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37	NRC RESIDENT (UNIT2)	US NRC (IPEC ONLY)	IP2
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41	SIMULATOR	TRAINING	48-2-A
319	C.STELLATO	NRQ-OPS / TRAINING	#48
354	L.GRANT	LRQ-OPS / TRAINING	#48
376	E-PLAN STAFF	E-PLAN	EOF
424	OPS-INSTR (LL'S 1 COPY)	J. CHIUSANO/TRAINING	#48
510	L.GRANT	LRQ-OPS / TRAINING	#48
511	L.GRANT	LRQ-OPS / TRAINING	#48
512	C.STELLATO	NRQ-OPS / TRAINING	#48
513	C.STELLATO	NRQ-OPS / TRAINING	#48

AD45

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Indian Point 3

AP-18.2
Revision 10

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Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc.
Indian Point 3 NPP
P.O. Box 308
Buchanan, NY 10511
Tel 914 736 8000

TO: NRC

CONTROL COPY NO.: 25

FROM: EMERGENCY PLANNING

DATE: 7/05/02

SUBJECT: Emergency Planning Procedures

The enclosed revisions are for your controlled copy of the IP-3 Emergency Plan. Please discard old sheets, insert new sheets, initial/date this transmittal and return it to the **IP-3 DOCUMENTS DEPARTMENT**. If you have any questions regarding these changes, call Emergency Planning (x8404/x8318).

Thank you.

Volume II - Emergency Response Activation Implementing Procedures

Old		New	
Table of Contents Vol. II	6/02	Table of Contents Vol. II	7/02
IP-2203	7/97	IP-2203	7/02
IP-2304	11/00	IP-2304	7/02

Volume III - Emergency Plan Implementing Procedures

Old		New	
Table of Contents Vol. III	5/02	Table of Contents Vol. III	7/02
IP-1052	7/97	IP-1052	7/02

I acknowledge the receipt of these revisions to the IP-3 Emergency Plan.

_____ / _____

(Signature) (Date)

ENTERGY NUCLEAR NORTHEAST
INDIAN POINT NO. 3 NUCLEAR POWER PLANT
EMERGENCY PLAN - VOLUME II
EMERGENCY RESPONSE ACTIVATION

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ENTERGY NUCLEAR NORTHEAST
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INDIAN POINT NO. 3 NUCLEAR POWER PLANT
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EMERGENCY PLAN PROCEDURES

PROCEDURE NO. IP-1052 REV. .8

TITLE: HAZARDOUS WASTE EMERGENCY

THIS PROCEDURE IS TSR ☒

THIS PROCEDURE IS NOT TSR ☐

WRITTEN BY: Dana Weaver 7/2/02
SIGNATURE/DATE

REVIEWED BY: Rebecca A Martin 7/3/02
SIGNATURE/DATE

APPROVED BY: [signature] 7/3/02
SIGNATURE/DATE

EFFECTIVE DATE: 7/5/02

PROCEDURE USE IS

REFERENCE

HAZARDOUS WASTE EMERGENCY

TABLE OF CONTENTS

IP-1052

HAZARDOUS WASTE EMERGENCY

1.0 PURPOSE

The purpose of this procedure is to specify the actions to follow in the event of a hazardous waste emergency at the Indian Point site. This procedure will minimize hazards to human health and environment resulting from fires, explosions, and/or any unplanned releases of hazardous waste or materials.

2.0 RESPONSIBILITIES

2.1 The Control Room (CR) Operators are responsible for declaring an emergency classification which involves hazardous material as per Volume II, Attachment 5.1, "Initiating Conditions and Emergency Action Levels" and then perform required actions as per the Emergency Plan.

2.2 The Hazardous Material Response Team (HazMat Team) is responsible for actions in accordance with FP-21, "Hazardous Material Response Team (HMRT) Standard Operating Procedure" and with this procedure.

3.0 REFERENCES

3.1 AP-24.1, IP3 Spill/Release Response Plan
3.2 AP-64, IP-3 Site Fire Protection Program
3.3 RES-SD-02 Waste Management
3.4 FP-20, Hazardous Materials
3.5 FP-21, Hazardous Material Response Team (HMRT) Standard Operating Procedure
3.6 Volume II Attachment 5.1, Initiating Conditions and Emergency Action Levels
3.7 SPILL GUIDE, Regulatory Release Reporting Requirements and RQ listings

4.0 PROCEDURE

4.1 CONSIDER site evacuation.

A. Offsite consequences the Emergency Plan provisions should be considered.

B. Immediately upon discovery of a hazardous waste fire, explosion, or any unplanned release of hazardous waste, or hazardous waste constituents to air, soil, surface or groundwaters, the employee(s) discovering the incident should assess the situation to determine if the release can be controlled or contained without risk of endangerment.

C. If the employee has been trained and it can be done safely, the employee should proceed to the extent possible to prevent spreading of liquids or to stop the source of the release. In those instances where personnel safety is in danger, leave the area and immediately notify the CR. The CR will notify appropriate members of the HazMat Team.

4.1 Plant Notification

As soon as possible after discovery of the incident and initial response actions, call the CR. The Shift Manager (SM)/designee will obtain and log the following information:

- Identity of caller;
- Character - nature or type of incident;
- Source - container and/or structure location (see RES-SD-02 "Waste Management" for hazardous waste accumulation locations);
- Amount and area covered (e.g. 5 ft. circle) of any released substance(s); and
- Risk of or actual personal injury.

Based on the information provided, the SM/designee will determine if the HazMat Team should be activated in accordance with FP-20 "Hazardous Materials".

4.2 Control and Containment

The SM/designee should attempt to mitigate the effects of an incident by activating the IP-3 HazMat Team. If necessary, the SM/designee can arrange for additional emergency personnel/equipment in accordance with FP-20 "Hazardous Materials. Concurrent with the following actions, notifications are to be made as per Section 4.5.

A. Fire or Explosion

In the event of a fire or explosion, IP-1055 "Fire Emergency Response", FP-20 "Hazardous Materials, FP-21 "Hazardous Material Response Team (HMRT) Standard Operating Procedure", and the Site Fire Protection Plan would be activated. In addition, fire fighting guidance should be provided to the fire brigade as described in the above referenced procedures.

4.3 Unplanned Release

In the event of an unplanned release of hazardous waste to air, ground, or water, the SPILL GUIDE, FP-20 "Hazardous Materials", FP-21 "Hazardous Material Response Team (HMRT) Standard Operating Procedure", and AP-24.1 "IP-3 Spill/Release Response Plan" should be consulted for initial

response actions (see Attachment 5.1 for SPILL GUIDE locations).

In addition to site HazMat Team personnel, emergency personnel and equipment are available through contracted emergency services as listed in AP-24.1. IR

4.4 Site Evacuation

If the Emergency Plan has been activated and the Emergency Director (ED) determines that there is a significant threat to onsite personnel and that evacuation is in order, IP-1053 "Evacuation of Site" should be implemented. The ED should ensure that meteorological conditions are factored into his decisions with respect to site evacuation routes. Refer to IP-1003, "Obtaining Meteorological Data".

4.5 Notifications

If the Emergency Plan has been activated due to an initiating condition or at the discretion of the SM/designee, the notifications in this section apply in addition to the notifications required in Volume II, Emergency Response Activation, Control Room section.

If the Emergency Plan has not been activated but there is a possibility that there was a release of a reportable quantity, use the guidance set forth in 4.5.A.

A. Release of a Reportable Quantity and Notification

The SM/designee shall ensure that a release of a reportable quantity is reported as required to outside agencies. To determine if a reportable quantity has been released, AP-24.1 "IP-3 Spill/Release Response Plan" and the SPILL GUIDE should be used. Environmental and Chemistry personnel may also be consulted to help determine if a reportable quantity has been released and what notifications are necessary. IR

If it is determined that a reportable quantity has been released, then the SM/designee shall ensure that notifications to Entergy personnel and outside agencies are performed in accordance with the Reportability Guide, AP-24.1 "IP3 Spill/Release Response Plan" and the SPILL GUIDE. IR IR

4.6 REQUIREMENTS FOR RESUMING NORMAL OPERATIONS

Before resuming normal operations within the area affected by an incident, the Vice President of Operations/designee will monitor the following activities to ensure compliance with applicable regulatory requirements: IR

A. All emergency equipment and material utilized are cleaned and refitted for their intended use or replenished.

B. The New York State Department of Environmental Conservation, is notified that the project is in compliance with the following requirements as applicable:

1. Ensure that treatment, storage, or disposal of recovered waste, contaminated soil, surface water, or any other material that resulted from an incident is conducted in accordance with applicable State and Federal regulatory requirements; and

2. Ensure that in the affected area, no waste that may be incompatible with the released material is treated, stored, or disposed of prior to the completion of cleanup procedures.

4.7 REPORTING REQUIREMENTS

The Vice President of Operations/designee will ensure that the CR logs time, date and details of any incident implementing this procedure. The Site Executive Officer/designee will also ensure an incident report is submitted within fifteen days to the NYS Department of Environmental Conservation, which includes:

A. Name, address and telephone number of the owner or operator Entergy Nuclear Northeast 440 Hamilton Street, White Plains, NY 10601, (914) 272-3500.

B. Name, address and telephone number of the project, include name of project and contact person;

C. Date, time and type of incident;

D. Extent of injuries, if any;

E. An assessment of actual or potential hazards to human health or the environment where applicable; and

F. Estimated quantity/disposition of material recovered from the incident.

5.0 ATTACHMENTS

5.1 SPILL GUIDE Locations

END OF TEXT

ATTACHMENT 5.1

SPILL GUIDE LOCATIONS

1. IP-3 Control Room (CR)
2. Emergency Operations Facility (EOF)
3. Alternate Emergency Operations Facility (AEOF)
4. Chemistry Watch or Supervisor Office
5. Radiological & Environmental Services Department Bookshelves
6. IP-3 Simulator

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EMERGENCY PLAN PROCEDURES

PROCEDURE NO. IP-2203 REV. 3

TITLE: OSC DISPATCHER

THIS PROCEDURE IS TSR ☑

THIS PROCEDURE IS NOT TSR ☐

WRITTEN BY: Daina Weaver 7/2/02
SIGNATURE/DATE

REVIEWED BY: Rebecca A Martin 7/3/02
SIGNATURE/DATE

APPROVED BY: [signature]
SIGNATURE/DATE

EFFECTIVE DATE: 7/5/02

PROCEDURE USE IS

REFERENCE

OSC DISPATCHER

TABLE OF CONTENTS

IP-2203

OSC DISPATCHER

1.0 PURPOSE

1.1 The purpose of this procedure is to provide instruction to the DISPATCHER in the Operations Support Center (OSC).

The OSC DISPATCHER position is filled in accordance with Roster II staffing.

See the E-Plan Volume II, Appendix A for current staffing.

2.0 RESPONSIBILITIES

2.1 The OSC DISPATCHER is responsible for providing clear and concise communication between dispatched teams in the plant and OSC management.

3.0 REFERENCES

3.1 EP-Form #10, "OSC Staffing Chart"
3.2 EP-Form #23, "Team Status Form"

4.0 PROCEDURE

> NOTE
> The steps in this procedure are not required to be performed in sequence.
> Initial the blank lines upon completion of the designated steps.

4.1 SIGN-IN on the EP-Form #10, "OSC Staffing Chart."

4.2 SYNCHRONIZE your time with the OSC clock.

4.3 SETUP OSC area communication systems per Attachment 5.1, "OSC Area Communications Setup and Operations."

4.4 ISSUE radios and headsets to teams being dispatched as required using Attachment 5.1, "OSC Area Communications Setup and Operations."

4.5 RECEIVE updates from dispatched teams; prompt for updates if necessary.

4.6 FREQUENTLY REPORT information received from dispatched teams to the Team Leaders. This information may include:

- Radiological status
- Repair and Corrective Action status

4.7 Track dispatched team activities using EP-Form #23, "Team Status Form" and/or log sheets.

4.8 NOTIFY OSC Manager of dispatched team status as required.

5.0 ATTACHMENTS

5.1 OSC Area Communications Setup and Operations

END OF TEXT

ATTACHMENT 5.1

OSC AREA COMMUNICATIONS SETUP AND OPERATIONS

1. MOTOROLA HT-600 RADIOS

The Motorola HT-600 Radios are kept in the OSC Manager's Locker in the OSC Team Leader area.

> NOTE:
>
> USE Frequency/Channel 1 for all radio transmissions.

A. If necessary, INSTALL a charged battery (from the gang charger in the OSC Manager's Locker in the OSC Team Leader area) into a Motorola HT-600 radio prior to issue.

B. To prevent feedback interference, PLACE the Motorola Radius Base Station antenna on top of the OSC Manager's locker (or anywhere away from the base station).

C. TURN ON the Motorola Radius Base Station.

D. PERFORM a radio check from the Motorola Radius Base Station to outside the OSC Team Leader area.

E. To transmit from the Motorola Radius Base Station, PRESS the "TRANSMIT" lever on the microphone.

> NOTE
>
> IF batteries and/or radios do not work properly, THEN set aside and notify the Emergency Planning Staff.

2. DTC HEADSETS (Located in the OSC H.P. Locker #2)

The DTC (DynaTech Tactical Communications) headsets are designed to be used with the Motorola HT-600 Radios. They consist of the following three components:

A. HT-600 Radio:

1. INSTALL a charged battery onto the bottom of radio, (which is

ATTACHMENT 5.1 (Continued)

OSC AREA COMMUNICATIONS SETUP AND OPERATIONS

already attached to the headset.)

2. ATTACH radio to clothing/protective equipment or place in pocket.

3. ENSURE radio is "ON" and tuned to the appropriate Channel/Frequency #. (ie: Channel/Frequency #1).

B. Adapter Unit:

This unit has a switch on the side for:

- OFF
- PTT (push-to-talk)
- VOX (voice activated)

1. PLACE the switch in the PTT position.

2. CLIP the adapter unit to clothing/protective equipment.

3. WRAP the velcro strap, which holds the microphone, around users neck so that the microphone sits to the right of throat/adams apple.

4. To TRANSMIT, touch the center front of the adapter unit and speak. Release center of adapter unit when finished speaking.

C. DTC Headset with Throat Mike:

1. PLACE headset on head and ears.

2. MOVE the Adapter Unit switch to the VOX position.

3. TRANSMIT by speaking.

3. HEADSET STORAGE

A. TURN OFF the adapter and radio.

B. REMOVE the battery from the radio before storage. The radio stays with the headset.

C. STORE the headset with radio in the OSC H.P. Locker #2.

D. PLACE the battery in the battery charger in the OSC Manager's Locker in the OSC Team Leader area.

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EMERGENCY PLAN PROCEDURES

PROCEDURE NO. IP-2304 REV. 5

TITLE: EOF DOSE ASSESSMENT HEALTH PHYSICIST

THIS PROCEDURE IS TSR ☑

THIS PROCEDURE IS NOT TSR ☐

WRITTEN BY: Donna Weaver 7/2/02
SIGNATURE/DATE

REVIEWED BY: Maryann Wilson 7/3/02
SIGNATURE/DATE

APPROVED BY: [signature] 7/3/02
SIGNATURE/DATE

EFFECTIVE DATE: 7/5/02

PROCEDURE USE IS

REFERENCE

EOF DOSE ASSESSMENT HEALTH PHYSICIST

TABLE OF CONTENTS

EOF DOSE ASSESSMENT HEALTH PHYSICIST

1.0 PURPOSE

1.1 The purpose of this procedure is to provide instruction to the DOSE ASSESSMENT HEALTH PHYSICIST (DAHP) in the Emergency Operations Facility (EOF).

The EOF DAHP position is filled in accordance with Roster II staffing.

See E-Plan Volume II, Appendix A for current staffing.

2.0 RESPONSIBILITIES

2.1 The DAHP is responsible for:

A. Using available equipment to perform onsite and offsite dose consequence assessments;

B. Assisting in determining radiological prognosis;

C. Assisting in completing Part I, "New York State (NYS) Radiological Data Form", if there is a release below or above Technical Specifications.

D. Completing EP-Form Part II, "New York State (NYS) Radiological Emergency Data Form" when a radiological release occurs above Technical Specifications.

E. Ensuring habitability of the EOF.

3.0 REFERENCES

3.1 EP-Form Part I, "NYS Radiological Data Form"

3.2 EP-Form Part II, "NYS Radiological Data Form"

3.3 EP-Form #46, "EOF Staffing Chart"

3.4 IP-1001, "Determining the Magnitude of Release"

3.5 IP-1017, "Protective Action Recommendations (PARs) for the Offsite Population"

3.6 IP-1040, "Habitability of the Emergency Response and Accountability Areas"

4.0 PROCEDURE

> **NOTE**
> The steps in this procedure are not required to be performed in sequence.
> Initial the blank lines upon completion of the designated steps.

4.1 SIGN IN on EP-Form #46, "EOF Staffing Chart". _____

4.2 SYNCHRONIZE your time with the EOF clock. _____

4.3 OBTAIN a briefing from the Radiological Assessment Team Leader (RATL) or from the Emergency Director (ED) upon assuming duties. _____

4.4 SET-UP AMS-4 as per Attachment 5.1, "Use of AMS-4". Ensure the area radiation monitor is available. _____

4.5 OBTAIN meteorological (MET) data and forecast information from the Meteorological Information Data Acquisition System (MIDAS) Operator.

4.6 ASSIST in recording MET data on EP-Form Part I, "NYS Radiological Emergency Data Form".

4.7 DETERMINE if the EOF and/or IP-2 is affected by possible releases. Coordinate IP-2 communications with the RATL and Onsite Radiological Communicator. _____ IR IR

4.8 BRIEF EOF Security on current plant status, if necessary via the Onsite Radiological Communicator.

4.9 USE IP-1001, "Determining the Magnitude of Release" to determine Xμ/Q for the following:

- Site Boundary
- 2 miles
- 5 miles
- 10 miles

4.10 PERFORM dose calculations in accordance with IP-1001, "Determining the Magnitude of Release" using the following:

- Emergency Dose Assessment program on the personal computer,
- MIDAS Computer,

- Reuter Stokes data,
- Field Team Data - consider the need for gamma spectroscopy of air sample(s).

4.11 USE IP-1017, "Protective Action Recommendations for the Offsite Population" to determine the affected ERPAs and to discuss PARs with the RATL.

4.12 IF releases have not yet occurred, THEN complete the following:

- Calculate 1 Ci/sec. release; and/or
- Projected Doses:
  μCi/cc in VC X 1500 cfm pressure relief valve.
- Project potentially affected ERPA's and include projected forecast (8hrs. is recommended).

4.13 COMPLETE EP-Form Part II, "NYS Radiological Emergency Data Form", when a radiological release occurs above Technical Specification limits and approximately every 30 minutes thereafter, or when release changes.

4.14 GIVE the completed EP-Form Part II to the ED for review.

4.15 DISCUSS the following with the Offsite Radiological Communicator:

- Plume forecast
- Expected radiation fields
- Offsite Survey Team results

4.16 RECALCULATE dose projections when release rates, emergency status, or MET data changes.

4.17 PROVIDE completed EP-Form, Part II to the Offsite Communicator.

4.18 NOTIFY RATL if the air monitoring system or area radiation monitor is alarming.

4.19 USE Attachment 5.2, "Turnover Checklist", when being relieved by another DAHP.

5.0 ATTACHMENTS

5.1. Use of AMS-4

5.2 Turnover Checklist

END OF TEXT

ATTACHMENT 5.1

USE of AMS-4

1. INITIAL START UP

   A. OPEN filter housing cover, remove any existing filter media AND install a new charcoal filter paper (# 508 Carbon Impreg.) The "lined" side should face down.

   B. CLOSE and latch the filter housing cover.

   C. PLUG the AMS-4 in and turn on SW1 (power) and SW2 (pump) switches located in the back of the monitor.

> NOTE:
>
> IF beeping continues, THEN readjust filter paper and restart.

   D. AFTER the AMS-4 has gone through the initial self test cycle (approximately 5 minutes), THEN VERIFY the "READY" light is on AND activity is displayed.

   E. PRESS "2" on the keypad AND VERIFY that indicated flow rate is near the posted reference flow rate for charcoal filter. A low flow rate may indicate a flow blockage OR loaded filter paper.

   F. PRESS "1" on keypad to display airborne concentration. Negative numbers indicate the current activity is less than the historical data.

2. NORMAL OPERATION

> NOTE:
>
> This instrument is calibrated to monitor Iodine gas and particulates.

   A. CHECK periodically the AMS-4 flow rate by pressing "2" on the keypad. IF desired return to activity monitoring by pressing "1" on the keypad.

   B. IF the flow rate approaches 28320 CM^3/min OR the "MIN FLOW FAIL" alarm activates THEN CHANGE the filter paper as per Section 3.

   C. IF the ASM-4 "DAC HOUR ALARM DETECTED" alarm activates THEN NOTIFY the RATL. The alarm set point is 60 DAC hrs which is equivalent to 150 mRem.

ATTACHMENT 5.1 (Continued)

USE of AMS-4

D. IF the "FILTER DOOR, OPEN OUT OF SERVICE" alarm activates THEN VERIFY that the filter housing is closed and latched.

E. IF the gamma background in the area changes substantially THEN GO to Section 4 to set the Gamma Factor.

F. WHEN finished monitoring with the AMS-4 THEN TURN off SW1 (Power), SW2 (pump).

3. FILTER PAPER CHANGING

A. TURN SW2 (pump) OFF.

B. WHEN the audible alarm activates THEN PRESS "ALARM ACK.".

C. OPEN the filter housing cover AND WHEN the audible alarm activates press "ALARM ACK." .

D. REMOVE any existing filter media AND install a new charcoal filter paper (# 508 Carbon Impreg.) The "lined" side should face down.

E. CLOSE and latch the filer housing cover.

F. TURN on SW2 (pump) switch.

G. WHEN the audible alarm activates THEN press "ALARM ACK.".

H. PRESS "2" on the keypad AND verify that indicated flow rate is near the posted reference flow rate for charcoal filter. The low flow rate alarm set point is 28320 CM^3/min. A low flow rate may indicate a flow blockage OR loaded filter paper.

I. RETURN to Section 2 for normal operations.

4. GAMMA FACTOR SET

A. VERIFY "READY" light is on. The AMS-4 front panel will NOT respond as expected if an alarm condition exists.

B. PRESS "MENU".

C. AT the prompt "password" type in "8435" THEN press "ENTER".

D. PRESS "_" button until "Calibrate" appears in display.

E. PRESS "ENTER".

F. PRESS "_" button until "Gamma Factor Count" appears in display.

ATTACHMENT 5.1 (Continued)

USE of AMS-4

G. PRESS "ENTER".

H. WHEN "Calibration Mode Halts Normal Operation" displays THEN press "ENTER".

I. WAIT until both Beta AND BKG counts are greater than 400 counts THEN observe "Factor = XX.XXX" (where XX.XXX is a number) on display AND press "ENTER".

J. PRESS "ENTER" to accept and update Gamma Factor value.

K. PRESS "MENU" key twice.

L. WHEN "READY" light appears AND Airborne concentration appears on top line of display THEN go to Section 2 for normal operation. (IF the flow rate appears THEN press "1" to display activity).

ATTACHMENT 5.2

TURNOVER CHECKLIST

When another EOF Dose Assessment Health Physicist (DAHP) relieves the DAHP, the following checklist should be used to effectively turnover responsibilities.

Current EOF DAHP: _____

Relieving EOF DAHP: _____

Date: _____ Time: _____

The following items should be discussed as applicable:

1. Emergency Classification

2. Initiating Event (Date Time and Cause)

3. Radiological Conditions (Onsite and Offsite as applicable)

4. Dose Assessment Activities

5. Dose Projections

6. Meteorological Data (including forecast)

7. Status of Offsite Monitoring Teams

8. Site Accountability/Site Evacuation

9. Any Other Items that Should be Communicated.