardous Waste Management Branch (State) was authorized to operate the State RCRA hazardous waste program under the Solid Waste Management Act, (Act) N.C.G.S. 130-A, Article 9 and rules promulgated thereto at 10 NCAC 10F, (rules) in lieu of the federal RCRA program. Duke Power Company, EPA ID No. NCD108706029 is classified as a generator of hazardous waste and is subject to requirements of 40 CFR 262 codified at 10 NCAC 10F, .0030.

40 CFR 262.43 codified at 10 NCAC 10F, .0030 requires generators to furnish additional reports as deemed necessary concerning the quantities and disposition of wastes identified or listed in 40 CFR Part 261.

A letter dated October 4, 1985 from this office notified you of the granting of an extension to the 90 day limit for accumulation of hazardous waste. That same letter requested a copy of the manifest for the shipment of that waste, signed by you and the transporter. To date this office has not received a copy of that manifest. Therefore Duke Power Company is in violation of 40 CFR 262.43 codified at 10 NCAC 10F .0030.

COMPLIANCE SCHEDULE

Comply with 40 CFR 262.43 codified at 10 NCAC 10F .0030. Additional reporting, by submitting to this office by June 12, 1986 a copy of the manifest for the off-site shipment of hazardous waste accumulated under the extension granted on October 4, 1985. This copy of the manifest shall be signed by the generator and the transporter.

If the above requirement is not met, pursuant to N.C.G.S. 130A-22(a) and 10 NCAC 10G .0701-.0707 an administrative penalty of up to $10,000.00 per day may be assessed for violation of the hazardous waste law or regulations.

The above information should be sent to my attention, at the above address.

Respectfully,

Jerry Rhodes

Mr. Jerry Rhodes, Assistant Branch Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

JR:bw
4657A

cc: Larry Fox

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

RECEIVED
JUL 2 '84
WESTERN REGIONAL OFFICE

Date: June 28, 1984

Mr. J. E. Harwood
Duke Power Company
422 South Church Street
Charlotte, NC 28442

Re: Facility ID No. NCD 021 393 202

Dear Mr. Harwood:

Based on information supplied by you we have processed and accepted at the State level your request for the facility identified with the above ID number to receive the indicated change in classification under RCRA:

Add As	Delete As	
☐	☒	generator
☐	☐	transporter
☐	☐	treater
☐	☐	storer
☐	☐	disposer
☐	☐	small generator

We are advising EPA of the change in your status. Please notify us if there is any further change in your operations which would again affect your status. Your EPA ID NO. is ☒ is not ☐ being cancelled.

Cordially,

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

OWS /KL: tl

cc: Doug McCurry
EPA Region IV
Emil Breckling
Jim Moore
Gaston County Health Department

DHS Form 3048 3/82
Solid & Haz. Waste Mgt. Branch

* THIS IS TO SHOW THAT THE ACTIVITY FORMERLY AT THIS LOCATION HAS BEEN TRANSFERRED TO THE McGUIRE NUCLEAR STATION.

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

Date: 11-25-85

Inspector: [illegible]

Section I. General Information

COMPANY NAME: [illegible] SSD North

[illegible] (City)

EPA ID No.: [illegible] 029

INSPECTION/ACTION DATE: 11-20-85

CONTACT: [illegible] (print)

Section II. RCRA Classification

( ) ✓ Generator; ( ) Transporter; ( ) Interim Status-TSDF; ( ) Final Status-TSDF

Section III. Inspection/Action Classification

( ) Initial Annual (Gen, Trans.); ( ) Initial Semi-annual (TSDF); (✓) Re-inspection

Section IV. Action Codes

( ) Compliance Inspection; ( ) Sampling Inspection; (✓) Compliance Order Inspection; ( ) Non-notifier Inspection; ( ) Overview Inspection; ( ) Complaint Inspection; ( ) Record Review; ( ) Comprehensive Groundwater Evaluation; ( ) Negotiation Meeting; ( ) Informal Settlement Agreement; ( ) State Order - (Consent, Administrative, etc.); ( ) Hearing, ( ) Penalty Assessed; ( ) Penalty Collected; ( ) Civil Action; ( ) Criminal Action

Section V. Compliance Status

(✓) In Compliance; ( ) In Violation; ( ) All Previous Violation Existing; ( ) Previous Violations Corrected - But New Ones Exist; ( ) Previous Violation Existing Along With Additional Ones.

Section VI. Letter Action

( ) NOV; ( ) CO; (✓) In Compliance; ( ) Penalty; ( ) None

Section VII. Compliance Date

Full Compliance

mo/day/yr

FOR RALEIGH OFFICE USE ONLY:
I. ( ) I
( ) G
( ) F
( ) C

II. Compliance Order Date

mo/day/yr

DHS 3218 Rev. 10/84
Solid & Hazardous Waste

An Equal Opportunity / Affirmative Action Employer

INSTRUCTIONS

Purpose

Form DHS 3218 is designed to serve as a summary of a field action. DHS 3218 is completed by a representative of the Solid and Hazardous Waste Management Branch and submitted to the Raleigh office for entry into the computer data base.

Copy Retention

A copy of DHS 3218 is retained by the inspector and becomes part of a companies permanent record.

Re-order

DHS 3218 can be ordered upon request to:

Solid and Hazardous Waste Management Branch
P.O. Box 2091
Raleigh, N.C 27602

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

November 5, 1985

Compliance Order

Certified Mail
Return Receipt Requested

Mr. Bill Baker
Duke Power Company, SSD-North
N.C. Highway 73
Huntersville, NC 28078

Re: NCD 108706029

Dear Mr. Baker:

The Solid and Hazardous Waste Management Branch, Division of Health Services ("the State") has been delegated authority to administer the hazardous waste program in North Carolina under the Solid Waste Management Act (the act) and rules in lieu of the Federal program.

On September 26, 1985, your plant was inspected by Mr. Mack Henderson, a representative of the State. He found that Duke Power ("the company") was not in compliance with some of the rules governing management of hazardous waste, as follows:

1. 40 CFR 262.34, codified at 10 NCAC 10F .0030, and 40 CFR 265.171, codified at 10 NCAC 10F .0033, relating to management of containers. A number of the company's hazardous waste containers were found to be severely rusted and/or defective structurally.

Because of this violation of the rules, the State issues the following compliance order:

ORDER:

1. By November 20, 1985, the company shall comply in all respects with the requirements for management of containers, and specifically, it shall ensure that all hazardous waste is placed in drums which are in sound condition in every way. As concerns the drums which were observed by Mr. Henderson, the company shall either place them in sound overpacks or pump and drain the contents into sound drums of the same size.

Mr. Henderson will re-inspect the company's hazardous waste accumulation on or about November 20 to verify compliance with this Order.

You may appeal this administrative order within 30 days after you receive this notification by requesting an administrative hearing concerning this matter. The request must be submitted in writing to Mr. William L. Meyer at the Solid and Hazardous Waste Management Branch, and it must state the legal and factual issues in dispute, including any reasons why you feel this Order is unreasonable. When a hearing is requested, it shall be in accordance with the rules contained in 10 NCAC 1B .0200, a copy of which is enclosed.

Please be advised that pursuant to NCGS 130A-22(a), each day that a violation continues constitutes a separate violation, for which a penalty of up to $10,000 per day may be assessed.

Please call this office if you have any questions or wish to arrange an informal meeting. For such purposes, call Mr. Jim Edwards, Compliance Officer, at (919) 733-2178.

Respectfully,

William L. Meyer

William L. Meyer, Head
Solid & Hazardous Waste Mgt. Branch

WLM/pcs 3814A

cc: Anne Allen
Jim Edwards
Julian Foscue
Mack Henderson ✓
Keith Lawson
William Paige

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director
919/733-3446

August 19, 1985

Ms. Jackie Danes
GSX Services, Inc.
P.O. Box 210
Reidsville, N. C. 27320

Attention: Mr. Jackie Smith

Dear Ms. Danes:

Re: Emergency Permit #NCTMP0001168

Attached is a copy of the emergency permit issued to GSX Services, Inc., and Duke Power Company. Please note the specific conditions of the permit as they must be addressed. The public notice must be run in the local newspaper within 10 days of the receipt of this written permit. Also, you must report the information specified in condition eleven of the permit within 14 days after termination of this permit.

If you have questions, please contact me at (919) 733-2178.

Sincerely,

Jimmy Carter

Jimmy Carter, Environmental Chemist
Solid and Hazardous Waste Management Branch
Environmental Health Section

JC:ct/3335A

Attachment

cc: Mack Henderson
John Gibson
Bill Reid

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director
919/733-3446

August 16, 1985

Mr. James H. Scarbrough
U. S. EPA Region IV
345 Courtland St.
Atlanta, GA 30365

Attention: John Dickinson

Dear Mr. Scarbrough:

Our office has issued an emergency permit to GSX Services, Inc., and Duke Power Company to treat 250 grams of diethyl ether by detonation. Treatment is scheduled to take place at Duke Power Company's Security Training Facility on August 18, 1985.

I have enclosed a copy of the permit for your records. Contact Jimmy Carter at (919) 733-2178 if you have any questions or comments.

Sincerely,

Thomas C. Karnoski

Thomas C. Karnoski, Supervisor
Hazardous Waste Permitting Unit
Solid and Hazardous Waste Management Branch
Environmental Health Section

JC:ct3335A
Enclosure
cc: Mack Henderson
John Gibson
Bill Reid

Permit No. NCTMP0001168
Date Issued: August 16, 1985

STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

P. O. Box 2091 Raleigh 27602

EMERGENCY HAZARDOUS WASTE PERMIT

OPERATOR		OWNER
GSX Services, Inc.	AND	Duke Power Company
P.O. Box 210		P.O. Box 33189
Reidsville, N. C. 27320		Charlotte, NC 28242

are hereby issued a permit pursuant to 40 CFR 270.61 as adopted in 10 NCAC 10F .0034(f)2 to thermally treat approximately 250 grams of heat and shock-sensitive diethyl ether at Duke Power Company property (the Security Training Facility) located on N. C. Highway 73 in Mecklenburg County

subject to the conditions set forth in this permit and in N. C. General Statutes 130-166.18(c) and all applicable rules promulgated thereunder.

William L. Meyer

William L. Meyer, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section
Document No. 0582A

DHS 2871 (Revised 6/84)
Solid & Hazardous Waste Management Branch

Conditions of Permit:

The issuance of this permit will result in environmental benefits and the listed conditions are designed to protect public health and the environment. Issuance under 40 CFR 270.61 as adopted in 10 NCAC 10F .0034(f)2, is warranted because there is an imminent and substantial endangerment to human health and the environment.

1. Duration of Permit [40 CFR 270.50 and 270.61 as adopted in 10 NCAC 10F .0034]
   -This permit is issued for a period of one day(s), August 18, 1985.
   -This permit may be terminated by the issuing authority at any time if he or she determines that the termination is appropriate and necessary to protect human health and the environment.

2. Duty to Comply [40 CFR 270.30 as adopted in 10 NCAC 10F .0034(f)2]
   -The permittee shall comply with all conditions of this permit. All words used in this permit shall have the meaning and definitions set forth in 40 CFR Parts 260.10 and 270.2 as adopted in 10 NCAC 10F .0002 and .0034. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any condition of this permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action including permit termination, revocation, and reissuance, or modification or for denial of a permit renewal application. In addition, criminal or civil actions may be brought in appropriate instances.

3. Duty to Mitigate [40 CFR 270.30 as adopted in 10 NCAC 10F .0034]
   -The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from non-compliance with this permit.

4. Personnel Training [40 CFR 264.16 as adopted in 10 NCAC 10F .0032(c)]
   -Contact with the wastes shall be limited to personnel adequately trained in the handling of hazardous wastes.

5. Emergency Coordinator [40 CFR 264.55 as adopted in 10 NCAC 10F .0032(e)]
   -The permittee will ensure that at all times there will be at least one employee on the premises with responsibility for coordinating all emergency response measures. The emergency coordinator must in addition to carrying out the responsibilities specified in 40 CFR 264.56 as adopted in 10 NCAC 10F .0032(e), be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, and the location layout. This person must have the authority to commit the resources needed to carry out contingency actions.

Conditions of Permit (continued)

6. Proper Operation and Maintenance [40 CFR 264.31 as adopted in 10 NCAC 10F .0032(d)]
   -The permittee must maintain and operate the facility to minimize the possibility of unplanned fire, explosion, or sudden or non-sudden release of hazardous waste or hazardous waste constituent to air, soil, and surface water which could threaten human health or the environment.

7. Security [40 CFR 264.14 as adopted in 10 NCAC 10F .0032(c)]
   -The permittee must prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portions of the facility by providinga 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility or the permittee must have an artificial or natural barrier which completely surrounds the active portion of the facility and a means of control entry, at all times, through the gates or other entrances to the active portion of the facility.

8. Access to Communications or Alarm System [40 CFR 264.34 as adopted in 10 NCAC 10F .0032(d)]
   -Whenever hazardous waste is being poured, mixed, spread, or otherwise handled, the permittee must ensure that all personnel involved in the operation will have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee.

9. Specific Treatment: Specific treatment shall consist of detonation of approximately 250 grams of diethyl ether.

10. Arrangements with Local Authorities [40 CFR 264.37 as adopted in 10 NCAC 10F .0032(d)]
    -The permittee shall notify local police and fire departments of the details of the detonation activity.

11. Reporting
    -The permittee shall submit to the North Carolina Department of Human Resources, Solid & Hazardous Waste Management Branch within 14 days after the termination of this permit, the following information in writing:
    (a) EPA I.D. number
    (b) Actual dates of treatment
    (c) Description and quantity of waste
    (d) Name of emergency coordinator
    (e) A certification that the public notice condition (item 14) was complied with.
    (f) A certification that the emergency has been alleviated and no residue remains at the treatment facility.
    (g) A copy of the manifest for wastes disposed of or treated off-site.

12. Property Rights
-The issuance of this permit does not convey any property rights of any sort or any exclusive privilege.

13. Duty to Reapply
-This permittee shall apply for and obtain a new permit if the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit.

14. Public Notice [40 CFR 270.61 and 124.11 as adopted in 10 NCAC 10F .0034(f)2 and .0035(8)]
-The enclosed public notice shall be run within 10 days of the receipt of this written permit in the following newspaper:

Charlotte News
P.O. Box 30308
Charlotte, N. C. 28230

Charlotte Observer
P.O. Box 32188
Charlotte, N. C. 28232

PUBLIC NOTICE
STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH
P. O. BOX 2091
RALEIGH, N.C. 27602
TELEPHONE: (919) 733-2178

NOTICE OF ISSUANCE OF EMERGENCY PERMIT UNDER THE NORTH CAROLINA HAZARDOUS WASTE MANAGEMENT RULES.

The North Carolina Department of Human Resources has issued an emergency permit to GSX Services, Inc., (operator) and Duke Power Company (owner) to thermally treat approximately 250 grams of diethyl ether on August 18, 1985.

An emergency permit under 40 CFR 270.61 as adopted in 10 NCAC 10F .0034(f)2 was warranted because there was an imminent and substantial endangerment to human health and the environment. The permit was drafted in accordance with the N.C. Hazardous Waste Management Rules.

Persons wishing to comment upon the permit issuance or the the permit conditions, are invited to submit same in writing to the permitting office, ATTENTION: William L. Meyer. All comments will be considered in the formulation of future emergency permits.

N. C. Department of Human Resources
Div. of Health Services
P. O. Box 2091 * Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Philip J. Kirk,Jr.,Secretary

Ronald H. Levine, M.D.,M.P.H.
State Health Director

September 10, 1985

BILL BAKER
Duke Power Company, SSD-North
P.O. Box 33189
Charlotte NC 28242
EPA NUMBER: NCD108706029

Dear BILL BAKER:

The United States Environmental Protection Agency has granted the State of North Carolina Interim Authorization for Phase II Components A and B to operate the State's Hazardous Waste Management Program in lieu of the Federal Program under the RCRA.

Section 3007(a) authorizes access to facilities which handle hazardous waste. Access is granted to 'duly designated' officers or employees of the EPA (or State, if that State has a hazardous waste program authorized under section 3006 of the Act.)

Pursuant to section 3006 and N.C.G.S. 130-166.18, an inspection was conducted 08/27/85 by Mr. ANDREW HENDERSON Solid and Hazardous Waste Management Branch. The inspection revealed noncompliance in several areas. Attached is a copy of the inspection report which denotes the deficiencies.

A compliance date of 09/26/85 has been established for the correction of these deficiences. If you have any questions pertaining to this subject, please contact me at (919) 733-2178.

Sincerely,

William Paige
BW

William Paige
Environmental Engineer
Solid and Hazardous Waste
Management Branch
Environmental Health Section

copy: ANDREW HENDERSON

GENERATOR INSPECTION FORM - PART 262

Name of Site	EPA I.D.	County
Duke Power Company, SSD-North	NCD108706029	Mecklenburg

Location		Inspection Date	Inspector
Charlotte	NC 28242	08 / 27 / 85	ANDREW HENDERSON

Compliance Date	Facility Contact
09 / 26 / 85	BILL BAKER

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - Subpart D waste (b)
   - Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - EPA generator number (a)
   - EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - proper manifest (a)
   - permitted facility (b)

4. Required Information (262.21)
   - X document number (a)(1)
   - generator identification (a)(2)
   - transporter identification (a)(3)
   - facility identification (a)(4)
   - D.O.T. description (a)(5)
   - total quantity (a)(6)
   - certification (b)

5. Number of Copies (262.22)
   - minimum number

6. Use of the Manifest (262.23)
   - generator handwritten signature (a)(1)
   - transporter signature/date (a)(2)
   - retain copy (a)(3)
   - copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   D.O.T. compliance

8. Labeling (262.31)
   D.O.T. compliance

9. Marking (262.32)
   D.O.T. compliance (a)
   'HAZARDOUS WASTE' label (b)

10. Placarding (262.33)
    D.O.T. compliance

11. Accumulation Time (262.34)
    X Subpart I; J (a)(1)
    accumulation date (a)(2)
    'Hazardous Waste' (a)(3)
    Subpart C; D (a)(4)*
    personnel training (a)(4)

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    manifest retention (a)
    biennial/exception report (b)
    test/waste analysis (c)

13. Biennial Reporting (262.41)
    submitted (a)(1-6)
    submitted (b)

14. Exception Reporting (262.42)
    transporter contact (a)
    exception report (b)(1)(2)

Remarks:

CONTAINER/TANK INSPECTION FORM - PART 265

Name of Site	EPA I.D.	County
Duke Power Company, SSD-North	NCD108706029	Mecklenburg

Location	Inspection Date	Inspector
Charlotte NC 28242	08 / 27 / 85	ANDREW HENDERSON

Compliance Date	Facility Contact
09 / 26 / 85	BILL BAKER

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition Of Containers (265.171)
   - X leakage
   - past leakage (evidence)
   - severe rusting
   - X structural defect

2. Compatibility Of Waste With Containers (265.172)
   - visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (265.173)
   - closed (a)
   - improper handling or storage (b)

4. Inspection (265.174)
   - weekly (minimum)

5. Special Requirements For Ignitable or Reactive Waste (265.176)
   - 15m (50 ft)

6. Special Requirements For Incompatible Waste (265.177)
   - mixing (a)
   - unwashed container (b)
   - separation (c)

SUBPART J - Tanks

1. General Operating Requirements (265.192)
   - compatibility (a)(b)
   - uncovered tank precautions (c)

overflow prevention (d)

2. Waste Analysis And Trial Tests (265.193)*
   *Section NOT APPLICABLE TO A GENERATOR ONLY
   waste analysis/trial test

3. Inspections (265.194)
   discharge control equipment (a)(1)
   monitoring equipment (a)(2)
   waste level (a)(3)
   construction material (a)(4)
   surrounding area (a)(5)
   assessment schedule/procedures (b)

4. Closure (265.197)
   plan on-site

5. Special Requirements For Ignitable Or Reactive Waste (265.198)
   properly stored (a)(1)(2)(3)
   buffer requirements (b)

6. Special Requirements For Incompatible Wastes (265.199)
   properly stored (a)
   tank washed (b)

Remarks:

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

Date: [illegible]

Inspector: [illegible]

Section I. General Information

COMPANY NAME: [illegible]

[illegible] (City)

EPA ID No.: [illegible]

INSPECTION/ACTION DATE: [illegible]

CONTACT: [illegible] (print)

Section II. RCRA Classification

(✓) Generator; ( ) Transporter; ( ) Interim Status-TSDF; ( ) Final Status-TSDF

Section III. Inspection/Action Classification

(✓) Initial Annual (Gen, Trans.); ( ) Initial Semi-annual (TSDF); ( ) Re-inspection

Section IV. Action Codes

(✓) Compliance Inspection; ( ) Sampling Inspection; ( ) Compliance Order Inspection; ( ) Non-notifier Inspection; ( ) Overview Inspection; ( ) Complaint Inspection; ( ) Record Review; ( ) Comprehensive Groundwater Evaluation; ( ) Negotiation Meeting; ( ) Informal Settlement Agreement; ( ) State Order - (Consent, Administrative, etc.); ( ) Hearing, ( ) Penalty Assessed; ( ) Penalty Collected; ( ) Civil Action; ( ) Criminal Action

Section V. Compliance Status

( ) In Compliance; (✓) In Violation; ( ) All Previous Violation Existing; ( ) Previous Violations Corrected - But New Ones Exist; ( ) Previous Violation Existing Along With Additional Ones.

Section VI. Letter Action

(✓) NOV; ( ) CO; ( ) In Compliance; ( ) Penalty; ( ) None

Section VII. Compliance Date

[illegible]
mo/day/yr

FOR RALEIGH OFFICE USE ONLY:
I. ( ) I
( ) G
( ) F
( ) C

II. Compliance Order Date

mo/day/yr

DHS 3218 Rev. 10/84
Solid & Hazardous Waste

An Equal Opportunity / Affirmative Action Employer

INSTRUCTIONS

Purpose

Form DHS 3218 is designed to serve as a summary of a field action. DHS 3218 is completed by a representative of the Solid and Hazardous Waste Management Branch and submitted to the Raleigh office for entry into the computer data base.

Copy Retention

A copy of DHS 3218 is retained by the inspector and becomes part of a companies permanent record.

Re-order

DHS 3218 can be ordered upon request to:

Solid and Hazardous Waste Management Branch
P.O. Box 2091
Raleigh, N.C 27602

GENERATOR INSPECTION FORM - PART 262

Duke Power Co, SSD-North	NCD 108 706 029	Mecklenburg
Name of Site	EPA I.D.	County
Hwy 73 Huntersville	8-27-85	Mark Henderson
Location	Inspection Date	Signature of Inspector(s)
Sept 26 '85		[illegible]
Compliance Date		Signature of Facility Contact

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - ___ Subpart D waste (b)
   - ___ Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - ___ EPA generator number (a)
   - ___ EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - ___ proper manifest (a)
   - ___ permitted facility (b)

4. Required Information (262.21)
   - X document number (a)(1)
   - ___ generator identification (a)(2)
   - ___ transporter identification (a)(3)
   - ___ facility identification (a)(4)
   - ___ D.O.T. description (a)(5)
   - ___ total quantity (a)(6)
   - ___ certification (b)

5. Number of Copies (262.22)
   - ___ minimum number

6. Use of the Manifest (262.23)
   - ___ generator handwritten signature (a)(1)
   - ___ transporter signature/date (a)(2)
   - ___ retain copy (a)(3)
   - ___ copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   - ___ D.O.T. compliance

8. Labeling (262.31)
   - ___ D.O.T. compliance

9. Marking (262.32)
   - ___ D.O.T. compliance (a)
   - ___ "HAZARDOUS WASTE" label (b)

10. Placarding (262.33)
    - ___ D.O.T. compliance

11. Accumulation Time (262.34)
    - X Subpart I; J (a)(1)
    - ___ accumulation date (a)(2)
    - ___ "Hazardous Waste" (a)(3)
    - ___ Subpart C; D (a)(4)*
    - ___ personnel training (a)(4)*

    *Cite specific violations of 40 CFR 265 under remarks

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    - ___ manifest retention (a)
    - ___ annual/exception report (b)
    - ___ test/waste analysis (c)

13. Annual Reporting (262.41)
    ___ submitted (a)(1-6)
    ___ submitted (b)

14. Exception Reporting (262.42)
    ___ transporter contact (a)
    ___ exception report (b)(1)(2)

REMARKS: 262.21 (a)(1) improper # (not sequential)

CONTAINER/TANK INSPECTION FORM - PART 265

Duke Power Co SSD-North | NCD 108 706 029 | 8-27-85

Name of Site | EPA I.D. | Inspection Date

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition Of Containers (265.171)
   - X leakage
   - ___ past leakage (evidence)
   - ___ severe rusting
   - X structural defect

2. Compatibility Of Waste With Containers (265.172)
   - ___ visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (265.173)
   - ___ closed (a)
   - ___ improper handling or storage (b)

4. Inspections (265.174)
   - ___ weekly (minimum)

5. Special Requirements For Ignitable or Reactive Waste (265.176)
   - ___ 15m (50 ft)

6. Special Requirements For Incompatible Waste (265.177)
   - ___ mixing (a)
   - ___ unwashed container (b)
   - ___ separation (c)

SUBPART J - TANKS

1. General Operating Requirements (265.192)
   - ___ compatibility (a)(b)
   - ___ uncovered tank precautions (c)
   - ___ overflow prevention (d)

2. Waste Analysis and Trial Tests (265.193)*
   *Section not applicable to a generator only
   - ___ waste analysis/trial test

3. Inspections (265.194)
   - ___ discharge control equipment (a)(1)
   - ___ monitoring equipment (a)(2)
   - ___ waste level (a)(3)
   - ___ construction material (a)(4)
   - ___ surrounding area (a)(5)
   - ___ assessment schedule/procedures (b)

4. Closure (265.197)
   - ___ plan on-site

5. Special Requirements For Ignitable Or Reactive Waste (265.198)
   - ___ properly stored (a)(1)(2)(3)
   - ___ buffer requirements (b)

6. Special Requirements For Incompatible Wastes (265.199)
   - ___ properly stored (a)
   - ___ tank washed (b)

REMARKS: _____

DHS Form 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

Date: _____

Inspector: _____

Section I. General Information

COMPANY NAME: _____

_____ (City)

EPA ID No.: _____

INSPECTION/ACTION DATE: _____

CONTACT: _____ (print)

Section II. RCRA Classification

(✓) Generator; ( ) Transporter; ( ) Interim Status-TSDF; ( ) Final Status-TSDF

Section III. Inspection/Action Classification

( ) Initial Annual (Gen, Trans.); ( ) Initial Semi-annual (TSDF); (✓) Re-inspection

Section IV. Action Codes

(✓) Compliance Inspection; ( ) Sampling Inspection; ( ) Compliance Order Inspection; ( ) Non-notifier Inspection; ( ) Overview Inspection; ( ) Complaint Inspection; ( ) Record Review; ( ) Comprehensive Groundwater Evaluation; ( ) Negotiation Meeting; ( ) Informal Settlement Agreement; ( ) State Order - (Consent, Administrative, etc.); ( ) Hearing, ( ) Penalty Assessed; ( ) Penalty Collected; ( ) Civil Action; ( ) Criminal Action

Section V. Compliance Status

( ) In Compliance; (✓) In Violation; ( ) All Previous Violation Existing; ( ) Previous Violations Corrected - But New Ones Exist; ( ) Previous Violation Existing Along With Additional Ones.

Section VI. Letter Action

( ) NOV; (✓) CO; ( ) In Compliance; ( ) Penalty; ( ) None

Section VII. Compliance Date

Set by Raleigh Office
mo/day/yr

FOR RALEIGH OFFICE USE ONLY:
I. ( ) I
( ) G
( ) F
( ) C

II. Compliance Order Date _____ mo/day/yr

DHS 3218 Rev. 10/84
Solid & Hazardous Waste

An Equal Opportunity / Affirmative Action Employer

INSTRUCTIONS

Purpose

Form DHS 3218 is designed to serve as a summary of a field action. DHS 3218 is completed by a representative of the Solid and Hazardous Waste Management Branch and submitted to the Raleigh office for entry into the computer data base.

Copy Retention

A copy of DHS 3218 is retained by the inspector and becomes part of a companies permanent record.

Re-order

DHS 3218 can be ordered upon request to:

Solid and Hazardous Waste Management Branch
P.O. Box 2091
Raleigh, N.C 27602

GENERATOR INSPECTION FORM - PART 262

Duke Power Co SSD-North	NCD 108 706 029	Mecklenburg
Name of Site	EPA I.D.	County
Hwy 73 Huntersville	9-26-85	Mark Henderson
Location	Inspection Date	Signature of Inspector(s)
Set by Robich Office		
Compliance Date		Signature of Facility Contact

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - ___ Subpart D waste (b)
   - ___ Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - ___ EPA generator number (a)
   - ___ EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - ___ proper manifest (a)
   - ___ permitted facility (b)

4. Required Information (262.21)
   - ___ document number (a)(1)
   - ___ generator identification (a)(2)
   - ___ transporter identification (a)(3)
   - ___ facility identification (a)(4)
   - ___ D.O.T. description (a)(5)
   - ___ total quantity (a)(6)
   - ___ certification (b)

5. Number of Copies (262.22)
   - ___ minimum number

6. Use of the Manifest (262.23)
   - ___ generator handwritten signature (a)(1)
   - ___ transporter signature/date (a)(2)
   - ___ retain copy (a)(3)
   - ___ copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   - ___ D.O.T. compliance

8. Labeling (262.31)
   - ___ D.O.T. compliance

9. Marking (262.32)
   - ___ D.O.T. compliance (a)
   - ___ "HAZARDOUS WASTE" label (b)

10. Placarding (262.33)
    - ___ D.O.T. compliance

11. Accumulation Time (262.34)
    - X Subpart I; J (a)(1)
    - ___ accumulation date (a)(2)
    - ___ "Hazardous Waste" (a)(3)
    - ___ Subpart C; D (a)(4)*
    - ___ personnel training (a)(4)*

    *Cite specific violations of 40 CFR 265 under remarks

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    - ___ manifest retention (a)
    - ___ annual/exception report (b)
    - ___ test/waste analysis (c)

13. Annual Reporting (262.41)
    ___ submitted (a)(1-6)
    ___ submitted (b)

14. Exception Reporting (262.42)
    ___ transporter contact (a)
    ___ exception report (b)(1)(2)

REMARKS: _____

CONTAINER/TANK INSPECTION FORM - PART 265

Duke Power Co, SSD-North | NCD 108 706 029 | 9-26-85

Name of Site | EPA I.D. | Inspection Date

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition Of Containers (265.171)
   - ___ leakage
   - ___ past leakage (evidence)
   - X severe rusting
   - X structural defect

2. Compatibility Of Waste With Containers (265.172)
   - ___ visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (265.173)
   - ___ closed (a)
   - ___ improper handling or storage (b)

4. Inspections (265.174)
   - ___ weekly (minimum)

5. Special Requirements For Ignitable or Reactive Waste (265.176)
   - ___ 15m (50 ft)

6. Special Requirements For Incompatible Waste (265.177)
   - ___ mixing (a)
   - ___ unwashed container (b)
   - ___ separation (c)

SUBPART J - TANKS

1. General Operating Requirements (265.192)
   - ___ compatibility (a)(b)
   - ___ uncovered tank precautions (c)
   - ___ overflow prevention (d)

2. Waste Analysis and Trial Tests (265.193)*
   *Section not applicable to a generator only
   - ___ waste analysis/trial test

3. Inspections (265.194)
   - ___ discharge control equipment (a)(1)
   - ___ monitoring equipment (a)(2)
   - ___ waste level (a)(3)
   - ___ construction material (a)(4)
   - ___ surrounding area (a)(5)
   - ___ assessment schedule/procedures (b)

4. Closure (265.197)
   - ___ plan on-site

5. Special Requirements For Ignitable Or Reactive Waste (265.198)
   - ___ properly stored (a)(1)(2)(3)
   - ___ buffer requirements (b)

6. Special Requirements For Incompatible Wastes (265.199)
   - ___ properly stored (a)
   - ___ tank washed (b)

REMARKS: _____

DHS Form 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

October 24, 1984

W. E. BAKER
Duke Power Company, SSD-North
P.O. Box 33189
Charlotte, NC 28242
EPA NUMBER: NCD108706029

Dear Mr. Baker:

The United States Environmental Protection Agency has granted the State of North Carolina Interim Authorization for Phase II Components A and B to operate the State's Hazardous Waste Management Program in lieu of the Federal Program under the RCRA.

Section 3007(a) authorizes access to facilities which handle hazardous waste. Access is granted to 'duly designated' officers or employees of the EPA (or State, if that State has a hazardous waste program authorized under section 3006 of the Act.)

Pursuant to section 3006 and N.C.G.S. 130-166.18, an inspection was conducted 10/11/84 by Mr. ANDREW HENDERSON, Solid and Hazardous Waste Management Branch. No violations were observed. The inspection did not include a review of the Financial or Ground Water monitoring requirements, if applicable. This office wishes to thank you for your cooperation. Please do not hesitate to contact us if we may be of future assistance.

Sincerely,

O. W. Strickland, Head
Solid and Hazardous Waste
Management Branch
Environmental Health Section

copy: ANDREW HENDERSON

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

October 23, 1984

Mr. Dave Anderson
Design Engineer Department
Duke Power Company
Box 33189
Charlotte, NC 28242

Re: Hazardous Waste Management Plan for Duke Power Operations in North Carolina

Dear Mr. Anderson:

This office has reviewed the "Corporate Hazardous Waste Management Plan for Duke Power Operations in North Carolina" which you recently submitted. We want to commend Duke Power Company for their initiative in addressing comprehensively the handling and management of its hazardous waste.

As we understand it, two sources of potentially hazardous waste is addressed in your Plan: (1) that generated by the maintenance crews in the ordinary course of business; and (2) that generated by each of the Duke Power facilities designated in Table 1 of the Plan.

As we understand it, Duke Power wants to use the one generator identification number (NCD021393202) for the construction departments's Station Support Division (SSD) and bring all wastes to that facility.

First, the State has no problems with this proposal regarding handling of the wastes generated by the maintenance crews. We believe bringing those wastes back to the SSD point is both practical and within the intent of the rules. Moreover, since the materials are not determined to be wastes until the crews return to SSD, the generation point is clearly SSD.

Second, the same rationale does not fit the waste generated at the other facilities. These facilities are either small quantity generators or generators. Consequently, they must meet applicable requirements and ship the waste to an authorized facility for that type of generator. If they are regular generators, they must also obtain a separate identification number. Since you did not provide us with information regarding the amounts and types of wastes involved, at this point, we cannot determine which category those facilities fit. If you provide us with more information regarding the types, amounts and frequency of waste generation at these facilities, we will be able to evaluate better your Plan for these wastes. Without this information, however, we cannot agree with handling of these wastes as proposed in your Plan.

If you have any questions or want to discuss this matter further, please call Jerry Rhodes of my staff at (919) 733-2178.

Sincerely,

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

PAA:ns/0660A
cc: Prentiss Anne Allen
Jerry Rhodes
Julian Foscue
Mack Henderson

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

October 5, 1984

W. E. BAKER
Duke Power Company, SSD-North
P.O. Box 33189
Charlotte, NC 28242
EPA NUMBER: NCD108706029

Dear Mr. Baker:

The United States Environmental Protection Agency has granted the State of North Carolina Interim Authorization for Phase II Components A and B to operate the State's Hazardous Waste Management Program in lieu of the Federal Program under the RCRA.

Section 3007(a) authorizes access to facilities which handle hazardous waste. Access is granted to 'duly designated' officers or employees of the EPA (or State, if that State has a hazardous waste program authorized under section 3006 of the Act.)

Pursuant to section 3006 and N.C.G.S. 130-166.18, an inspection was conducted 08/27/84 by Mr. ANDREW HENDERSON, Solid and Hazardous Waste Management Branch. No violations were revealed noncompliance in several areas. Attached is a copy of the inspection report which denotes the deficiencies.

A compliance date of 10/11/84 has been established for the correction of these deficiences. If you have any questions pertaining to this subject, please contact Mr. William Paige, Environmental Engineer, at (919) 733-2178.

Sincerely,

O. W. Strickland, Head
Solid and Hazardous Waste
Management Branch
Environmental Health Section

copy: ANDREW HENDERSON

GENERATOR INSPECTION FORM - PART 262

Name of Site	EPA I.D.	County
Duke Power Company, SSD-North	NCD108706029	Mecklenburg

Location		Inspection Date	Inspector
Charlotte	NC 28242	08 / 27 / 84	ANDREW HENDERSON

Compliance Date	Facility Contact
10 / 11 / 84	W. E. BAKER

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - _ Subpart D waste (b)
   - _ Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - _ EPA generator number (a)
   - _ EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - _ proper manifest (a)
   - _ permitted facility (b)

4. Required Information (262.21)
   - _ document number (a)(1)
   - _ generator identification (a)(2)
   - _ transporter identification (a)(3)
   - _ facility identification (a)(4)
   - _ D.O.T. description (a)(5)
   - _ total quantity (a)(6)
   - _ certification (b)

5. Number of Copies (262.22)
   - _ minimum number

6. Use of the Manifest (262.23)
   - _ generator handwritten signature (a)(1)
   - _ transporter signature/date (a)(2)
   - _ retain copy (a)(3)
   - _ copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   _ D.O.T. compliance

8. Labeling (262.31)
   _ D.O.T. compliance

9. Marking (262.32)
   _ D.O.T. compliance (a)
   _ 'HAZARDOUS WASTE' label (b)

10. Placarding (262.33)
    _ D.O.T. compliance

11. Accumulation Time (262.34)
    X Subpart I; J (a)(1)
    X accumulation date (a)(2)
    X 'Hazardous Waste' (a)(3)
    X Subpart C; D (a)(4)*
    X personnel training (a)(4)

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    _ manifest retention (a)
    X biennial/exception report (b)
    _ test/waste analysis (c)

13. Biennial Reporting (262.41)
    _ submitted (a)(1-5)
    _ submitted (b)

14. Exception Reporting (262.42)
    _ transporter contact (a)
    _ exception report (b)(1)(2)

Remarks: 265.16A1,_265.16D(1-4),_265.37A4,_265.52A,C,E,_265.53_____

CONTAINER/TANK INSPECTION FORM - PART 265

Name of Site	EPA I.D.	County
Duke Power Company, SSD-North	NCD108706029	Mecklenburg

Location	Inspection Date	Inspector
Charlotte NC 28242	08 / 27 / 84	ANDREW HENDERSON

Compliance Date	Facility Contact
10 / 11 / 84	W. E. BAKER

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition Of Containers (265.171)
   _ leakage
   _ past leakage (evidence)
   _ severe rusting
   _ structural defect

2. Compatibility Of Waste With Containers (265.172)
   _ visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (265.173)
   X closed (a)
   _ improper handling or storage (b)

4. Inspection (265.174)
   X weekly (minimum)

5. Special Requirements For Ignitable or Reactive Waste (265.176)
   _ 15m (50 ft)

6. Special Requirements For Incompatible Waste (265.177)
   _ mixing (a)
   _ unwashed container (b)
   _ separation (c)

SUBPART J - Tanks

1. General Operating Requirements (265.192)
   _ compatibility (a)(b)
   _ uncovered tank precautions (c)

_ overflow prevention (d)

2. Waste Analysis And Trial Tests (265.193)*
   *Section NOT APPLICABLE TO A GENERATOR ONLY
   _ waste analysis/trial test

3. Inspections (265.194)
   _ discharge control equipment (a)(1)
   _ monitoring equipment (a)(2)
   _ waste level (a)(3)
   _ construction material (a)(4)
   _ surrounding area (a)(5)
   _ assessment schedule/procedures (b)

4. Closure (265.197)
   _ plan on-site

5. Special Requirements For Ignitable Or Reactive Waste (265.198)
   _ properly stored (a)(1)(2)(3)
   _ buffer requirements (b)

6. Special Requirements For Incompatible Wastes (265.199)
   _ properly stored (a)
   _ tank washed (b)

Remarks: 265.174_____

_____

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

Date: 10-15-84

MEMORANDUM

TO: O. W. Strickland, Head
Solid & Hazardous Waste Management Branch

FROM: Mark Hendrson

NAME: Duk Power Company SSD-North
Huntersville (City)

EPA ID No.: NCD ~~E~~105 706 079

CONTACT: W. E. Baker
(print)

A RCRA (✓) Generator, ( ) Transporter, ( ) Interim Status, ( ) Final Status, compliance inspection was conducted on 10-11-84 (mo/day/yr). The inspection can be classified as a ( ) annual inspection, (Gen, Trans.), ( ) semi-annual inspection (TSD), (✓) follow-up inspection, ( ) other, specify (see instruction on back).

The above subject company was found (✓) in full compliance ( ) in violation ( ) all previous violations existing ( ) previous violations corrected - but new ones exist( ) previous violations existing along with additional ones. (Note: You should complete a check sheet to signify the additional violations).

A compliance date of _____ (mo/day/yr) was established.

Full Compliance

DHS 3218 3/84
Solid & Hazardous Waste

INSTRUCTIONS

The following types of inspections may be entered when checking (✓) "other": Sampling Inspections, Uncontrolled Site Evaluation, Non-notifier Inspection, Imminent Hazard Inspection, Complaint Inspection, Record Review, Ground Water Inspection, Other (specify).

The type of inspection entered must be accurate so that the computer can track Branch activities.

Full Compliance 10-11-84

GENERATOR INSPECTION FORM - PART 262

SSD-North Duke Power Co	NCD108706029	Mecklenburg
Name of Site	EPA I.D.	County
NC Hwy. 73	8-27-84	Mark Henderson
Location	Inspection Date	Signature of Inspector(s)
Oct 11, 84		Bill Kuba
Compliance Date		Signature of Facility Contact

An inspection of your facility has been made this date and you are notified of the violations, if any, marked below with a cross (X).

SUBPART A - GENERAL

1. Hazardous Waste Determination (262.11)
   - ___ Subpart D waste (b)
   - ___ Subpart C waste (c)(1)(2)

2. EPA Identification Numbers
   - ___ EPA generator number (a)
   - ___ EPA transporter/facility (c)

SUBPART B - THE MANIFEST

3. General Requirements (262.20)
   - ___ proper manifest (a)
   - ___ permitted facility (b)

4. Required Information (262.21)
   - ___ document number (a)(1)
   - ___ generator identification (a)(2)
   - ___ transporter identification (a)(3)
   - ___ facility identification (a)(4)
   - ___ D.O.T. description (a)(5)
   - ___ total quantity (a)(6)
   - ___ certification (b)

5. Number of Copies (262.22)
   - ___ minimum number

6. Use of the Manifest (262.23)
   - ___ generator handwritten signature (a)(1)
   - ___ transporter signature/date (a)(2)
   - ___ retain copy (a)(3)
   - ___ copies to transporter (b)

SUBPART C - PRE-TRANSPORT REQUIREMENTS

7. Packaging (262.30)
   - ___ D.O.T. compliance

8. Labeling (262.31)
   - ___ D.O.T. compliance

9. Marking (262.32)
   - ___ D.O.T. compliance (a)
   - ___ "HAZARDOUS WASTE" label (b)

10. Placarding (262.33)
    - ___ D.O.T. compliance

11. Accumulation Time (262.34)
    - X Subpart I; J (a)(1)
    - X accumulation date (a)(2)
    - X "Hazardous Waste" (a)(3)
    - X Subpart C; D (a)(4)*
    - X personnel training (a)(4)*

    *Cite specific violations of 40 CFR 265 under remarks

SUBPART D - RECORDKEEPING AND REPORTING

12. Recordkeeping (262.40)
    - ___ manifest retention (a)
    - X annual/exception report (b)
    - ___ test/waste analysis (c)

DHS FORM 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

Full Compliance 10-11-84

13. Annual Reporting (262.41)
    ___ submitted (a)(1-6)
    ___ submitted (b)

14. Exception Reporting (262.42)
    ___ transporter contact (a)
    ___ exception report (b)(1)(2)

REMARKS: 265.16(a)(1) no personnel training ✓
265.16(d)(1) job title ✓
265.16(d)(2) job description & requirements ✓
265.16(d)(3) description of training ✓
265.16(d)(4) records of training ✓
265.37(c)(4) arrangements with hospital ✓
265.52(a) description of actions of personnel ✓
265.52(c) arrangements with local Emergency response units ✓
265.52(e) list & location of emergency equipment ✓
265.53 submission of contingency plan ✓

DHS FORM 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

T H Compliance 10-11-84

CONTAINER/TANK INSPECTION FORM - PART 265

Name of Site: Duke Power EPA I.D.: NCD 008 706 029 Inspection Date: 8-27-84

SUBPART I - USE AND MANAGEMENT OF CONTAINERS

1. Condition Of Containers (265.171)
   - ___ leakage
   - ___ past leakage (evidence)
   - ___ severe rusting
   - ___ structural defect

2. Compatibility Of Waste With Containers (265.172)
   - ___ visual evidence of noncompliance (leakage, corrosion)

3. Management of Containers (265.173)
   - ✓ closed (a)
   - ___ improper handling or storage (b)

4. Inspections (265.174)
   - ✓ weekly (minimum)

5. Special Requirements For Ignitable or Reactive Waste (265.176)
   - ___ 15m (50 ft)

6. Special Requirements For Incompatible Waste (265.177)
   - ___ mixing (a)
   - ___ unwashed container (b)
   - ___ separation (c)

SUBPART J - TANKS

1. General Operating Requirements (265.192)
   - ___ compatibility (a)(b)
   - ___ uncovered tank precautions (c)
   - ___ overflow prevention (d)

2. Waste Analysis and Trial Tests (265.193)*
   *Section not applicable to a generator only
   - ___ waste analysis/trial test

3. Inspections (265.194)
   - ___ discharge control equipment (a)(1)
   - ___ monitoring equipment (a)(2)
   - ___ waste level (a)(3)
   - ___ construction material (a)(4)
   - ___ surrounding area (a)(5)
   - ___ assessment schedule/procedures (b)

4. Closure (265.197)
   - ___ plan on-site

5. Special Requirements For Ignitable Or Reactive Waste (265.198)
   - ___ properly stored (a)(1)(2)(3)
   - ___ buffer requirements (b)

6. Special Requirements For Incompatible Wastes (265.199)
   - ___ properly stored (a)
   - ___ tank washed (b)

REMARKS: 265.174 log of inspections

DHS Form 3010 (Rev. 9-83)
SOLID & HAZARDOUS WASTE

NORTH CAROLINA HAZARDOUS WASTE MANIFEST

Doct. No. 1000.145

A IDENTIFICATION INFORMATION

	EPA ID NO.	NAME	ADDRESS	TELEPHONE
GENERATOR	NCD 021373202	DUKE POWER COMPANY CONSTRUCTION DEPT	POBOX 33189 CHARLOTTE NC 28242	704-373-5494
TRANSPORTER 1	NCD 980709412	CHROMAN INDUSTRIAL SERVICES	POBOX 891 [illegible] NC. 28645	704-376-4588
TRANSPORTER 2				
TSDF*	NCD 991277724	MITCHELL SYSTEMS	Altapass Road Spruce Pine, N.C. 28777	704-728-5931

B WASTE INFORMATION

CONTAINERS(S) NO.	CONTAINERS(S) TYPE	DOT DESCRIPTION/CLASS/ID NO.	TOTAL QUANTITY	WEIGHT	EPA WASTE CODE NUMBER	DISCREPANCY INFORMATION
84	DRUMS 17-H	WASTE PAINT FLAMMABLE LIQUID D-001/NOS UN1263	4420 GALLONS EST. MADE	46200 POUNDS EST. MADE	D001	NA 1-17

C EMERGENCY NUMBERS

NATIONAL RESPONSE CENTER: 1-800-424-8802

GENERATOR: (704 373-5494) DISPOSER: (704 728-5931) N. C. HIGHWAY PATROL (919) 733-3861

D SPECIAL HANDLING/EXCEPTION REPORT/DISCREPANCY REPORT (NO. _____)

use D.O.T. Guide #26

(IF NEEDED, USE ADDITIONAL SHEETS.)

E CERTIFICATIONS

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.

R.J. Bagwell — AUTHORIZED REPRESENTATIVE OF GENERATOR	R.J. Bagwell — GENERATOR REPRESENTATIVE'S SIGNATURE	5-4-84 DATE

THIS IS TO CERTIFY ACCEPTANCE OF THE HAZARDOUS WASTE SHIPMENT DESCRIBED ABOVE.

Barry Sparks — AUTHORIZED REPRESENTATIVE OF TRANSPORTER 1	[illegible] — TRANSPORTER REPRESENTATIVE'S SIGNATURE	5-4-84 DATE
AUTHORIZED REPRESENTATIVE OF TRANSPORTER 2	TRANSPORTER REPRESENTATIVE'S SIGNATURE	DATE

THIS IS TO CERTIFY ACCEPTANCE OF THE HAZARDOUS WASTE SHIPMENT DESCRIBED ABOVE FOR

☑ TREATMENT ☐ STORAGE OR ☐ DISPOSAL

David Carpenter — AUTHORIZED REPRESENTATIVE OF TSDF	David Carpenter — TSDF REPRESENTATIVE'S SIGNATURE	5-4-84 DATE

*TSDF - TREATMENT, STORAGE, OR DISPOSAL FACILITY

DHS FORM 2980 (10/80)
SOLID AND HAZARDOUS WASTE

(INSTRUCTIONS ON BACK SHEET)

FOR ADDITIONAL INFORMATION:
CONTACT MANIFEST SYSTEM
SOLID & HAZARDOUS WASTE MANAGEMENT BRANCH
N. C. DEPARTMENT OF HUMAN RESOURCES
P. O. BOX 2091, RALEIGH, NC 27602
(919) 733-2178

South Carolina Department of Health and Environmental Control
Solid and Hazardous Waste Management Division
2600 Bull Street, Columbia, SC 29201
Phone: (803) 758-5681
Emergency & Holidays: (803) 758-5531

HAZARDOUS WASTE MANIFEST

~~JEH DOM~~ JEH

Manifest Document Number
№ 63168

A.	Name	I.D. Code	Address	Phone Number (area code & number)	Date Shipped or Accepted
	(1) Generator Duke Power Company	NCD 021393202	PO Box 407 Mt. Holly, NC 28120	(704)373-5361	84 / 01 / 24 year month day
	(2) Transporter No. 1 Bryson Industrial Services	SCD 000822312	411 Burton Road Lexington, NC 29702	(803)359-7027	84 / 1 / 24 year month day
	Transporter No. 2				/ / year month day
	(3) TSDF SCA Services	SCD 07035985	Rt. 1 Box 255 Pinewood, SC 29125	(803)452-5003	84 / 1 / 25 year month day

B.	(1) Generator Item Count		(2) DOT Proper Shipping Name/Hazard Class/ DOT Identification Number	(3) Total Quantity	(4) Weight (pounds)	(5) Waste Code	(6) TSDF Item Check		(7) Quantity by Weight (pounds)
	Number	Container Type					Number	Container Type	
	67	55 Gal. Drums	Waste Flammable-Solid, NOS UN1325	67	33,500	D001/1111	67	Drums	34,064
	9	85 Gal. Drums	Waste Flammable-Solid, NOS UN1325	9	4500	D001/1111	9	Drums	4,576

RECEIVED
ENVIRONMENTAL / ARCHITECTURAL SECTION
FEB 09 1984
~~CENTRAL RECORDS~~ DIVISION USE
NO ATTACHMENT TO FILE
FILE NO. ENV-0106

C. Emergency Response Information:
In event of an emergency, phone the Generator at:
(704) 373-8494
In event of a spill in South Carolina, call the Department at (803) 758 5531

D. Special Handling Instructions:

E. Comments:
Work Order No. 28177
SCA Code No. 1731-4401

F. This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to all applicable regulations of the U.S. DOT, U.S. EPA, the S.C. PSC and the S.C. DHEC.

Signature: W S Horton Jr — Name and Title: Wm S. Horton, Jr, Materials Superintendent — Date: January 24, 1984

G. I hereby certify that I am an authorized representative of the transporter and that the waste(s) and quantity described in this Manifest have been accepted by us for ultimate delivery to the TSDF identified above.

Transporter No. 1: Signature: R. Willis — Name: Bryson Industrial Services — Date: 1-24-84

Transporter No. 2: Signature: — Name: — Date:

H. I hereby certify that I am an authorized representative of the TSDF identified above and that the waste(s) and quantity in this Manifest have been accepted by me for treatment, storage, and/or disposal.

Signature: Hope Barwick — Name and Title: SCA Services, Technician — Date: 1-25-84

DHEC 1988 (3/80)

Instructions for completing this Form on reverse side.

PERMIT NO. 60-01-E

DATE ISSUED 1/23/83

STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

P. O. Box 2091 Raleigh 27602

TEMPORARY HAZARDOUS WASTE PERMIT

TRIANGLE RESOURCE INDUSTRIES
I.D. #NCD000648451
P.O. BOX 210
REIDSVILLE, N.C. 27320 is hereby issued a permit pursuant to 10 NCAC 10F .0034(b)5 to detonate EXPLOSIVE WASTE CHEMICALS ON DUKE POWER COMPANY PROPERTY located at N.C. HIGHWAY 73 IN MECKLENBURG COUNTY, subject to the conditions set forth in this permit and in N. C. General Statutes 130-166.18(c) and all applicable rules promulgated thereunder.

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

DHS Form 2871 (Rev. 11/80)
Solid & Hazardous Waste Management Branch

PERMIT NO. 60-01-E

DATE ISSUED 1/23/83

Conditions of Permit:

The issuance of this permit will result in environmental benefits and the listed conditions are designed to protect public health and the environment. Issuance under 40 CFR 122.27 is warranted because there is an imminent and substantial endangerment to human health and the environment.

1. Duration of Permit (122.9 and 122.27)
   -This permit is issued for a period of one day, January 23, 1983.
   -This permit may be terminated by the issuing authority at any time if he or she determines that the termination is appropriate and necessary to protect human health and the environment.

2. Duty to Comply (122.7)
   -The permittee shall comply with all conditions of this permit. All words used in this permit shall have the meaning and definitions set forth in 40 CFR Parts 122 and 260. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any condition of this permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action including permit termination, revocation, and reissuance, or modification or for denial of a permit renewal application. In addition, criminal or civil actions may be brought in appropriate instances.

3. Duty to Mitigate (122.7)
   -The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from non-compliance with this permit.

4. Personnel Training (264.16)
   -Contact with the wastes shall be limited to personnel adequately trained in the handling of hazardous wastes.

5. Emergency Coordinator (264.55)
   -The permittee will ensure that at all times there will be at least one employee either on the premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with responsibility for coordinating all emergency response measures. The emergency coordinator must in addition to carrying out the responsibilities specified in 264.56, be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, and the location layout. This person must have the authority to commit the resources needed to carry out the attached contingency plan.

PERMIT NO. 60-01-E

DATE ISSUED 1/23/83

Conditions of Permit (continued)

6. Proper Operation and Maintenance (264.31)
   -The permittee must maintain and operate the facility to minimize the possibility of unplanned fire, explosion, or sudden or non-sudden release of hazardous waste or hazardous waste constituent to air, soil, and surface water which could threaten human health or the environment.

7. Security (264.14)
   -The permittee must prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portions of the facility by utilizing appropriate measures as described in the cited section.

8. Access to Communications or Alarm System (264.34)
   -Whenever hazardous waste is being poured, mixed, spread, or otherwise handled, the permittee must ensure that all personnel involved in the operation will have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee.

9. Specific Treatment
   -Treatment shall consist of the detonation of diethyl ether in assorted containers as follows:

1 one-quart	3 eight-pint
1 five-lb.	1 three-liter
6 one-lb.	4 125 ml.

   Treatment shall take place at the shooting range on Duke Power Company property off N. C. Highway 73.

10. Arrangements with Local Authorities (264.37)
    -The permittee shall notify local police and fire departments of the details of the detonation activity.

11. Reporting (264.75)
    -The permittee shall submit to the North Carolina Department of Human Resources, Solid & Hazardous Waste Management Branch, the following information in writing:
    (a) EPA I.D. number
    (b) Actual dates of treatment
    (c) Description and quantity of waste
    (d) Name of emergency coordinator
    (e) A certification that the public notice condition (item 14) was complied with.
    (f) A certification that the emergency has been alleviated and no residue remains at the treatment facility.

PERMIT NO. 60-01-E

DATE ISSUED 1/23/83

Conditions of Permit: (continued)

12. Property Rights
-The issuance of this permit does not convey any property rights of any sort or any exclusive privilege.

13. Duty to Reapply
-This permittee shall apply for and obtain a new permit if the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit.

14. Public Notice (122.27 and 124.11)
-The enclosed public notice shall be run within 5 days of the receipt of this written permit in the following newspapers:

Charlotte News

Charlotte Observer

PUBLIC NOTICE

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH
P.O. BOX 2091
RALEIGH, N.C. 27602
TELEPHONE: (919) 733-2178

NOTICE OF ISSUANCE OF TEMPORARY PERMIT UNDER THE NORTH CAROLINA HAZARDOUS WASTE MANAGEMENT RULES.

The North Carolina Department of Human Resources has issued an emergency permit to Triangle Resource Industries. The permit allows the detonation of small quantities of diethyl ether in assorted containers on Duke Power Company property off N. C. Highway 73 in Mecklenburg County.

A temporary permit under NCAC 10F 122.27 was warranted because there was an imminent and substantial endangerment to human health and the environment. The permit was drafted in accordance with the N. C. Hazardous Waste Management Rules.

Persons wishing to comment upon the permit issuance or to the permit conditions, are invited to submit same in writing to the permitting office, ATTENTION: Tom Karnoski. All comments will be considered in the formulation of future emergency permits.

DUKE POWER COMPANY
STEAM PRODUCTION DEPT.
GENERAL OFFICES
422 SOUTH CHURCH STREET
CHARLOTTE, N. C. 28242

P. O. BOX 33189

TELEPHONE: AREA 704
373-4011

December 14, 1981

Mr. O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
North Carolina Department of Human Resources
P. O. Box 2091
Raleigh, N. C. 27602

Subject: Disposal of Solidified Steam Generator Cleaning Solvent
File: GS-705.01, 208.22

Dear Mr. Strickland:

Duke Power has authorized Luwa Corporation to conduct a pilot test on solidifying the solvent mixture to be used in the chemical cleaning of steam generators. The solidification involves a proprietary process of mixing with asphalt.

The pilot test has produced one 55-gallon drum of solid waste. The most conservative estimate of the composition of the waste is:

89.9% Asphalt
9.0% Ethylenediamine tetraacetic acid
0.9% Hydrazine
0.1% Tetraimidazoline
0.1% Alkylthiopolyaminoamide

An Extraction Procedure test was not performed on this waste because there is no heavy metal content.

We regard this waste as non-hazardous and request permission to dispose of it in a licensed sanitary landfill.

Very truly yours,

James N. Hale
System Environmental Engineer

David Roche

By: D. P. Roche
Associate Biologist

DPR/tw

cc: W. E. Paige
C. R. Doby, Sr.

DUKE POWER COMPANY
STEAM PRODUCTION DEPT.
GENERAL OFFICES
422 SOUTH CHURCH STREET
CHARLOTTE, N. C. 28242

P. O. BOX 33189

TELEPHONE: AREA 704
373-4011

December 2, 1981

Mr. O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
North Carolina Department of Human Resources
P. O. Box 2091
Raleigh, N. C. 27602

Subject: Delisting of Duke Power Steam Electric Generating Stations
File: GS-705.10

Mr. C. R. Doby of the Western Regional Office has informed us that Buck Steam Station in Spencer, N. C. is included in the state list of hazardous waste generators. This is an error. Hazardous waste notification forms and RCRA permit applications were filed for the North Carolina fossil stations listed below, as a precaution, but these documents were later rescinded (attached letter) when EPA Region IV concurred that fossil fuel combustion waste is presently non-hazardous under RCRA regulations.

Please remove the following Duke Power steam stations from any listing of hazardous waste facilities:

Allen Steam Station	NCD 043 678 937
Buck Steam Station	NCD 043 678 929
Cliffside Steam Station	NCD 043 678 986
Dan River Steam Station	NCD 024 668 535
Marshall Steam Station	NCD 043 678 879
Riverbend Steam Station	NCD 024 717 423

J. N. Hale
System Environmental Engineer

David Roche

By: D. P. Roche
Associate Biologist

DPR/tw

Attachment

cc: C. R. Doby, Sr.
T. C. Karnoski

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

APR 6 1981

REF: 4E-CP

David Roche
Duke Power Company
P. O. Box 33189
Charlotte, North Carolina 28242

Dear Mr. Roche:

This letter is to acknowledge receipt of Mr. William O. Parker's letter dated January 29, 1981. As requested in Mr. Parker's letter the notification files have been amended to delete generator and treatment/store/disposal activities for the following Duke Power Company facilities:

Allen Steam Station	NCD 043 678 937
Buck Steam Station	NCD 043 678 929
Cliffside Steam Station	NCD 043 678 986
Dan River Steam Station	NCD 024 668 535
Lee Steam Station	NCD 036 241 297
Marshall Steam Station	NCD 043 678 879
Riverbend Steam Station	NCD 024 717 423

The Part A permit applications filed for these facilities have been withdrawn from the active permit files.

If you have any questions, please contact me at 404/881-2328.

Sincerely,

Rita Ford

Rita Ford
Environmental Engineer

cc: O. W. Strickland, N.C. DHR

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

Rick

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

December 16, 1981

Mr. James N. Hale
Duke Power Company
422 South Church Street
Charlotte, NC 28242

RE: Landfilling Solidified Steam Generator Cleaning Solvent

Dear Mr. Hale:

The Division of Health Services (DHS) received a request on December 15, 1981 by the Duke Power Company and Luwa Corporation.

Based upon the information submitted by Mr. D. P. Roche by letter and phone, the waste appears to be nonhazardous.

DHS has no objection to the sanitary landfill disposal of this waste if in accordance with the conditions below:

(1) The waste is nonliquid and can be confined, compacted, and covered in accordance with the "Solid Waste Management Rules".
(2) The owner/operator of the landfill approves the disposal.
(3) The waste remains nonhazardous as determined by the current RCRA regulations.

This approval is subject to change if new regulations were to prohibit this practice or if changes in composition renders the waste hazardous. Additional analysis may be requested in the future.

If you have any questions concerning this matter, please contact our office at (919) 733-2178.

It is understood that this approval is for test specimens only

Very truly yours,

Keith Lawson

Keith Lawson, Environmental Chemist
Solid & Hazardous Waste Management Branch
Environmental Health Section

KL:lc

cc: Mr. O. W. Strickland
Mr. Julian Foscue
Mr. Rick Doby
Mr. Gordon Layton

#1 DUKE POWER MCGUIRE
(CMD) DISCARDED MATERIALS
BUILDING