



Gary R. Peterson  
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March 20, 2000

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

Subject: Duke Energy Corporation  
Catawba Nuclear Station Units 1 and 2  
Docket Nos. 50-413 and 50-414  
Emergency Plan Implementing Procedures

Please find enclosed for NRC Staff use and review the following  
Emergency Plan Implementing Procedure:

RP/O/B/5000/008, Spill Response (Rev. 016)

This revision is being submitted in accordance with 10CFR 50.54 (q)  
and does not decrease the effectiveness of the Emergency Plan  
Implementing Procedures or the Emergency Plan.

By copy of this letter, two copies of the above documents are  
being provided to the NRC, Region II.

If there are any questions, please call Tom Beadle at 803-831-  
4027.

Very truly yours,

Gary R. Peterson

Attachments

A045

U.S. Nuclear Regulatory Commission  
March 20, 2000  
Page 2

xc (w/attachments):

L. A. Reyes  
U.S. Nuclear Regulatory Commission  
Regional Administrator, Region II  
Atlanta Federal Center  
61 Forsyth St., SW, Suite 23T85  
Atlanta, GA 30303

(w/o attachments):

C. P. Patel  
NRC Senior Project Manager (CNS)  
U.S. Nuclear Regulatory Commission  
Mail Stop O-8 H12  
Washington, DC 20555-0001

D. J. Roberts  
Senior Resident Inspector (CNS)  
U.S. Nuclear Regulatory Commission  
Catawba Nuclear Site

DUKE POWER COMPANY  
CATAWBA NUCLEAR STATION  
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

## VOLUME I

PROCEDURE	TITLE
RP/0/A/5000/001	Classification of Emergency (Rev. 012)
RP/0/A/5000/002	Notification of Unusual Event (Rev. 033)
RP/0/A/5000/003	Alert (Rev. 035)
RP/0/A/5000/004	Site Area Emergency (Rev. 037)
RP/0/A/5000/005	General Emergency (Rev. 037)
RP/0/A/5000/06	Deleted
RP/0/A/5000/006 A	Notifications to States and Counties from the Control Room (Rev. 010)
RP/0/A/5000/006 B	Notifications to States and Counties from the Technical Support Center (Rev. 010)
RP/0/A/5000/006 C	Notifications to States and Counties from the Emergency Operations Facility (Rev. 010)
RP/0/A/5000/007	Natural Disaster and Earthquake (Rev. 017)
RP/0/A/5000/08	Deleted
RP/0/B/5000/008	Spill Response (Rev. 016)
RP/0/A/5000/009	Collision/Explosion (Rev. 005)
RP/0/A/5000/010	Conducting A Site Assembly or Preparing the Site for an Evacuation (Rev. 013)
RP/0/A/5000/11	Deleted
RP/0/B/5000/12	Deleted
RP/0/B/5000/013	NRC Notification Requirements (Rev. 023)
RP/0/B/5000/14	Deleted
RP/0/A/5000/015	Core Damage Assessment (Rev. 004)
RP/0/B/5000/016	Deleted
RP/0/B/5000/17	Deleted

February 29, 2000

DUKE POWER COMPANY  
CATAWBA NUCLEAR STATION  
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

## VOLUME I

PROCEDURE	TITLE
RP/0/A/5000/018	Emergency Worker Dose Extension (1/15/96)
RP/0/B/5000/019	Deleted
RP/0/A/5000/020	Technical Support Center (TSC) Activation Procedure (Rev. 012)
RP/0/A/5000/021	Deleted
RP/0/B/5000/022	Evacuation Coordinator Procedure (Rev. 003)
RP/0/B/5000/023	Deleted
RP/0/A/5000/024	OSC Activation Procedure (Rev. 006)
RP/0/B/5000/025	Recovery and Reentry Procedure (Rev. 002)
RP/0/B/5000/026	Response to Bomb Threat (5/30/96)
RP/0/B/5000/028	Communications and Community Relations EnergyQuest Emergency Response Plan (Rev. 000)

February 29, 2000

DUKE POWER COMPANY  
CATAWBA NUCLEAR STATION  
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

## VOLUME II

PROCEDURE	TITLE
HP/0/B/1000/006	Emergency Equipment Functional Check and Inventory (Rev. 053)
HP/0/B/1009/001	Radiation Protection Recovery Plan (Rev. 007)
HP/0/B/1009/003	Radiation Protection Response Following a Primary to Secondary Leak (Rev. 008)
HP/0/B/1009/004	Environmental Monitoring for Emergency Conditions Within the Ten-Mile Radius of CNS (Rev. 027)
HP/0/B/1009/005	Personnel/Vehicle Monitoring for Emergency Conditions (Rev. 016)
HP/0/B/1009/006	Alternative Method for Determining Dose Rate Within the Reactor Building (Rev. 008)
HP/0/B/1009/007	In-Plant Particulate and Iodine Monitoring Under Accident Conditions (Rev. 018)
HP/0/B/1009/008	Contamination Control During Transportation of Contaminated Injured Individuals (Rev. 014)
HP/0/B/1009/009	Guidelines for Accident and Emergency Response (Rev. 038)
HP/0/B/1009/014	Radiation Protection Actions Following an Uncontrolled Release of Radioactive Material (Rev. 008)
HP/0/B/1009/016	Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release (Rev. 010)
HP/0/B/1009/017	Deleted
HP/1/B/1009/017	Post-Accident Containment Air Sampling System (Rev. 001)
HP/2/B/1009/017	Post-Accident Containment Air Sampling System (Rev. 000)
HP/0/B/1009/018	Deleted
HP/0/B/1009/019	Emergency Radio System Operation, Maintenance and Communication (Rev. 010)
HP/0/B/1009/024	Implementing Procedure for Estimating Food Chain Doses Under Post-Accident Conditions (Rev. 002)

February 29, 2000

DUKE POWER COMPANY  
CATAWBA NUCLEAR STATION  
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

## VOLUME II

PROCEDURE	TITLE
HP/0/B/1009/025	Deleted
HP/0/B/1009/026	On-Shift Offsite Dose Projections (Rev. 002)
SH/0/B/2005/001	Emergency Response Offsite Dose Projections (Rev. 000)
SH/0/B/2005/002	Protocol for the Field Monitoring Coordinator During Emergency Conditions (Rev. 000)
OP/0/A/6200/021	Operating Procedure for Post Accident Liquid Sampling System II+ (Rev. 031)
SR/0/B/2000/001	Standard Procedure for Public Affairs Response to the Emergency Response Facility (Rev. 001)
SR/0/B/2000/002	Standard Procedure for EOF Commodities and Facilities (Rev. 001)
SR/0/B/2000/003	Activation of the Emergency Operations Facility (Rev. 003)

February 29, 2000

# Duke Power Company PROCEDURE PROCESS RECORD

### PREPARATION

(2) Station Catawba Nuclear Station

(3) Procedure Title Spill Response

(4) Prepared By TM Daniel Date 2/21/00

- (5) Requires 10CFR50.59 evaluation?
- Yes (New procedure or reissue with major changes)
  - No (Revision with minor changes)
  - No (To incorporate previously approved changes)

(6) Reviewed By GARY L Mitchell (QR) Date 2/21/00

Cross-Disciplinary Review By J Baumann (QR) NA          Date 2/28/00

Reactivity Mgmt. Review By          (QR) NA GLM Date 2/21/00

(7) Additional Reviews

Reviewed By Jane E. Rice Date 2/23/00

Reviewed By          Date         

(8) Temporary Approval (if necessary)

By          (SRO/QR) Date         

By          (QR) Date         

(9) APPROVED BY Richard L Sweigant Date 2/29/00

### PERFORMANCE (Compare with control copy at least once every 14 calendar days while work is being performed)

(10) Compared with Control Copy          Date         

Compared with Control Copy          Date         

Compared with Control Copy          Date         

(11) Dates(s) Performed         

Work Order Number (W/O #)         

### COMPLETION

(12) Procedure Completion Verification

- Yes  N/A Check lists and/or blanks properly initialed, signed, dated, or filled in NA, as appropriate?
- Yes  N/A Listed enclosures attached?
- Yes  N/A Data sheets attached, completed, dated and signed?
- Yes  N/A Charts, graphs, etc. attached and properly dated, identified and marked?
- Yes  N/A Procedure requirements met?

Verified By          Date         

(13) Procedure Completion Approved          Date         

(14) Remarks (attach additional pages, if necessary)

<b>Duke Power Company</b> <b>Catawba Nuclear Station</b>	Procedure No.
	<b>RP/0/B/5000/008</b>
	Revision No.
<b>Spill Response</b>	016
<b>Multiple Use</b>	Electronic Reference No.
	CN005GO3



## Spill Response

### 1. Symptoms

- 1.1 An unplanned or uncontrolled release of a chemical product, oil, or hazardous waste from a container or system in excess of normal drips and splatters.

The release of water from a plant system to the environment may also be considered a spill, especially for chemically treated water systems such as the fire protection system or drinking water system which both contain chlorine.

A spill to the "environment" means soil, water, or air that is not under the direct control of mankind. For CNS the environment includes all ground/soil/gravel areas that are not protected by a liner such as concrete or asphalt (in good condition - not broken or cracked), the air outside any building or air that is discharged from a vent to the outside, and all exterior waters including the Standby Nuclear Service Water Pond, (SNSWP), wetlands (environmentally sensitive areas), and Lake Wylie.

- NOTE:**
1. On-Site is defined as inside the Owner Controlled Area.
  2. Off-Site is defined as outside the Owner Controlled Area.
  3. Navigable Waters is defined as Lake Wylie and the Standby Nuclear Service Water Pond.

### 2. Immediate Actions

- 2.1 For On-Site Spill Response, go to Enclosure 4.1.
- 2.2 For Off-Site Spill Response, go to Enclosure 4.2.
- 2.3 For Oil Spills to Navigable Waters (Lake Wylie **OR** SNSW Pond), go to Enclosure 4.3.

### 3. Subsequent Actions

- 3.1 On-Site, go to Enclosure 4.1.
- 3.2 Off-Site, go to Enclosure 4.2.
- 3.3 Oil Spills to Navigable Waters (Lake Wylie **OR** SNSW Pond), go to Enclosure 4.3.

### 4. Enclosures

- 4.1 On-Site Spill Response

- 4.2 Off-Site Spill Response
- 4.3 Oil Spills to Navigable Waters (Lake Wylie **OR** SNSW Pond)
- 4.4 HazMat Emergency Response Team Activation and Emergency Telephone/Pager Numbers
- 4.5 Oil Spill Response Team Activation

## 1. Immediate Actions

- 1.1 Initiate a response by the Fire Brigade Leader to investigate and report conditions to Control Room. Any additional Fire Brigade response should be determined based on the conditions reported by the Fire Brigade Leader.
- 1.2 Announce the following over the plant PA system:  
  
“Attention all plant personnel. Attention all plant personnel. This is the Control Room. A chemical spill has been reported to the Control Room. This spill is occurring at (provide plant location). Please stay clear of this area until further notice.”
- 1.3 **IF** any of the below Chemical Spill conditions exist:

**NOTE:** If the product source of the spill/leak has been secured, **AND** the release of the product is no longer occurring, **AND** the spilled product has been contained/confined, the HazMat Emergency Response Team is not needed. Go to Environmental Work Practices 5.1.

(Check any that apply)

- The spill is an unknown product/substance, **OR**
- The spill is a labeled HAZARDOUS WASTE, **OR**
- The spill requires immediate attention because of danger such as fire or explosion, **OR**
- The spill requires donning of Personal Protective Equipment (PPE) other than that normally used while working with the product, or could create an exposure hazard for others in the area, **OR**
- The spill requires additional equipment for containment not normally stored in the area.

Contact the HazMat Emergency Response Team as listed on Enclosure 4.4 for spill response resources.

- 1.4 **IF** the above conditions do not exist or the material involved is asbestos/insulating materials, water from RF, RY or YD systems, go to Environmental Work Practice 5.1.
- 1.5 For oil spills/releases to navigable water (Lake Wylie or SNSW), or any imminent potential of such, refer to Enclosure 4.3 for immediate actions. Oil spills of non-flammable/combustible materials **DO NOT** require any action by the HazMat Emergency Response Team.

## 2. Subsequent Actions

**NOTE:** Lines in left margin are for place-keeping. Subsequent Actions may be performed simultaneously.

- \_\_\_\_\_ 1. Secure the area and deny entry into the area of the spill until the HazMat Emergency Response Team has arrived.
- \_\_\_\_\_ 2. Refer to RP/0/A/5000/001, Enclosure 4.1, Event #4.1.9, Natural Disasters and Other Hazards.
- \_\_\_\_\_ 3. Verify the Central Alarm Station (CAS-5364) or Secondary Alarm Station (SAS-3377) is aware that a Spill Emergency Response/alert has been made and inform the CAS/SAS operator of the spill location for MERT notification purposes.
- \_\_\_\_\_ 4. Contact Environmental Management (EM), ext. 3333 for assistance in reporting to state, local, or federal authorities. After hours, contact the Environmental Duty person by phone or pager. **IF** no answer, page 8-777-3333, which will page all Environmental Management personnel.
- \_\_\_\_\_ 5. **IF** an emergency classification has not been declared, for an actual HAZMAT response inform York County 911 of the event.
- \_\_\_\_\_ 6. Refer to RP/0/B/5000/013, "NRC Notification Requirements," to make NRC notifications.
- \_\_\_\_\_ 7. Notify Communications and Community Relations of the incident (pager # 8-777-7388).
- \_\_\_\_\_ 8. Refer to the site Emergency Plan, Catawba Nuclear Site Hazardous Materials Response Plan, for further information regarding the comprehensive response plan elements if necessary.
- \_\_\_\_\_ 9. Refer to the Environmental Work Practice Manual 5.1, Spill Response, Enclosure 3.2, for actions to take after the spill has been neutralized or stabilized.

## 1. Immediate Actions

\_\_\_\_\_ Upon receiving a call involving the release of a CNS related hazardous substance or material (hazardous wastes or radioactive materials) which were shipped from CNS, request the caller's name and phone number and Radiological Shipping Record Number (RSR Number may not be available).

Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

RSR #: \_\_\_\_\_

\_\_\_\_\_ Keep the caller on hold. Do not hang up.

**NOTE:** CNS Commodities and Facilities personnel shall provide information regarding the Hazardous Material incident directly to the caller.

\_\_\_\_\_ Contact Commodities and Facilities shift personnel at 831-3453 or duty pager 778-4054 and instruct them to call the Control Room immediately.

\_\_\_\_\_ Connect them to the caller when they return the call or page.

## 2. Subsequent Actions

**NOTE:** Lines in left margin are for place-keeping. Subsequent actions may be performed simultaneously.

### Radiological Materials Incidents

\_\_\_\_\_ Notify the RP Shift Technician on duty at 831-5572 or pager #778-2777 and provide the caller's name and phone number.

\_\_\_\_\_ Contact Environmental Management (EM), ext. 3333 for assistance in reporting to state, local, or federal authorities. After hours, contact the Environmental Duty person by phone or pager. **IF** no answer, page 8-777-3333, which pages all Environmental Management personnel.

\_\_\_\_\_ Notify Communications and Community Relations of the incident (pager #8-777-7388).

\_\_\_\_\_ Refer to RP/0/B/5000/013, "NRC Notification Requirements," to make NRC notifications.

\_\_\_\_\_ Notify York County EOC of the incident at 803-329-1110 and provide the caller's name and phone number (if incident occurred in York County, SC).

\_\_\_\_\_ Notify Duke Power Risk Management at (704) 382-8186 (24 hour phonemail service).

**Enclosure 4.2**  
**Off-Site Spill Response**

RP/0/B/5000/008  
Page 2 of 2

\_\_\_\_\_ Notify American Nuclear Insurers (ANI) at (860) 561-3433.

\_\_\_\_\_ In the event that a responsible group is not identified, the Operations Shift Manager (or designee) shall initiate a PIP. Refer to Environmental Work Practice 5.1 for information to include in the PIP.

**Hazardous Waste Incidents**

\_\_\_\_\_ Contact Environmental Management (EM), ext. 3333 for assistance in reporting to state, local, or federal authorities. After hours, contact the Environmental Duty person by phone or pager. **If** no answer, page 8-777-3333, which pages all Environmental Management personnel.

\_\_\_\_\_ Notify Communications and Community Relations at 1-800-777-3852, then pager number 777-7388.

\_\_\_\_\_ Notify York County EOC of the incident at 803-329-1110 and provide the caller's name and phone number (if incident occurred in York County, SC).

\_\_\_\_\_ In the event that a responsible group is not identified, the Operations Shift Manager (or designee) shall initiate a PIP. Refer to Environmental Work Practice 5.1 for information to include in the PIP.

## 1. Immediate Actions

\_\_\_\_\_ Upon receiving notification of a spill of oil (petroleum products, synthetic oils, hydraulic oils, etc.) to Lake Wylie or the Standby Nuclear Service Water Pond which requires clean-up, request the caller's name and phone number:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

\_\_\_\_\_ **IF** necessary to confirm the spill, **THEN** dispatch an Operator.

<b>NOTE:</b> Oil Spill Response Team will call the Control Room upon arrival on site.
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\_\_\_\_\_ Contact the Lower Catawba Hydro Oil Spill Response Team as listed on Enclosure 4.5 to initiate a response.

## 2. Subsequent Actions

\_\_\_\_\_ Contact Environmental Management (EM), ext. 3333 for assistance in reporting to state, local, or federal authorities. After hours, contact the Environmental Duty person by phone or pager. **If** no answer, page 8-777-3333, which will page all Environmental Management personnel.

\_\_\_\_\_ **IF** an emergency classification has not been declared, for an actual Oil Spill Response Team notification inform York County 911 of the event.

\_\_\_\_\_ Refer to RP/0/B/5000/013, "NRC Notification Requirements," to make NRC notifications, if needed.

\_\_\_\_\_ Notify Communications and Community Relations of the incident (pager # 8-777-7388).

\_\_\_\_\_ In the event that a responsible group is not identified, the Operations Shift Manager (or designee) shall initiate a PIP. Refer to Environmental Work Practice 5.1 for information to include in the PIP.

**Enclosure 4.4**  
**HazMat Emergency Response Team Activation**  
**and Emergency Telephone/Pager Numbers**

RP/0/B/5000/008  
Page 1 of 2

**1. HAZMAT Team Notification During an Emergency**

- 1.1 **IF** the HAZMAT Team is being called out for a drill, go to Step 2.
- 1.2 Activate the Off-Site emergency pager system Quikpage Key Pad located in the Control Room.
  - 1.2.1 Type in SPILL and press “ENTER”
  - 1.2.2 Press “M”
  - 1.2.3 Press appropriate message key “F4” for “CNS Hazardous Materials Spill; All Team Members Respond.”
  - 1.2.4 Press “ENTER”
- 1.3 **IF** the Quikpage Key Pad is unavailable, dial 8-777-8091 and enter your phone number (e.g., 803-831-3250), and press #. The HazMat Response Team duty person will return your call and make additional call-outs as necessary to ensure team response.

**2. HAZMAT Team Notification During a Drill**

- 2.1 Activate the Off-Site emergency pager system Quikpage Key Pad located in the Control Room.
  - 2.1.1 Type in SPILL and press “ENTER”
  - 2.1.2 Press “M”
  - 2.1.3 Press appropriate message key “F4” for “CNS Hazardous Materials Spill; All Team Members Respond.”
  - 2.1.4 Type in “This is a Drill”
  - 2.1.5 Press “ENTER”
- 2.2 **IF** the Quikpage Key Pad is unavailable, dial 8-777-8091 and enter your phone number (e.g., 803-831-3250), and press #. The HazMat Response Team duty person will return your call and make additional call-outs as necessary to ensure team response.



**Enclosure 4.4**  
**HazMat Emergency Response Team Activation**  
**and Emergency Telephone/Pager Numbers**

RP/0/B/5000/008

Page 2 of 2

**1. Hazmat Emergency Response Team**

<u>Name</u>	<u>Off-Site Pager</u>
Tim Daniels	8-777-4619
Cleve Brown	8-777-4682
Richard Flowers	8-778-4667
David Hord	8-778-7974
Ronnie Bangle	8-778-7975
John Williams	8-778-7976
Eddie Benfield	8-777-7272
Andy Miller	8-778-7119
Tom Christensen	8-778-7979
Jasper Armstrong	8-777-7297
Jamie Andrews	8-778-7978
John Bailes	8-778-7184
Kim McManus	8-778-9443
Roy Hembree	8-778-5839
Rick Tack	8-778-4964
Robin Caskey	8-778-2444
Larry Berry	8-778-5884
Wayne Jarman	8-778-7125
Bill Edmunds	8-778-7141
Chad Eurey	8-778-7121

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- NOTE:**
1. The Oil Spill Response Team will call the Control Room to determine any personnel or radiological safety hazards associated with their response to the Site.
  2. The Oil Spill Response Team will respond to the Water Chemistry Building unless the Control Room advises them otherwise.

## 1. Oil Spill Response Team Notification For An Actual Spill

- 1.1 **IF** the Oil Spill Response Team is being called out for a drill, go to Step 2.
- 1.2 Activate the Off-Site emergency pager system Quikpage Key Pad located in the Control Room.
  - 1.2.1 Type in "OILSPILL" and press "ENTER"
  - 1.2.2 Press "M"
  - 1.2.3 Type in "Oil spill to water at CNS. All team members respond. Team leader call 803-831-5164 for safety information."
  - 1.2.4 Press "ENTER"
- 1.3 **IF** the Quikpage Key Pad is unavailable, dial 8-778-1075 and enter your phone number (e.g., 803-831-3250), and press #. The Oil Spill Response Team will return your call.

## 2. Oil Spill Response Team Notification For A Drill

- 2.1 Activate the Off-Site emergency pager system Quikpage Key Pad located in the Simulator.
  - 2.1.1 Type in "OILSPILL" and press "ENTER"
  - 2.1.2 Press "M"
  - 2.1.3 Type in "This is a Drill. Oil spill to water at CNS. All team members respond. Team leader call 803-831-3000 Extension 2801 for safety information. This is a Drill."
  - 2.1.4 Press "ENTER"
- 2.2 **IF** the Quikpage Key Pad is unavailable, dial 8-778-1075 and enter your phone number (e.g., 803-831-3250), and press #. The Oil Spill Response Team will return your call.