

DISTRIBUTION CONTROL LIST

Document Name: EMER PLAN

CC_NAME	NAME	DEPT	LOCATION
2	EP/TRAINING ADMINISTRATOR	TRAINING (ALL EP'S)	#48
3	RES DEPARTMENT MANAGER	RES (UNIT 3/IPEC ONLY)	45-4-A
4	REFERENCE LIBRARY	REC/TRN(UNT 3/IPEC ONLY)	BLDG/17
9	JOINT NEWS CENTER	EMER PLN (ALL EP'S)	EOF
10	SHIFT MGR. (LUB-001-GEN)	OPS (UNIT 3/IPEC ONLY)	IP3
11	CONTROL ROOM & MASTER	OPS (3PT-D001/6 (U3/IPEC)	IP3 (ONLY)
14	EOF	E-PLAN (ALL EP'S)	EOF
16	AEOF/A.GROSJEAN (ALL EP'S)	E-PLAN (EOP'S ONLY)	WPO-12D
19	NUC ENGINEERING LIBRARY	DOC (UNIT 3/IPEC ONLY)	WPO/7A
21	TSC (IP3)	EEC BUILDING	IP2
23	SILK DAVID	NRC (ALL EP'S)	OFFSITE
24	SILK DAVID	NRC (ALL EP'S)	OFFSITE
25	DOCUMENT CONTROL DESK	NRC (ALL EP'S)	OFFSITE
28	AVRAKOTOS N	J A (UNIT 3/IPEC ONLY)	OFFSITE
30	E-PLAN STAFF	E-PLAN (ALL EP'S)	EOF
31	BARANSKI J (PLAN ONLY)	ST. EMERG. MGMT. OFFICE	OFFSITE
32	SUTTON A (PLAN ONLY)	DISASTER & EMERGENCY	WESTCHESTR
33	LONGO N (PLAN ONLY)	EMERGENCY SERVICES	ROCKLAND
34	GREENE D (PLAN ONLY)	DISASTER & CIVIL DEFENSE	ORANGE
35	RAMPOLLA M (PLAN ONLY)	OFFICE OF EMERG MANAGE	PUTNAM
41	SIMULATOR	TRAIN (UNIT 3/IPEC ONLY)	48-2-A
107	QA MANAGER	QA (UNIT 3/IPEC)	GSB-2B
319	L.GRANT (LRQ-OPS TRAIN)	LRQ (UNIT 3/IPEC ONLY)	#48
354	L.GRANT (LRQ-OPS/TRAIN)	LRQ (UNIT 3/IPEC ONLY)	#48
424	HULBERT TRACY (7COPIES)	(UNIT 3/IPEC ONLY)	#48
510	L.GRANT (LRQ-OPS/TRAIN)	LRQ (UNIT 3/IPEC ONLY)	#48
511	L.GRANT (LRQ-OPS/TRAIN)	LRQ (UNIT 3/IPEC ONLY)	#48
512	L.GRANT (LRQ-OPS TRAIN)	LRQ (UNIT 3/IPEC ONLY)	#48
513	L.GRANT (LRQ-OPS TRAIN)	LRQ (UNIT 3/IPEC ONLY)	#48
517	PLANT MANAGER'S OFFICE	ADMIN/ (UNIT 2/IPEC ONLY)	IP2
518	DOC CONTROL	UNIT 2 (UNIT 2/IPEC ONLY)	IP2
520	CONTROL ROOM (D001 SERIES)	OPS (UNIT 2 & IPEC ONLY)	IP2
521	SIMULATOR	TRAIN (UNIT 2/IPEC ONLY)	IP2
522	NRC RESIDENT	US NRC (UNIT 2/IPEC ONLY)	88'ELV IP2
524	BLAIR W.	IPEC LICENSING	K-IP2-4323
558	TORRES DAMARIS	R&D EEC BUILDING 2ND FL.	IP2

A045

	IPEC SITE MANAGEMENT MANUAL	QUALITY RELATED ADMINISTRATIVE PROCEDURE	IP-SMM-AD-103    Revision 0
		INFORMATIONAL USE	Page    13    of    21

ATTACHMENT 10.1

SMM CONTROLLED DOCUMENT TRANSMITTAL FORM

**SITE MANAGEMENT MANUAL CONTROLLED DOCUMENT TRANSMITTAL FORM - PROCEDURES**

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		<p>CONTROLLED DOCUMENT TRANSMITTAL FORM - PROCEDURES</p>	
TO: DISTRIBUTION	DATE: 1/23/2004	TRANSMITTAL NO: 28976	
FROM: IPEC DOCUMENT CONTROL: EEC or IP2 53'EL	(Circle one)	PHONE NUMBER: 271-7057	
<p>The Document(s) identified below are forwarded for use. In accordance with IP-SMM-AD-103, please review to verify receipt, incorporate the document(s) into your controlled document file, properly disposition superseded, void, or inactive document(s). Sign and return the receipt acknowledgement below within fifteen (15) working days.</p>			
AFFECTED DOCUMENT:		EMERGENCY PLANNING IMPLEMENTATION	
DOC #	REV #	TITLE	INSTRUCTIONS
<p>NOTE: REPLACE CURRENT INDEX WITH ATTACHED REVISED INDEX:</p> <p>THE FOLLOWING PROCEDURES HAVE BEEN REVISED. REPLACE CURRENT COPIES WITH ATTACHED REVISED COPIES:</p> <p><b>IP-EP-630 REV.1, IP-1055 REV.16,</b></p> <p>REPLACE PAGES 27 THRU 41 WITH THE ATTACHED PAGES FOR PROCEDURE.</p> <p><b>IP-EP-520 REV.2</b></p> <p>*****PLEASE NOTE EFFECTIVE DATE*****</p>			
<p>RECEIPT OF THE ABOVE LISTED DOCUMENT(S) IS HEREBY ACKNOWLEDGED. I CERTIFY THAT ALL SUPERSEDED, VOID, OR INACTIVE COPIES OF THE ABOVE LISTED DOCUMENT(S) IN MY POSSESSION HAVE BEEN REMOVED FROM USE AND ALL UPDATES HAVE BEEN PERFORMED IN ACCORDANCE WITH EFFECTIVE DATE(S) (IF APPLICABLE) AS SHOWN ON THE DOCUMENT(S).</p>			
NAME (PRINT)	SIGNATURE	DATE	CC# <span style="float: right;">25</span>

TO: Nuclear Regulatory Commission Copy # 25  
 FROM: IPEC Emergency Planning  
 SUBJECT: Emergency Planning Document Update  
 Date: 01/20/04

Transmittal # 28976

Please update your controlled copy of the documents listed below as specified with the copy(s) attached.

Document #	Document Name	New Rev # Date	Old Rev # Date	Instructions
IPEC	Emergency Plan Implementing Procedures			Current IPEC Implementing Procedure Binder
TOC	IPEC Emergency Plan Implementing Procedures	01/20/04	12/18/03	Remove old and replace with new
IP-EP-630	Onsite Medical Emergency	Rev 1 01/20/04	Rev 0 12/18/03	Remove old and replace with new
IP-EP-520	Modular Emergency Assessment & Notification System (MEANS)		Rev 2 12/10/03	Remove old pages 27-41 and replace with new pages 27-41
Unit 3 Holders				
IP-1055	Fire Emergency Response	Rev 16 01/20/04	Rev 15 04/02	Remove old and replace with new

# Indian Point Energy Center

## Emergency Plan Implementing Procedures

### Table of Contents

Procedure No.	Procedure Title	Rev. No.	Effective Date
<b>IPEC PROCEDURES</b>			
IP-EP-115	Emergency Plan Forms	6	12/10/03
IP-EP-120	Emergency Classification	0	11/06/03
IP-EP-130	Emergency Notifications and Mobilization	1	12/10/03
IP-EP-212	Unit 2 Control Room	0	12/10/03
IP-EP-213	Unit 3 Control Room	0	12/10/03
IP-EP-222	Unit 2 Technical Support Center	0	12/10/03
IP-EP-223	Unit 3 Technical Support Center	0	12/10/03
IP-EP-232	Unit 2 Operations Support Center	0	12/10/03
IP-EP-233	Unit 3 Operations Support Center	0	12/10/03
IP-EP-240	Security	0	12/10/03
IP-EP-250	Emergency Operations Facility	1	12/10/03
IP-EP-251	Alternate Emergency Operations Facility	2	12/10/03
IP-EP-260	Joint News Center	0	03/06/03
IP-EP-310	Dose Assessment	3	12/10/03
IP-EP-320	Radiological Field Monitoring	0	12/10/03
IP-EP-330	Airborne Sample Analysis	0	12/10/03
IP-EP-350	Emergency Contamination Control	0	12/10/03
IP-EP-410	Protective Action Recommendations	3	12/10/03
IP-EP-430	Site Assembly, Accountability & Relocation of Personnel Offsite	1	12/10/03
IP-EP-510	Meteorological, Radiological & Plant Data Acquisition System	2	12/10/03
IP-EP-520	Modular Emergency Assessment & Notification System (MEANS)	2	12/10/03
IP-EP-610	Emergency Termination and Recovery	1	03/06/03
IP-EP-620	Estimating Total Population Exposure	1	03/06/03
IP-EP-630	Onsite Medical Emergency	1	01/20/04

**Indian Point Energy Center  
Emergency Plan Implementing Procedures  
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<b>UNIT 3 PROCEDURES</b>			
IP-1028	Core Damage Assessment	9	06/98
IP-1052	Hazardous Waste	8	07/02
IP-1055	Fire Emergency Response	16	01/20/04
IP-1057	Natural Phenomena	8	10/01
IP-1059	Air Raid Alert	7	05/01
IP-1070	Inventory (Incorporated into AD6)		Void
IP-2603	Corporate Support Group Manager	1	07/02



IPEC  
EMERGENCY PLAN  
IMPLEMENTING  
PROCEDURES

NON-QUALITY RELATED  
PROCEDURE

REFERENCE USE

IP-EP-630

Revision 1

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**CONTROLLED**

COPY # 25

### Onsite Medical Emergency

Prepared by:

Daria Weaver  
Print Name

*Daria Weaver*  
Signature

1/13/04  
Date

Approval:

Frank Inzirillo  
Print Name

*F. Inzirillo*  
Signature

1/19/04  
Date

Effective Date: 1/20/04

*This procedure excluded from further L1-100 reviews.*



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## Onsite Medical Emergency

### 1.0 PURPOSE

To describe the procedure for personnel during an onsite medical emergency to ensure safety for any injured individuals and contamination controls are utilized appropriately, if necessary.

### 2.0 REFERENCES

- 2.1 Indian Point Emergency Plan
- 2.2 ENN-RP-104 Personnel Contamination Events
- 2.3 SMM-LI-108, Notifications

### 3.0 DEFINITIONS

- 3.1 Contamination – Radioactive material where it's not wanted
- 3.2 Control Room Operator – Licensed individual in control room operations
- 3.3 Decon – process to remove contamination from a person or piece of equipment
- 3.4 Dosimeter – Equipment used to measure radiation and provide the wearer with a reading of accumulated exposure.
- 3.5 Emergency Medical Technician / First Aid Responder – Certified to provide immediate first aid to injured individual
- 3.6 Emergency Telephone Directory – IPEC telephone directory for emergency numbers and Emergency Response Organization. This is located on the Emergency Planning website.
- 3.7 First Aid – Immediate medical attention provided to an injured individual
- 3.8 Health Physics Technician – Trained individual in radiation protection and detection
- 3.9 NPO – Nuclear Plant Operator – non-licensed operator in the plant
- 3.10 RM-14/HP-210 – Equipment used to measure radiation, also referred to as a "frisker"
- 3.11 Shift Manger – Licensed operator in charge of plant operations
- 3.12 Step-Off Pad – Used as a mat noted as "clean" area
- 3.13 TLD – Permanent record of an individual's radiation exposure
- 3.14 Whole Body Counting – Method to measure the amount of internal radioactive material in a person's body



#### 4.0 RESPONSIBILITIES

- 4.1 Control Room Operators and Shift Managers are responsible for following this procedure.
- 4.2 Health Physics Technicians are responsible for following this procedure.

#### 5.0 DETAILS

##### 5.1 Control Room Operator

**NOTE:**

Health Physics Technician response is not required for areas that are not designated as Radiologically Controlled Areas (RCA), with the provision that there is NO potential for radioactive contamination to the injured or rescuer.

- 5.1.1 The Control Room Operator will notify the following to respond to the scene:
  - 5.1.1.1 Emergency Medical Technician / First Aid Responder
  - 5.1.1.2 Health Physics Technician
  - 5.1.1.3 Shift Manager or designee
- 5.1.2 If an ambulance is required or requested by the emergency responders at the scene, the Control Room will call for an ambulance, using 911. Notify Security of the anticipated ambulance arrival and location of the injured. Direct security to give the ambulance, The Ambulance Emergency Kit located at the main gate security station. Security will escort the ambulance to the location.
- 5.1.3 Notify the site hospital, Hudson Valley Hospital Center (primary) or if necessary, Phelps Memorial Hospital Center (back-up) of the extent of the injured, and any possible contamination. Refer to the Emergency Telephone Directory for hospital phone numbers.
- 5.1.4 If the Emergency Medical Technician / First Aid Responder or Ambulance Corps decides, that due to severe trauma, the injured requires transport to the Westchester Medical Center in Valhalla, then notify that hospital. Refer to the Emergency Telephone Directory for hospital phone number. Ensure that Hudson Valley Hospital Center is notified of the transport change.



5.1.5 Notify the Operations Plant Manager or designee of the injured and actions taken.

## 5.2 Shift Manager or Designee

5.2.1 Respond to the location of the injured or send a designee.

5.2.2 Evaluate information received from Emergency Medical Technician / First Aid Responder and Health Physics Technician. Categorize the injured individual's condition as follows:

5.2.2.1 Injured DOES NOT need to be transported to a hospital OR

5.2.2.2 Injured needs to be transported to a hospital via personal or company vehicle and is NOT contaminated OR

5.2.2.3 Injured needs to be transported to a hospital via ambulance and is NOT contaminated OR

5.2.2.4 Injured needs to be transported to a hospital and IS contaminated OR

5.2.2.5 Due to severe trauma, the injured needs to be transported to a trauma hospital.

5.2.3 Notify the Control Room of the injured individual's condition and actions taken. Periodically update the Control Room.

5.2.4 Instruct the Control Room to call 911 and request an ambulance

5.2.5 Coordinate the transfer of the injured individual from the scene to transport vehicle or ambulance.

5.2.6 Perform the following notifications:

5.2.6.1 Contact the Radiation Protection Manager or designee and request a replacement Health Physics Technician if necessary, due to the Health Physics Technician reporting to the hospital with the injured.

## 5.3 Health Physics Technician

5.3.1 Personnel Decontamination will be performed in conjunction with this procedure and as per procedure ENN-RP-104 Personnel Contamination Events, reference 2.2.

5.3.2 Perform the following steps:

5.3.2.1 Evaluate the general situation quickly, i.e., radiation fields, water on the floor or any possible contamination in the area.



5.3.2.2 **IF** possible, survey the area for radiation and contamination, document survey results, **THEN**:

- a. Survey the injured individual and document the survey results
- b. Assist other responders as needed for the safety and treatment of the individual.

5.3.2.3 Evaluate if individual needs to be moved due to radiation fields or if the source of radiation can be removed or diminished, i.e. move the source of radiation away from the injured individual or move some type of material between the source and injured individual. Movement of a seriously injured individual should be the last consideration. Consult with the Emergency Medical Technician / First Aid Responder if possible. Recommended guidelines are as follows:

- a. Greater than 100 R/hr - Move IMMEDIATELY, unless moving the individual is life threatening.
- b. 10-100 R/hr – Move IMMEDIATELY, UNLESS moving the individual would cause serious medical complications.
- c. Less than 10 R/hr - Move as soon as Emergency Medical Technician / First Aid Responder authorizes.

5.3.2.4 Solicit assistance to set up and control the area if required.

5.3.2.5 Direct ALL non-injured to safe, low-dose area. Try to maintain personnel exposures in accordance with ALARA.

5.3.2.6 **IF** the individual is contaminated **THEN** perform the following steps as necessary. If the injured individual's medical condition allows:

- a. Remove anti-C clothing and place in plastic bag.
- b. Re-survey contamination level on injured individual.
- c. Encapsulate the contaminated area on the injured individual to keep any contamination from spreading.
- d. Consult with Emergency Medical Technician / First Aid Responder on method for removing injured individual from the contaminated area, without spreading contamination **OR** complicating the injury.



- e. Ensure that all responders are NOT contaminated as they leave area.
- 5.3.2.7 Upon exiting the RCA, read injured individual's dosimeter. If the injured individual is being transported to the hospital as "contaminated," leave dosimetry on the individual.
- 5.3.2.8 Instruct and or guide all responders of contamination levels AND radiation fields to ensure their safety.
- 5.3.3 Issue or ensure issuance of dosimeters to ambulance crew, if necessary, i.e., if ambulance crew responders might be exposed to radiation fields greater than 1mR/hr. Record dosimeters issued along with any exposure received. Have ambulance crew don PC's if required. Have ambulance crew Herculite inside ambulance if required.
- 5.3.4 Participate in the transfer of the injured individual to the ambulance and to the hospital.
- 5.3.4 Accompany the individual to the hospital if injured is contaminated. Whenever possible, obtain the assistance of another Health Physics Technician. Request the Shift Manager call for a Health Physics Technician to report to the hospital. Request SM or HP Tech to contact H.D. supervision to provide additional staff at hospital.
- 5.4 Decon Suite for First Aid Responders
  - 5.4.1 Check injured for contamination levels. Use ENN-RP-104 Personnel Contamination Event, reference 2.2 for decontaminating the individual.
  - 5.4.2 Advise the Emergency Medical Technician / First Aid Responder or other responders of any radiological controls necessary.
  - 5.4.3 Utilize Health Physics procedures for controlling the area, material, and personnel.
  - 5.4.4 Whole Body Counting of individual may be required. This should be completed after medical aid and decontamination of the injured individual. Utilize Radiological Engineering Procedures for evaluation and follow up.
  - 5.4.5 Contact the Shift Manager and provide status.
- 5.5 Health Physics Support At Hospital (If dispatched to hospital for contaminated individual)



- 5.5.1 Determine that emergency room has been set up as a contaminated area, i.e. Step Off Pads, friskers, shoe covers, protective clothing, AND plastic bags to receive contaminated materials. Refer to hospital layout forms, Attachment 1 and 2 for hospital decon room floor plan.
- 5.5.2 Issue or ensure the issuance of dosimeters and TLDs to responding hospital medical team members, if necessary.
- 5.5.3 After patient is inside the decon room, survey the hallways to ensure no contamination is present.
- 5.5.4 Survey the ambulance and the crew
  - 5.5.4.1 Have the crew remove any protective clothing. Survey crew for contamination. For localized contamination, perform decon in the ambulance. If contamination cannot be removed, contact the Health Physics supervisor for support and document all survey results.
  - 5.5.4.2 Collect dosimetry from crew.
  - 5.5.4.3 Survey the ambulance and document results. If contamination is detected and cannot be easily removed, contact Health Physics Supervisor for support.
- 5.5.5 Brief the medical team of the contamination levels on the injured individual. Apprise medical team members of contamination AND radiation field levels they may be exposed to AND injured individual's exposure history.
- 5.5.6 Assist the medical team by periodically surveying the decon room and providing contamination readings as requested.
- 5.5.7 After medical treatment has been performed and the patient removed from the decon room, survey the herculite and ensure no contamination. If free of contamination, remove the herculite and postings.
  - 5.5.7.1 If the herculite is contaminated, bag and tag the herculite and ensure it is transported to Indian Point Energy Center for disposal.
  - 5.5.7.2 Re-survey the area. Use masslin to decon if necessary.
  - 5.5.7.3 Save AND label, including time specimen taken, of: urine, vomit, feces, blood, tissue, and foreign bodies from individual until their use in the evaluation is complete.



5.5.8 After the individual has been discharged from the emergency room, i.e. admitted to hospital or released, check medical personnel, emergency equipment used, and surfaces for contamination.

5.5.9 Give hospital staff direction on methods of decontamination. Supervise decon effort. Ensure that ALL contaminated waste is returned to Indian Point Energy Center for disposal.

5.5.10 Follow Up:

5.5.10.1 Gather ALL data and samples

5.5.10.2 Give ALL data to Health Physics Supervisor upon return to site or as soon as possible.

5.5.10.3 The Health Physics Supervisor will be responsible to prepare a report to the Operations Plant Manager listing ALL actions, surveys, sample counting, evaluations and instruction to personnel. All completed data forms used to record the event will be attached to the report.

## 6.0 INTERFACES

NONE

## 7.0 RECORDS

7.1 All survey documentation records from ENN-RP-104.

## 8.0 REQUIREMENTS AND COMMITMENT CROSS-REFERENCE

8.1 This procedure does not degrade any requirements or commitments

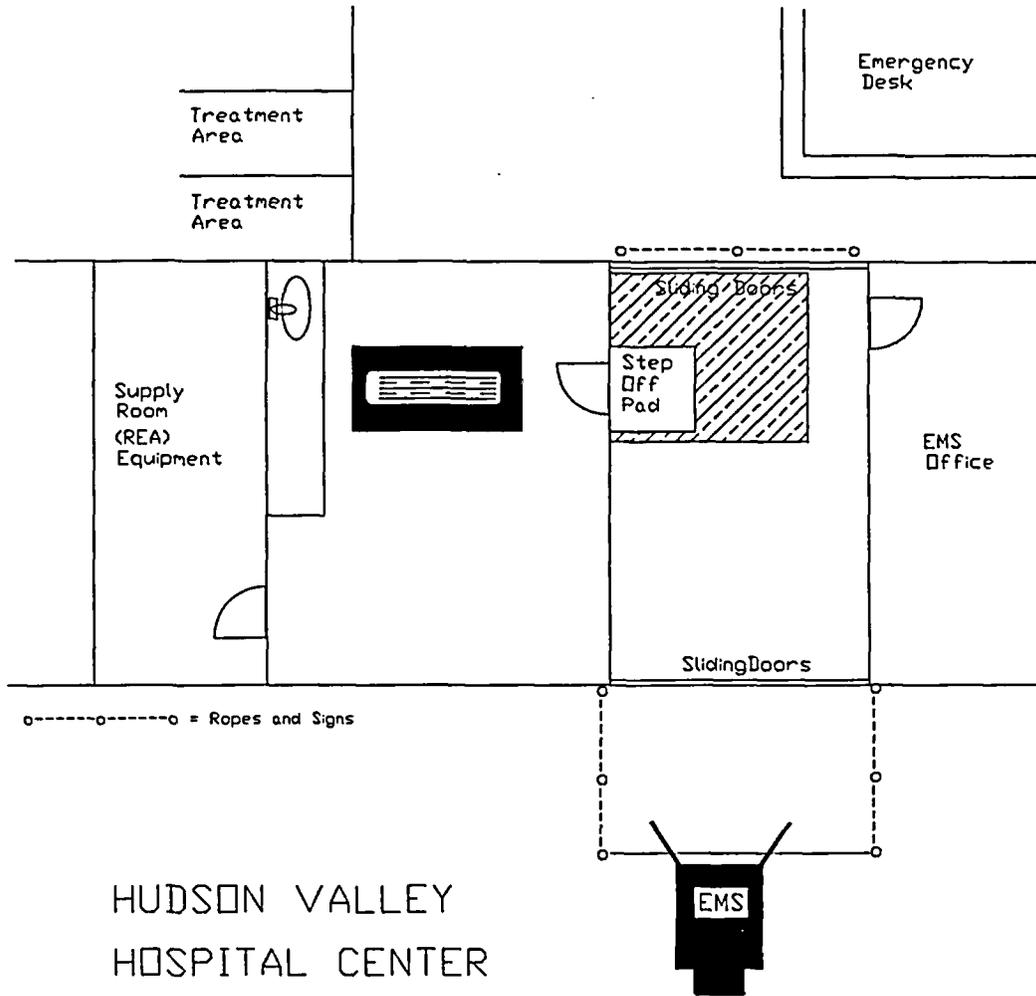
## 9.0 ATTACHMENTS

9.1 Attachment 1, Hudson Valley Hospital Center Layout

9.2 Attachment 2, Phelps Memorial Hospital Center Layout

	<b>IPEC SITE EMERGENCY PLAN IMPLEMENTING PROCEDURE</b>	<b>NON-QUALITY RELATED PROCEDURE</b>	<b>IP-EP-630</b> <b>Revision 1</b>
		<b>REFERENCE USE</b>	<b>Page 10 of 11</b>

**Attachment 1**  
**Hudson Valley Hospital Center Decon Suite and Access Layout**  
**Sheet 1 of 1**





IPEC SITE  
EMERGENCY PLAN  
IMPLEMENTING  
PROCEDURE

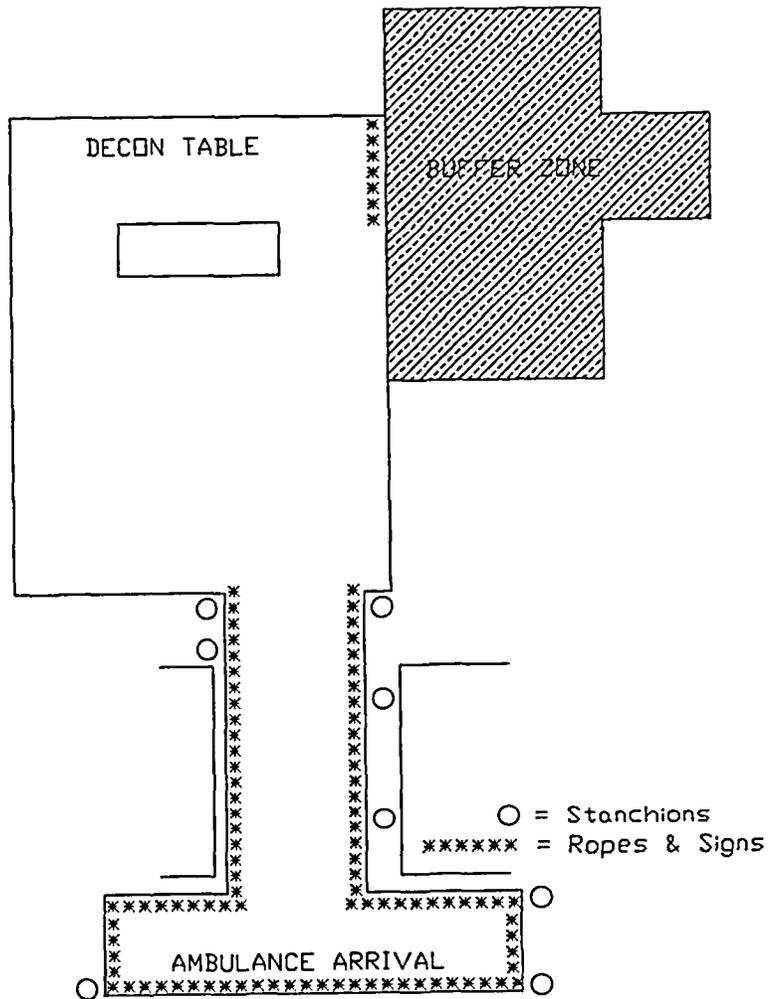
NON-QUALITY RELATED  
PROCEDURE

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Attachment 2  
Phelps Memorial Hospital Center Layout  
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Attachment 6

MEANS Windows Summary

Sheet 1 of 15

**MEANS Program Information and Functions**

Object                      Type                      Information or Functional Description

**Main Switchboard**

INForm	Command Button	Opens the New York State Radiological Emergency Data Forms application.
DAPAR	Command Button	Opens the Dose Assessment and Protective Action Recommendation application.
EALCIS	Command Button	Opens the Emergency Action Level Computerized Information System application.
Admin	Command Button	Opens the administration windows to allow changes to the EALCIS data tables. (This area is password protected)
History	Command Button	Opens the administration windows for historical application form printing and maintenance.
Quit	Command Button	Closes all applications, resets all data inputs, quits out of the MEANS interface and returns to the Windows desktop.

**Non-Tab (appears on each tab) Emergency Data Forms**

Transmission Date	Text Box	Date the form is transmitted to offsite authorities entered as MM/DD/YY. The system date is entered as a default value.
Transmission Time	Text Box	Time the form is transmitted to offsite authorities entered as HHMM.
Transmission Via	Option Button	Available selections are: <ul style="list-style-type: none"> <li>• RECES</li> <li>• Other</li> </ul>
This Is	List Box	Available selections are: <ul style="list-style-type: none"> <li>• NOT an Exercise</li> <li>• An Exercise</li> </ul>
Report Selector	Option Buttons	Available selections to set the preview or print commands are: <ul style="list-style-type: none"> <li>• Part 1</li> <li>• Part 2</li> <li>• Both</li> </ul>
Preview	Command Button	Opens a print preview window for the selected Part 1 and/or Part 2 report.
Print/Save	Command Button	Prints the selected Part 1 and/or Part 2 report and save the data to the historical file.



Attachment 9.6

**MEANS Windows Summary**

Sheet 2 of 15

**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Load DAPAR	Command Button	Loads meteorological, dose assessment and protective action recommendation data.  <b>NOTE:</b> The data must have been saved while running the DAPAR application <b>AND</b> a release to the atmosphere must be selected to enable this feature.
Reset	Command Button	Clears all the data and restores BOTH Emergency Data Forms to their initial startup default states.
Exit	Command Button	Closes the emergency data forms window and returns to the main switchboard.

**Emergency Data Form -- Part 1 Tab**

EAL #	Text Box	EAL number entered as X.X.X. Improper EAL numbers are not accepted.  The classification will be automatically selected when an EAL is entered.  Entry of an EAL number inconsistent with a previously selected classification will prompt for user direction.  Entry of a General Emergency EAL will select the default PARs provided met data has been entered.
Declaration Date	Text Box	Date the event was declared entered as MM/DD/YY.  The system date is entered as the default value.
Declaration Time	Text Box	Time the event was declared entered as HHMM.
Reactor Status	List Box	Available selections are: <ul style="list-style-type: none"> <li>• Critical</li> <li>• Hot Shutdown</li> <li>• Cold Shutdown</li> </ul>
Shutdown Date	Text Box	Date the reactor was shutdown entered as MM/DD/YY.  This control is disabled until either the hot or cold shutdown status is selected.
Shutdown Time	Text Box	Time the event was declared entered as HHMM.  This control is disabled until either the hot or cold shutdown status is selected.



Attachment 9.6

MEANS Windows Summary

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Conditions	List Box	Available selections are: <ul style="list-style-type: none"><li>• Stable</li><li>• Improving</li><li>• Degrading</li></ul>
Release Status	List Box	Available selections are: <ul style="list-style-type: none"><li>• No Release</li><li>• Above TS to Atmosphere</li><li>• Below TS to Atmosphere</li><li>• Above TS to Water</li><li>• Below TS to Atmosphere</li><li>• Unmonitored</li></ul> <p><b>NOTE:</b> A release to the atmosphere must be selected to enable the Load DAPAR command button.</p>
Speed	Text Box	Wind speed value between 0 - 45 m/sec. Wind speed is automatically entered when DAPAR data is loaded. Entering wind speed will select the default PARs provided the other met data has been entered and a General Emergency classification is selected.
Direction	Text Box	Wind direction entered as degrees from in the range of 000° to 360°. Wind direction is automatically entered when DAPAR data is loaded. Entering wind direction will select the default PARs provided the other met data has been entered and a General Emergency classification is selected.
Stability Class	Text Box	Pasquill category entered as A-G describing the applicable stability class. Stability class is automatically entered when DAPAR data is loaded. Entering stability class will select the default PARs provided the other met data has been entered and a General Emergency classification is selected.



Attachment 9.6

MEANS Windows Summary

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Classification	Option Buttons	<p>Available selections are:</p> <ul style="list-style-type: none"> <li>• Unusual Event Disables PARs</li> <li>• Alert Disables PARs</li> <li>• Site Area Emergency Disables PARs</li> <li>• General Emergency Enables PARs</li> <li>• Recovery Enables PARs</li> <li>• Emergency Terminated Disables PARs</li> <li>• Transport Enables PARs</li> </ul> <p>The classification will be automatically selected when an EAL is entered.</p> <p>Selection of a General Emergency will set the default PARs provided met data has been entered.</p> <p>Selection of a classification inconsistent with an entered EAL number will prompt for user direction.</p>
PARs	Option Buttons	<p>Available selections are:</p> <ul style="list-style-type: none"> <li>• Issued</li> <li>• Not Issued</li> </ul> <p>Disabled and set at 'Not Issued' for UE, Alert, SAE and Termination.</p> <p>Disabled and set at 'Issued' for GE.</p> <p>Enabled for Recovery and a Transportation Incident.</p>
ERPAs	Toggle Buttons	<p>On or Off buttons for each ERPA.</p> <p>A depressed button is 'on' (indicating evacuate).</p> <p>Buttons are disabled unless a classification of GE, Recovery or Transportation Incident is selected.</p> <p>Default ERPAs are automatically selected whenever (1) a new General Emergency EAL is entered, (2) a General Emergency event is selected or (3) any met data field is updated.</p> <p>Changing a classification from a General Emergency will clear any selected ERPAs.</p>



Attachment 9.6

MEANS Windows Summary

Sheet 5 of 15

**MEANS Program Information and Functions**

Object                      Type                      Information or Functional Description

**Emergency Data Form -- Description Tab**

Description	Text Box	Provides an editable area for event information.  Text for the brief non-technical description is automatically loaded whenever an EAL # has been entered.
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**Emergency Data Form -- Part 2 Tab**

Duration	Text Box	Projected release duration entered as greater than 0 to 96 hours. The default value is four (4.00) hours. The release duration is automatically entered when DAPAR data is loaded.
Start Date	Text Box	Date the release of radioactive materials began entered as MM/DD/YY. The system date is entered as the default value.
Start Time	Text Box	Time the release of radioactive materials began entered as HHMM.
Finish Date	Text Box	Date the release of radioactive materials ended entered as MM/DD/YY.
Finish Time	Text Box	Time the release of radioactive materials ended entered as HHMM.
Bases	List Box	Available selections are: <ul style="list-style-type: none"> <li>• In-Plant Measurements</li> <li>• Field Measurements</li> <li>• Assumed Source Term</li> </ul> 'Assumed Source Term' is automatically selected when DAPAR data is loaded.
Xu/Q(s)	Text Boxes	Xu/Q values for Site Boundary, 2 miles, 5 miles and 10 miles downwind. Xu/Q values are automatically entered when DAPAR data is loaded.
TEDE(s)	Text Boxes	TEDE values for Site Boundary, 2 miles, 5 miles and 10 miles downwind. TEDE values are automatically entered when DAPAR data is loaded.
TODE(s)	Text Boxes	TODE values for Site Boundary, 2 miles, 5 miles and 10 miles downwind. TODE values are automatically entered when DAPAR data is loaded.
Noble Gas	Text Box	Noble Gas Release Rate for an airborne release in Ci/sec. The text box is enabled when an airborne release is chosen. The Noble Gas release rate is automatically entered when DAPAR data is loaded.



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MEANS Windows Summary

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Iodine	Text Box	Radioiodine Release Rate for an airborne release in Ci/sec. The text box is enabled when an airborne release is chosen. The radioiodine release rate is automatically entered when DAPAR data is loaded.
Particulate	Text Box	Particulate Release Rate for an airborne release in Ci/sec. The text box is enabled when an airborne release is chosen.
Total	Text Box	Information only (non-editable). Gives the total airborne radioactive release rate in Ci/sec.
NG:I Ratio	List Box	Available selections are: <ul style="list-style-type: none"> <li>• Assumed</li> <li>• Actual</li> </ul>
Isotopes	Text Box	List of the primary isotopes identified or presumed to be in the release. Entries can be made beyond the length of the text box however, information printed on the report will be limited by the amount of space provided on the form itself.
Volume	Text Box	Volume of radioactive liquid for a waterborne release in gallons. The text box is enabled when a waterborne release is chosen.
Concentration	Text Box	Concentration of gross radioactivity of the liquid for a waterborne release in $\mu\text{Ci/cc}$ . The text box is enabled when a waterborne release is chosen.
Total	Text Box	Information only (non-editable). Gives the total waterborne radioactive release in Curies.

**Emergency Data Form -- Field Data Tab**

Vector	Text Box	Location of the radiological sample or survey in reference to the plant. Entered as distance from plant in miles and direction from plant as sector or degrees (miles/sector or miles/degrees).
Location	Text Box	Brief physical description of the radiological sample or survey location.



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MEANS Windows Summary

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Time	Text Boxes	Time the radiological survey or sample was performed entered as HHMM.
Reading	Text Boxes	Value of the radiological survey or sample reading.
Units	Option Buttons	Available selections are: <ul style="list-style-type: none"> <li>• mR/hr</li> <li>• <math>\mu\text{Ci}/\text{cm}^2</math></li> </ul>

**DAPAR -- Main Data**

Time After S/D	Text Box	Time since reactor shutdown from 0 to 270 hours. Zero is used to indicate the reactor is still critical.
Wind Speed	Text Box	Wind speed value between 0 - 45 m/sec. Wind speed is automatically entered when Load Met data is selected.
Wind Direction	Text Box	Wind direction entered as degrees from in the range of 000° to 360°. Wind direction is automatically entered when Load Met data is selected.
Stability	Text Box	Pasquill category entered as A-G describing the applicable stability class. Stability is automatically entered when Load Met data is selected.
Unit	Option Buttons	Choose the affected Unit to ensure proper constants and conversion factors are used to calculate Release Rate.
Plant Vent	Command Button	Opens the plant vent release data window. Disabled until the meteorological information has been entered.
Air Ejector	Command Button	Opens the air ejector release data window. Disabled until the meteorological information has been entered.
MSL	Command Button	Opens the main steam line master data window. Disabled until the meteorological information has been entered.
SGBD	Command Button	Opens the steam generator blow down release data window. Disabled until the meteorological information has been entered.
Data Set(s)	Check Box	Information only (non-editable). A checked box indicates data has been entered for the applicable release point. The check box is cleared when Cancel is selected from the release point's data entry window.



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**MEANS Windows Summary**

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Calculate	Command Button	Calculates dose and determines PARs. Opens the dose rate data window. Disabled until meteorology and at least one release point have been entered.
Exit	Command Button	Closes the DAPAR main data window and returns to the main switchboard. All entries and selections are retained until the MEANS application is exited (quit).

**Release Point Data**

Method	Option Button	Available selections are: <ul style="list-style-type: none"> <li>• NG:I Ratio</li> <li>• Chem Sample</li> </ul> Establishes the method for which the radioiodine concentration is determined. NG:I Ratio is the default selection.
Flow	Text Box	Effluent flow rate in: <ul style="list-style-type: none"> <li>• CFM (cubic feet per minute for plant vent and air ejector)</li> <li>• Lbs/Hr (pounds per hour for main steam line)</li> <li>• GPM (gallons per minute for steam generator blow down)</li> </ul>
Noble Gas Reading	Text Box	Monitor or sample reading in $\mu\text{Ci/cc}$ or survey results in mR/Hr.
Vent <sup>2</sup>	Option Buttons	Available selections are: <ul style="list-style-type: none"> <li>• R-44 / R-14</li> <li>• R-27</li> <li>• Survey</li> <li>• Sample</li> </ul> Selecting the Survey option changes the reading prompt from $\mu\text{Ci/cc}$ to mR/Hr.

<sup>2</sup> The vent option buttons are only applicable to the plant vent monitored release point.



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**MEANS Windows Summary**

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Isotopic Concentrations	Text Boxes	Monitor or sample reading in $\mu\text{Ci/cc}$ or survey results in $\text{mR/Hr}$ . The text boxes are disabled until the Chem. Sample option button is selected. Data for any or all isotopes can be entered after the text box has been enabled.
Isotopic Release Rate	Text Boxes	Information only (non-editable). Shows the calculated isotopic radioiodine release rates based on the inputs for vent flow rate and isotopic concentrations when Chem. Sample is selected.
Noble Gas Release Rate	Text Box	Editable only when a R-27 vent release is selected, otherwise the field is for information only (non-editable). Shows the calculated Noble Gas release rate in $\text{Ci/sec}$ based on the inputs for effluent flow rate and monitor reading or survey/sample results.
Total Iodine Release Rate	Text Box	Information only (non-editable). Shows the total radioiodine release rate based on the inputs for vent flow rate and method selected.
Set Data	Command Button	Accepts the information in the active release point data window and returns to the main data window.
Cancel	Command Button	Deletes any release data entered in the active window and returns to the DAPAR main data window.

**MSL Summary Data**

Monitor	Command Buttons	Closes the MSL master data window and opens the selected MSL release point data window.
Set	Check Box	Information only (non-editable). A checked box indicates data has been entered for the applicable release point. The check box is cleared when Cancel is selected from the release point's data entry window.
Release Rate	Text Boxes	Information only (non-editable). Indicates the total Noble Gas and radioiodine release rates in $\text{Ci/sec}$ .
Set Data	Command Button	Accepts all of the entered MSL release data and returns to the main data window.
Cancel	Command Button	Deletes all of the entered MSL release data and returns to the main data window.

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**MEANS Windows Summary**

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**MEANS Program Information and Functions**

<b>Object</b>	<b>Type</b>	<b>Information or Functional Description</b>
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**Dose Assessment and PAR Summary**

Release Duration	Text Box	Projected release duration entered as greater than 0 to 96 hours. The default value is four (4.00) hours.
Source	Check Boxes	Information only (non-editable). Indicated the source term release point(s).
Affected Sectors	Check Boxes	Information only (non-editable). Describes the downwind sectors, which are affected under the provided meteorological data.
ERPAs	Text Button	Information only (non-editable). Illustration of the ERPAs, which meet the dose criteria for evacuation.
Release Rates	Text Boxes	Information only (non-editable). Indicates the total Noble Gas release rate and the amount of radioiodine released, which are used to determine the TODE, dose rates.
Dose Rates	Text Boxes	Information only (non-editable). Indicates the downwind Xu/Q, TEDE and TODE (in units of Rem/Hr) values.
Print/Preview	Command Button	Opens another window, which allows printing a summary. NOTE: Only printing saves dose assessments in historical data.
Export	Command Button	Saves the meteorological, dose projection and protective action recommendation information for export to the radiological emergency data forms.  The export button will automatically reset whenever any information is changed.
Done	Command Button	Closes the PAR summary window and returns to the main data window.

**Reports Information and Functions**

Report Type	Option Buttons	Available selections are: <ul style="list-style-type: none"> <li>• Dose Assessment and PAR Summary</li> <li>• Dose Rate Assessments: Summary Form</li> </ul> Affects the choices for the release points
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**MEANS Windows Summary**

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Release Point	Option Buttons	<p>Available selections are:</p> <ul style="list-style-type: none"> <li>• Plant Vent</li> <li>• MSL R-28 through R-31 (Unit 2) R-62a-d (Unit 3)</li> <li>• Air Ejector</li> <li>• SG Blowdown</li> <li>• All</li> </ul> <p>When Summary type is selected, individual release points cannot be chosen.</p>
Preview	Command Button	Opens a print preview window for the selected report type.
Print/Save	Command Button	Prints the selected report. Saves Historical Data
Done	Command Button	Closes the Reports window and returns to the DAPAR Summary window.

**EAL Selection**

Category	Option Buttons	<p>Available selections are:</p> <ol style="list-style-type: none"> <li>1.0 CSFST Status</li> <li>2.0 Reactor Fuel</li> <li>3.0 RCS</li> <li>4.0 Containment</li> <li>5.0 Radioactive Release and Area Radiation</li> <li>6.0 Electrical Failures</li> <li>7.0 Equipment Failures</li> <li>8.0 Hazards</li> <li>9.0 Other</li> </ol>
Unit	Option Button	Chooses appropriate Unit to display data for.
Sub-Category	Option Buttons	The available selection depends on the selected category.
Classifications	Text Boxes	<p>Information only (non-editable).</p> <p>Describes the number of event EALs for each classification level based on the selected sub-category.</p>



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**MEANS Windows Summary**

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
EAL #	Text Box	Information only (non-editable). Provides the EAL number of the current EAL record.
EAL Classification	Text Box	Information only (non-editable). Provides the classification level of the current EAL record.
Description	Text Box	Information only (non-editable). Provides the EAL description of the current EAL record.
Plant Modes	Command Button	Opens an information window, which provides the definitions for each plant mode.  This control is not visible until a category and sub-category have been selected.
Applicable Modes	Text Boxes	Information only (non-editable). Provides the applicable plant modes of the current EAL record.
EAL Area	N/A	Provides an area within the EAL selection window where individual EAL information is provided.  Controls common to windows based applications within this area include: <ul style="list-style-type: none"> <li>• <u>Navigation Buttons</u>: Allows navigation among records within the table. They include 'Go To First', 'Go To Previous', 'Go To Next' and 'Go To Last'.</li> <li>• <u>Record #</u>: A record number can be entered directly to go to the desired record.</li> <li>• <u>Of #</u>: Displays the number of records found to match the search criteria.</li> </ul>
Foreword	Command Button	Opens a text window, which allows scrolling through the foreword section of the EAL technical bases manual.
Description	Command Button	Opens a text window, which allows scrolling through the discussion of the selected category.  This control is disabled until a category has been selected.
Definitions	Command Button	Opens a window, which provides a list box of definitions for key words and phrases of the EAL technical bases manual.
Basis	Command Button	Opens a window, which allows for text and numeric searches of the EAL technical Bases.
Tables	Command Button	Opens a window, which allows the display the tables and attachments associated with or referenced by the EALs.



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**MEANS Windows Summary**

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Exit	Command Button	Closes the EALCIS window and returns to the MEANS interface. All entries and selections are retained until the interface itself is exited (quit).

**Foreword**

Text View Area	Vertical Scroll Bar	Allows for scrolling through the foreword. Enabled when the text area is selected by using a pointing device or the tab key.
OK	Command Button	Closes the foreword window and returns to the EAL selection window.

**Category Description**

Text View Area	Vertical Scroll Bar	Allows for scrolling through the description. Enabled when the text area is selected by using a pointing device or the tab key.
OK	Command Button	Closes the category description window and returns to the EAL selection window.

**Definitions**

Word List	List Box	Allows selection of the desired word or phrase by: <ul style="list-style-type: none"> <li>• Direct selection from the drop-down list</li> <li>• Typing directly into the text area of the list box.</li> </ul>
OK	Command Button	Closes the definitions window and returns to the EAL selection window.

**EAL Basis**

EAL Number	Text Box	Search criteria based on a desired EAL number or portion. Entry can consist of a category, subcategory or individual EAL number. Can be utilized alone or with text criteria.
Text	Text Box	Search criteria based on a desired text string. Can be utilized alone or with EAL Number criteria.
Search	Command Button	Conducts the record search based on the provided EAL number and text criteria.



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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Done	Command Button	Closes the EAL Basis window and returns to the EAL selection window.
Search Results Area	N/A	<p>Provides an area within the EAL Basis window where search results can be viewed.</p> <p>Controls common to windows based applications within the search area include:</p> <ul style="list-style-type: none"> <li>• <u>Navigation Buttons</u>: Allows navigation among records within the table. They include 'Go To First', 'Go To Previous', 'Go To Next' and 'Go To Last'.</li> <li>• <u>Record #</u>: A record number can be entered directly to go to the desired record.</li> <li>• <u>Of #</u>: Displays the number of records found to match the search criteria.</li> <li>• <u>Vertical Scroll Bar</u>: Allows scrolling through the record when the text extends beyond the length of the viewing area.</li> </ul>

**EAL Tables**

Table Buttons	Command Buttons	<p>Available selections are:</p> <ul style="list-style-type: none"> <li>• Table 4.1</li> <li>• Table 4.2</li> <li>• Table 4.3</li> <li>• Table 5.1</li> <li>• Table 5.2</li> <li>• Table 5.3</li> <li>• Table 8.2</li> <li>• Attachment A</li> </ul>
OK	Command Button	Closes the tables window and returns to the EAL selection window.

**Admin. Main Switchboard**

Object	Type	Information or Functional Description
Foreword	Command Button	Opens a text window, which allows editing of the foreword section of the EAL technical bases manual.
Category Description	Command Button	Opens a text window, which allows editing of the category descriptions.
Technical Basis	Command Button	Opens a window, which allows for text and numeric searches and editing of the EAL technical Bases.
Non-Technical Description	Command Button	Opens a window, which allows for text and numeric searches and editing of the EAL non-technical descriptions.



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**MEANS Windows Summary**

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**MEANS Program Information and Functions**

Object	Type	Information or Functional Description
Definitions	Command Button	Opens a text window, which allows the editing, and addition of definitions for key words and phrases of the EAL technical bases manual.
Exit	Command Button	Closes the application and returns to the MEANS main switchboard.



**CONTROLLED**

**COPY #** 25

**Fire Emergency Response**

Prepared by:

FRANK MITTEN      [Signature]      1/19/04  
Print Name                      Signature                      Date

Approval:

Frank Inzirillo      [Signature]      1/19/04  
Print Name                      Signature                      Date

Effective Date: 1/20/04

*This procedure excluded from further LI-100 reviews.*



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## Fire Emergency Response

### 1.0 PURPOSE

This procedure describes the actions to be taken by personnel who respond to a fire emergency at Indian Point Energy Center (IPEC). This procedure shall also be followed during normal plant operations and when a fire exists in the Radiological Controlled Area (RCA).

### 2.0 REFERENCES

- 2.1 IP-EP-AD13 IPEC Emergency Action Level Technical Bases
- 2.2 AP-64, "Site Fire Protection"
- 2.3 FP-5, "Fire Emergency"
- 2.4 FP-7, "Fire Notification Guidelines"
- 2.5 ONOP-FP-1, "Plant Fire"
- 2.6 10CFR20
- 2.7 IP-EP-115 Form EP-6, "Emergency Exposure Authorization"
- 2.8 IP-EP-115 Form EP-29, "Individual Exposure Tracking Log"

### 3.0 DEFINITIONS

- 3.1 Contamination – Radioactive material where it's not wanted
- 3.2 Control Room Operator – Licensed individual in control room operations
- 3.3 Decon – process to remove contamination from a person or piece of equipment
- 3.4 Dosimeter – Equipment used to measure radiation and provide the wearer with a reading of accumulated exposure.
- 3.5 Emergency Telephone Directory – IPEC telephone directory for emergency numbers and Emergency Response Organization. This is located on the Emergency Planning website.
- 3.6 Health Physics Technician – Trained individual in radiation protection and detection
- 3.7 NPO – Nuclear Plant Operator – non-licensed operator in the plant
- 3.8 Shift Manger – Licensed operator in charge of plant operations
- 3.9 TLD – Permanent record of an individual's radiation exposure



#### 4.0 RESPONSIBILITIES

- 4.1 When a fire is discovered, all personnel are responsible for notifying the Control Room (CR). Notification of a fire should be made using emergency phone extensions 5911 for Unit 2 and 6911 for Unit 3 and should include the caller's name along with the location and nature of the fire.
- 4.2 In accordance with ONOP-FP-1, "Plant Fire" and FP-7, "Fire Notification Guidelines: the CR is responsible for making the required notifications and sounding the fire alarm.
- 4.3 The CR is responsible for determining activation of the Emergency Plan as per the Emergency Action Levels (EALs) found in IP-EP-AD-13, "IPEC Emergency Action Level Technical Bases".
- 4.4 The Shift Manager (SM) or Emergency Director (ED) is authorized to allow fire fighters to exceed 10CFR20 limits. Emergency Exposure Authorizations (IP-EP-115 Form EP-6) shall be used.
- 4.5 "Emergency Use of Potassium Iodine (KI)", the SM or ED determines the need to issue potassium iodine (KI) tablets by discussions with HP Team Leader or ORM.
- 4.6 In accordance with "Site Fire Protection" and "Fire Emergency" the Site Fire Brigade is responsible for responding to any fire emergency at IPEC and requesting offsite fire fighting assistance, if needed.
- 4.7 In accordance with the appropriate procedures, Security is responsible for directing site personnel and offsite fire assistance, on-site, and evacuating unnecessary personnel from the fire area.
- 4.8 In accordance with this procedure, the Watch Health Physics (HP) Technician/designee is responsible for responding to any fire in the RCA.

#### 5.0 DETAILS

- 5.1 When requested by the Fire Brigade Leader and as directed by the SM CALL the Verplanck Fire Department for assistance. (Refer to the "Emergency Telephone Directory")
- 5.2 NOTIFY Security of the impending arrival of the Verplanck Fire Department.
- 5.3 ENSURE activation of the Emergency Plan as required (refer to Emergency Plan and Emergency Action Level Technical Bases).
  - 5.3.1 IF the Emergency Response Facilities (ERFs) are staffed, THEN do the following:



- 5.3.1.1.1 Via the HP Team Leader (HP TL) in the Operations Support Center (OSC), the Plant Operations Manager (POM) will assess the radiological conditions that exist at the fire scene.
- 5.3.1.1.2 Prior to dispatching the Fire Brigade, the POM shall assess the following conditions. (If radiological conditions exist where there is a potential to exceed the 10CFR20 limits, refer to IP-EP-115 Form EP-6, Emergency Exposure Authorization.
- Area dose rate < 10 R/hr.:  
The fire Brigade shall be dispatched from the CR to the fire scene. Notification shall then be made to the OSC to dispatch an HP to the fire scene to provide radiological guidance.
  - Area dose rate > 10 R/hr.:  
The POM shall designate a briefing area (e.g., entry into the RCA). Notify the OSC to dispatch an HP to the briefing location where he will provide radiological guidance. Authorize dispatch of Fire Brigade to the briefing location prior to responding to the fire scene.
- 5.3.1.1.3 CONDUCT a debriefing to ensure that the POM and OSC Manager are cognizant of the Fire Brigade actions.
- 5.4 ENSURE HP Technicians are performing all necessary duties as listed on Attachment 9.1, "Watch HP Fire Response".
- 5.8 ENSURE Security Officers are performing all necessary duties as listed on Attachment 9.2, "Security Fire Response".

NOTE

Provided full turnout gear is worn, when fighting a fire in a contaminated area, Anti-C clothing is not required to be worn by the Site Fire Brigade and offsite fire fighters.

Access through the gate at the 4<sup>th</sup> floor HP Control Point may be obtained using the key located in the glass box attached inside Fire Brigade Locker #4 on the 4<sup>th</sup> floor of the Administration Building.



6.0 INTERFACES

NONE

7.0 RECORDS

8.0 REQUIREMENTS AND COMMITMENT CROSS-REFERENCE

8.1 This procedure does not degrade any requirements or commitments

9.0 ATTACHMENTS

9.1 Watch HP Fire Response

9.2 Security Fire Response

 <b>IPEC SITE EMERGENCY PLAN IMPLEMENTING PROCEDURE</b>	<b>NON-QUALITY RELATED PROCEDURE</b>	<b>IP-1055</b> <b>Revision16</b>
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Attachment 9.1  
Watch HP Fire Response  
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1. RESPOND to all fires in the RCA and have a Self-Contained Breathing Apparatus (SCBA) available for use if needed.
2. For communications with the CR and the Fire Brigade Leader, BRING a walkie-talkie tuned to Frequency #2.
3. Upon arrival to the fire scene, NOTIFY the Fire Brigade Leader.
4. EVALUATE the location of the fire and address any radiological concerns directly to the Fire Brigade Leader at the fire scene or at a briefing designated by the POM.
5. MAKE every effort to keep exposures to fire fighters As Low AS Reasonably Achievable (ALARA).
6. When possible, CHECK all fire fighters to ensure they have the appropriate Dosimetry. If not already done, issue Dosimetry.
7. SET UP an air sampler (particulate and iodine) as close as practical to where the smoke may be venting. If available at the fire scene, use a Continuous Air Monitor (CAM) as per approved HP procedures.
8. If it becomes necessary for any fire fighter to exceed 10CFR20 limits, NOTIFY the SM/ED/POM.
9. If it becomes necessary for the offsite fire fighters to exceed Entergy Nuclear Northeast's radiation exposure limits (500 mRem per year) NOTIFY the SM/ED/POM.
10. During the fire fighting operations, EVALUATE the potential for the spread of radioactive contamination from the use of water.
11. EVALUATE airborne activity through the use of the Counting Room. If the air sample activity is greater than 3E-9 µCi/cc, an isotopic analysis is required.
12. NOTIFY the Fire Brigade Leader of any restrictions you are imposing on the fire fighters.

 <b>IPEC SITE EMERGENCY PLAN IMPLEMENTING PROCEDURE</b>	<b>NON-QUALITY RELATED PROCEDURE</b>	<b>IP-1055</b>	<b>Revision16</b>	
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Watch HP Fire Response  
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13. As directed by the SM/ED/POM OP-ORM ISSUE KI.
14. When venting smoke, ADVISE the Fire Brigade Leader as to proper control of airborne activity. Depending on the heat involved, secondary fires may arise in the ventilation system/filters. The HP and the Fire Brigade Leader should consider shutting down the ventilation system if such a possibility exists.
15. EVALUATE the need for decontamination and whole body counting of personnel as described in approved HP procedures.
16. DETERMINE if internal exposure should be assigned.
17. AFTER the fire has been extinguished, RECORD the name of each fire fighter and their TLD number on IP-EP-115 Form EP-29, "Individual Exposure Tracking Log". In addition, obtain a TLD Badge Request Form (pink slip) from Dosimetry and complete it at this time.
  - IF the SM/ED/POM has authorized an extension to receive emergency personnel exposure above 10CFR20 limits, THEN complete IP-EP-115 Form EP-6, "Emergency Exposure Authorization".
  - RETURN completed forms to the Dosimetry Office.
18. Before allowing the fire fighters to leave the RCA for the last time, CHECK them, their clothing and equipment for possible contamination as per approved HP procedures.

NOTE

In order to prevent interference with fire fighting efforts, repeated exits from the RCA WITHOUT frisking is permitted.

19. All clothing and equipment which is not permitted to be removed from the RCA due to contamination should be INVENTORIED for compensation.

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Attachment 9.2

Security Fire Response

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1. DIRECT responding Unit 2 personnel and offsite fire fighters and accompanying apparatus' through the nearest gate to the fire area.
  
2. IF responding to the fire, WEAR a SCBA.
  
3. EVACUATE unnecessary personnel from the fire area.
  
4. IF fire is located in the RCA, THEN do the following:
  - ENSURE access for Fire Brigade at 4<sup>th</sup> floor HP Control Point.
  - ENSURE the Fire Truck is given the Fire Fighter Kit located at the Main Gate Security Station.