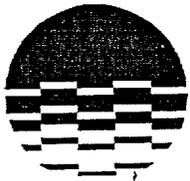


## DISTRIBUTION CONTROL LIST

Document Name: EMER PLAN

CC_NAME	NAME	DEPT	LOCATION
1	PLANT MANAGER'S OFFICE	UNIT 3 (UNIT 3/IPEC ONLY)	45-3-B
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 (UNIT 3/IPEC ONLY)	45-3-F
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	RECORDS	45-3-F
22	RESIDENT INSPECTOR	US NRC (UNIT 3/IPEC ONLY)	45-2-B
23	MCNAMARA N	NRC (ALL EP'S)	OFFSITE
24	MCNAMARA N	NRC (ALL EP'S)	OFFSITE
25	DOCUMENT CONTROL DESK	NRC (ALL EP'S)	OFFSITE
28	AVRAKOTOS N	J A (UNIT 3/IPEC ONLY)	OFFSITE
29	E-PLAN STAFF	E-PLAN (ALL EP'S)	EOF
30	E-PLAN STAFF	E-PLAN (ALL EP'S)	EOF
31	BARANSKI J (VOLUME I ONLY)	ST. EMERG. MGMT. OFFICE	OFFSITE
32	SUTTON A - (VOLUME I ONLY)	DISASTER & EMERGENCY	WESTCHESTR
33	LONGO N (VOLUME I ONLY)	EMERGENCY SERVICES	ROCKLAND
34	GREENE D (VOLUME I ONLY)	DISASTER & CIVIL DEFENSE	ORANGE
35	RAMPOLLA M (VOLUME I ONLY)	OFFICE OF EMERG MANAGE	PUTNAM
41	SIMULATOR	TRAIN (UNIT 3/IPEC ONLY)	48-2-A
107	QA MANAGER	QA (UNIT 3/IPEC)	TRL #2A
319	C.STELLATO (NRQ-OPS TRN)	NRQ (UNIT 3/IPEC ONLY)	#48
354	L.GRANT (LRQ-OPS/TRAIN)	LRQ (UNIT 3/IPEC ONLY)	#48
376	E-PLAN STAFF	E-PLAN (ALL EP'S)	EOF
424	J.CHIUSANO (OPS INSTR)	(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	C.STELLATO (NRQ-OPS TRN)	NRQ (UNIT 3/IPEC ONLY)	#48
513	C.STELLATO (NRQ-OPS TRN)	NRQ (UNIT 3/IPEC ONLY)	#48
517	PLANT MANAGER'S OFFICE	ADMIN/ (UNIT 2/IPEC ONLY)	IP2
518	TSC	UNIT 2 (UNIT 2/IPEC ONLY)	IP2
520	CONTROL ROOM (UNIT 2)	OPS (UNIT 2 & IPEC ONLY)	IP2
521	SIMULATOR	TRAIN (UNIT 2/IPEC ONLY)	IP2
522	NRC RESIDENT	US NRC (UNIT 2/IPEC ONLY)	IP2
523	ROBERT VOGLE (UNIT 2)	TRAIN/LIB (ALL EP'S)	TODDVILLE
524	JOHN MCCANN (UNIT 2)	NUC SAFETY/LIC (ALL EP'S)	IP2

A045



# Entergy

Indian Point 3

AP-18.2  
Revision 10

Attachment 1  
Page 1 of 1

		<b>CONTROLLED DOCUMENT TRANSMITTAL FORM</b>	
<b>TO: DISTRIBUTION</b>		<b>DATE 11/8/2002</b>	<b>TRANSMITTAL NO: 27429</b>
<b>FROM: IP3 DOCUMENT CONTROL GROUP</b>			<b>EXTENSION: 2038</b>
<p>The Document(s) identified below are forwarded for use. In accordance with AP-18.2, 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>			
<b>AFFECTED DOCUMENT :</b>		<b>EMERGENCY PLAN PROCEDURES:</b>	<b>UNIT 2</b>
<b>DOC #</b>	<b>REV #</b>	<b>TITLE</b>	<b>INSTRUCTIONS</b>
<p>*****<b>FOLLOW ATTACHED INSTRUCTIONS</b>*****</p> <p><b>*PLEASE NOTE EFFECTIVE DATES*</b></p>			
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TO: Nuclear Regulatory Commission 25  
 FROM: IPEC Emergency Planning # 27429  
 SUBJECT: Emergency Planning Document Update

Date: 10/31/02

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

Please sign this memo indicating that you have completed the update as specified and return to:

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 Indian Point Nuclear Generating Station  
 Records and Documents Department  
 Broadway & Bleakley Aves.  
 Buchanan, NY 10511  
 Attn: Document Custodian

Document #	Document Name	New Rev. #/ Date	Old Rev. #/ Date	Instructions
U2	EP Implementing Procedures			
TOC	Emergency Plan Implementing Procedures Table of Contents	10/31/02	10/09/02	Replace entire document
IP-1010	Central Control Room	8 10/31/02	7 9/23/02	Replace entire document
IP-1026	Emergency Data Display	1 10/31/02	0 1/12/01	Replace entire document

Update completed as specified:

\_\_\_\_\_  
 Signature of Controlled Copy Holder

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 Date

## Unit 2 Emergency Plan Implementing Procedures Table of Contents

Procedure No.	Procedure Title	Rev. No.	Effective Date
IP-1001	Mobilization of Onsite Emergency Organization	13	5/25/01
IP-1002	Emergency Notification and Communication	28	8/21/02
IP-1003	Planned Discharge of Containment Atmosphere During Accident Conditions	7	4/16/01
IP-1004	Post Accident Offsite Environmental Surveys, Sampling and Counting	5	9/1/99
IP-1007	<b>Cancelled – Replaced by IP-EP-310</b>	-	-
IP-1008	Personnel Radiological Check and Decontamination	7	4/29/02
IP-1009	Radiological Check and Decontamination of Vehicles	7	9/1/99
IP-1010	Central Control Room	8	10/31/02
IP-1011	Joint News Center	8	8/29/02
IP-1012	Onsite Medical Emergency	10	5/25/01
IP-1013	<b>Cancelled – Replaced by IP-EP-410</b>	-	-
IP-1014	Radiological Check of Equipment Before It Leaves the Site	6	9/1/99
IP-1015	Radiological Surveys Outside the Protected Area (Title Change)	10	9/19/02
IP-1016	<b>Cancelled – Replaced by IP-EP-510</b>	-	-
IP-1019	Coordination of Corporate Response	10	9/6/01
IP-1020	Airborne Activity Determination	8	01/12/01
IP-1021	<b>Cancelled</b>	-	-
IP-1022	<b>Cancelled – Replaced by IP-EP-510</b>	-	-
IP-1023	Operations Support Center (OSC)	19	8/21/02
IP-1024	Emergency Classification	11	7/11/02
IP-1025	<b>Cancelled</b>	-	-
IP-1026	Emergency Data Acquisition	1	10/31/02
IP-1027	Personnel Accountability and Evacuation	17	8/21/02
IP-1030	Emergency Operations Facility (EOF)	7	9/23/02
IP-1033	<b>Cancelled – Replaced by IP-EP-520</b>	-	-
IP-1035	Technical Support Center (TSC)	17	9/23/02

## Unit 2 Emergency Plan Implementing Procedures Table of Contents

Procedure No.	Procedure Title	Rev. No.	Effective Date
IP-1036	Cancelled – Replaced by IP-EP-620	-	-
IP-1037	Cancelled – Replaced by IP-EP-510	-	-
IP-1039	Offsite Contamination Checks	9	01/12/01
IP-1045	Cancelled – Replaced by IP-EP-251	-	-
IP-1047	Cancelled – Replaced by IP-EP-510	-	-
IP-1048	Cancelled – Replaced by IP-EP-610	-	-
IP-1050	Security	4	8/21/02

Emergency Data Acquisition

**CONTROLLED**

**COPY # 25**

Prepared by:

Steve Hook      *SHook*      10/29/02  
Print Name      Signature      Date

Approval:

Frank Inzirillo      *F. Inzirillo*      10/30/02  
Print Name      Signature      Date

**Reference Use**

Effective Date: 10/31/02  
Extensive Revision

Table of Contents

1.0 PURPOSE ..... 3

2.0 DISCUSSION ..... 3

3.0 PRECAUTIONS AND LIMITATIONS ..... 3

4.0 EQUIPMENT AND MATERIALS ..... 3

5.0 INSTRUCTIONS..... 4

    5.1 TSC Data Coordinator ..... 4

    5.2 CCR Data Logger

6.0 REFERENCES ..... 4

7.0 ATTACHMENTS

    7.1 Attachment #1, EDDS/ERDS Dataset Display Data..... 5

8.0 ADDENDUM

    8.1 Addendum #1, Plant Parameters-42A (Form IP-1026-1) ..... 9

    8.2 Addendum #2, Equipment Status-42B (Form IP-1026-2)..... 10

    8.3 Addendum #3, Radiological Data-42C (Form IP-1026-3)..... 11

## Emergency Data Acquisition

### 1.0 PURPOSE

The purpose of this procedure is to provide instruction on operation of the Emergency Data Display System (EDDS).

### 2.0 DISCUSSION

- 2.1 The Emergency Data and Display System (EDDS) at IP2 is implemented as a local website (an Intranet). Within this website are data files containing the current and historical data, a WEB server and a set of interconnected WEB pages that are available on the Indian Point Computer Network (LAN). Loss of the IP-2 LAN in an emergency only affects the viewing stations located in the TSC and EOF.
- 2.2. Approximately 50% of the data needed for the EDDS functions are not available in the Plant Integrated Computer System (PICS). This data must be input manually during an emergency or emergency drill. A manual input station software is located in the Central Control Room / Simulator Control Room that provides an input screen for the manual overlay data. EDDS displays plant data on three (3) monitors:
- 2.2.1 Plant Parameters (Form 42a) – contains values for vital plant systems, such as RCS temperatures and pressures, S/G Levels and Pressures, Containment Temperature and pressure.
- 2.2.2 Equipment Status (Form 42b)– contains information on the condition (Stand-by, Operating or Out of Service) of vital plant equipment.
- 2.2.3 Radiological Data (Form 42c)– contains values of various plant radiological monitoring systems.
- 2.3. The Emergency Response Data System (ERDS) provides continuous critical plant data to the NRC during emergency conditions once activated. The primary ERDS function is a sub-function of the PICS. Activating ERDS is simply a matter of having PICS make a connection to the NRC and transmitting the predefined set of ERDS data every 15 seconds using a special ERDS protocol.
- 2.4. Once the TSC is activated, the TSC Data Coordinator shall activate the ERDS link to the NRC over special telephone lines. The TSC Data Coordinator is responsible for establishing and maintaining the ERDS data link as part of TSC activation and operation.

### 3.0 PRECAUTIONS AND LIMITATIONS

- 3.1 The system may be aligned to receive data from the Simulator for drill purposes. Ensure actual plant data is displayed during real events.

### 4 EQUIPMENT AND MATERIALS

NONE

**5 INSTRUCTIONS**

- 5.1 The TSC Data Coordinator activities supporting PICS, EDDS and ERDS are provided in IP-1035, Attachment 8, TSC Data Coordinator Checklist.
- 5.2 CCR Data Logger activities supporting the input of data into PICS and/or the transmission of required data to the TSC is provided in IP-1010, Attachment 4, CCR Data Logger Checklist

**NOTE**

The manual input stations are located in the control room (CCR) for real plant data and in the simulator CCR for the simulator.

**6 REFERENCES**

- 6.1 EDDS-UG, Emergency Data Display System Users Guide for the IP2 Nuclear Plant, Capri Technology, Inc.

**7 ATTACHMENTS**

- 7.1 Attachment 1, EDDS/ERDS Dataset Display Data

**8 ADDENDUM**

- 8.1 Plant Parameters-42A (Form IP-1026-1)
- 8.2 Equipment Status-42B (Form IP-1026-2)
- 8.3 Radiological Data-42C (Form IP-1026-3)

Attachment 1'  
EDDS/ERDS Dataset Display Data  
Sheet 1 of 4

## SAS Form 42(A) Display

Description	Units	ERDS	Point ID	Range
Reactor Shutdown	Y/N		RXTRIP	Y/N
NIS Power Range	%	*	UA073	0 → 100%
NIS Interim RGE 35	Amps	*	UA035	1E-11 → 1E+3
NIS Interim RGE 36	Amps	*	UA036	1E-11 → 1E+3
NIS Source RGE 31	cps	*	UA030	1E0 → 1E+6
NIS Source RGE 32	cps	*	UA031	1E0 → 1E+6
RCS Incore T/C Center (T0016)	Deg F		UA132	32 → 2300
RCS Incore T/C 5th Highest	Deg F	*	UA017	32 → 2300
RCS Press	Psig	*	UA020	1700 → 2500
RCS Avg Temp	Deg F		UA093	541 → 565
RCS Cold Leg Temp	Deg F		UA079	0 → 700
Sat Meter Margin	Deg F	*	UA121	-488 → +696
All RCPs In Service	Y/N		NRRCPs	Y/N
Pressurizer Level	%		UA004	0 → 100
Reactor Vessel Level	%	*	UA021	0 → 120
S/G Levels #21	%		UA013	0 → 100
S/G Levels #22	%		UA014	0 → 100
S/G Levels #23	%		UA015	0 → 100
S/G Levels #24	%		UA016	0 → 100
S/G Press #21	Psig	*	UA005	0 → 1400
S/G Press #22	Psig	*	UA006	0 → 1400
S/G Press #23	Psig	*	UA007	0 → 1400
S/G Press #24	Psig	*	UA008	0 → 1400
VC Press	Psig	*	UA046	-5 → +75
VC Temp	Deg F	*	UA060	50 → 120
VC Sump Level Elev.	Ft		UA045	38.7 → 56.75
VC Hydrogen	%	*	UA058	0 → 10
Aux FW Flow SG 21	Gpm	*	UA041	0 → 450
Aux FW Flow SG 22	Gpm	*	UA042	0 → 450
Aux FW Flow SG 23	Gpm	*	UA043	0 → 450
Aux FW Flow SG 24	Gpm	*	UA044	0 → 450
RWST Level	Ft	*	UA063	0 → 40
Cond Stor TK Level	Ft		UA064	0 → 45

Attachment 1  
EDDS/ERDS Dataset Display Data  
Sheet 2 of 4

SAS Form 42(B) Display

Description	Units	Point ID
Offsite Pwr Avail -- 138KV	O/S/OS	ED001
Offsite Pwr Avail -- 13.8KV	O/S/OS	ED002
6900 Volt -- Bus No. 1	O/S/OS	ED003
6900 Volt -- Bus No. 2	O/S/OS	ED004
6900 Volt -- Bus No. 3	O/S/OS	ED005
6900 Volt -- Bus No. 4	O/S/OS	ED006
6900 Volt -- Bus No. 5	O/S/OS	ED007
6900 Volt -- Bus No. 6	O/S/OS	ED008
480 Volt -- Bus 2A	O/S/OS	OD8081
480 Volt -- Bus 3A	O/S/OS	OD8082
480 Volt -- Bus 5A	O/S/OS	OD8083
480 Volt -- Bus 6A	O/S/OS	OD8084
Emergency Diesels -- DG21	O/S/OS	OD8001
Emergency Diesels -- DG22	O/S/OS	OD8002
Emergency Diesels -- DG23	O/S/OS	OD8003
Gas Turbines -- GT1	O/S/OS	ED009
Gas Turbines -- GT2	O/S/OS	ED010
Gas Turbines -- GT3	O/S/OS	ED011
SIS Pumps -- No. 21	O/S/OS	ED012
SIS Pumps -- No. 22	O/S/OS	ED013
SIS Pumps -- No. 23	O/S/OS	ED014
RHR Pumps -- No. 21	O/S/OS	ED015
RHR Pumps -- No. 22	O/S/OS	ED016
Charging Pumps -- No. 21	O/S/OS	ED017
Charging Pumps -- No. 22	O/S/OS	ED018
Charging Pumps -- No. 23	O/S/OS	ED019
RX Cool Pumps -- No. 21	O/S/OS	ED020
RX Cool Pumps -- No. 22	O/S/OS	ED021
RX Cool Pumps -- No. 23	O/S/OS	ED022
RX Cool Pumps -- No. 24	O/S/OS	ED023
Comp Cool Pumps -- No. 21	O/S/OS	ED024
Comp Cool Pumps -- No. 22	O/S/OS	ED025
Comp Cool Pumps -- No. 23	O/S/OS	ED026
Aux Comp Cool Pumps -- No. 21	O/S/OS	ED027
Aux Comp Cool Pumps -- No. 22	O/S/OS	ED028
Aux Feedwater Pumps -- No. 21	O/S/OS	ED029
Aux Feedwater Pumps -- No. 22	O/S/OS	ED030
Aux Feedwater Pumps -- No. 23	O/S/OS	ED031
Cont Spray Pumps -- No. 21	O/S/OS	ED032
Cont Spray Pumps -- No. 22	O/S/OS	ED033
Recirc Pumps -- No. 21	O/S/OS	ED034

Attachment 1  
EDDS/ERDS Dataset Display Data  
Sheet 3 of 4

SAS Form 42(B) Display (continued)

Description	Units	Point ID
Recirc Pumps -- No. 22	O/S/OS	ED035
Serv Water Pumps -- No. 21	O/S/OS	FD8041
Serv Water Pumps -- No. 22	O/S/OS	FD8042
Serv Water Pumps -- No. 23	O/S/OS	FD8043
Serv Water Pumps -- No. 24	O/S/OS	FD8044
Serv Water Pumps -- No. 25	O/S/OS	FD8045
Serv Water Pumps -- No. 26	O/S/OS	FD8046
Circ Water Pumps -- No. 21	O/S/OS	ED036
Circ Water Pumps -- No. 22	O/S/OS	ED037
Circ Water Pumps -- No. 23	O/S/OS	ED038
Circ Water Pumps -- No. 24	O/S/OS	ED039
Circ Water Pumps -- No. 25	O/S/OS	ED040
Circ Water Pumps -- No. 26	O/S/OS	ED041
Condensate Pumps -- No. 21	O/S/OS	ED042
Condensate Pumps -- No. 22	O/S/OS	ED043
Condensate Pumps -- No. 23	O/S/OS	ED044
Comp Cool Ht Exch -- No. 21	O/S/OS	ED045
Comp Cool Ht Exch -- No. 22	O/S/OS	ED046
RHR Ht Exch -- No. 21	O/S/OS	ED047
RHR Ht Exch -- No. 22	O/S/OS	ED048
Fan Cooler Units -- No. 21	O/S/OS	ED049
Fan Cooler Units -- No. 22	O/S/OS	ED050
Fan Cooler Units -- No. 23	O/S/OS	ED051
Fan Cooler Units -- No. 24	O/S/OS	ED052
Fan Cooler Units -- No. 25	O/S/OS	ED053
VC Isol Phase A	Y/N	ED054
VC Isol Phase B	Y/N	ED055
VC Isol Vent	Y/N	ED056
Exceptions	text <33 chars	EXCEP
Hi Hd SIS Flo -- No. 21 (2)	Gpm	F8001
Hi Hd SIS Flo -- No. 22 (2)	Gpm	F8002
Hi Hd SIS Flo -- No. 23 (2)	Gpm	F8003
Hi Hd SIS Flo -- No. 24 (2)	Gpm	F8004
Lo Hd SIS Flo -- No. 21	Gpm	F6096
Lo Hd SIS Flo -- No. 22	Gpm	F6097
Lo Hd SIS Flo -- No. 23	Gpm	F6098
Lo Hd SIS Flo -- No. 24	Gpm	F6099
Accum Level -- No. 21	%	X0001
Accum Level -- No. 22	%	X0002
Accum Level -- No. 23	%	X0003
Accum Level -- No. 24	%	X0004

Attachment 1  
EDDS/ERDS Dataset Display Data  
Sheet 4 of 4

SAS Form 42(C) Display

Description	Units	ERDS (1)	Point ID	Range
R5987 Brk Svc Acc Area Mon	Mr/Hr		R5987	1E-1 → 1E2
R-1 CCR	Mr/Hr		R0001	1E-1 → 1E+4
R-2 VC 80'	Mr/Hr		R0002	1E-1 → 1E+4
R-4 Chrg Pump	Mr/Hr		R0004	1E-1 → 1E+4
R-5 F.S.B.	Mr/Hr		R0005	1E-1 → 1E+4
R-6 Sample Rm	Mr/Hr		R0006	1E-1 → 1E+4
R-7 Vc Seal Table	Mr/Hr		R0007	1E-1 → 1E+4
R-41 Cont Air Monitor (Par)	uci/cc		R0041	1E-12 → 1E-6
R-42 Cont Air Monitor (Gas)	uci/cc		R0042	1E-7 → 1E-2
R-43 Plant Vent Air Mon (Par)	uci/cc		R0043	1E-12 → 1E-2
R-44 Plant Vent Air Mon (Gas)	uci/cc		R0044	1E-8 → 1E-2
R-44 Vent Iodine	uci/cc		X0005	Manual Entry
R-45 Air Ejector	uci/cc	UA094	R0045	1E-6 → 1.4E-3
R-46 F.C. Water	uci/cc		R0046	1E-7 → 5E-5
R-47 Comp. Cool	uci/cc		R0047	1E-7 → 1E-4
R-48 Liq. Waste	uci/cc	UA199	R0048	1E-7 → 2.1E-4
R-49 S/G B.D.	uci/cc	UA095	R0049	1E-7 → 3.3E-4
R-53 F.C. Water	uci/cc		R0053	1E-7 → 5E-4
R-25 VC Hi-Rge	R/Hr	UA047	R0025	1 → 1E+7
R-26 VC Hi-Rge	R/Hr	UA048	R0026	1 → 1E+7
R-27 Vent Monitor	uci/cc		KR028	Manual Entry
R-27 Vent Flow Rate	Cfm		KR027	Manual Entry
R-27 Vent Disch. Rate	uci/sec	UA200	R0027	1E+1 → 1E+13
Main Stm #21 Rad Mon	Cpm	UA115	R0028	1E+1 → 1E+6
Main Stm #22 Rad Mon	Cpm	UA116	R0029	1E+1 → 1E+6
Main Stm #23 Rad Mon	Cpm	UA117	R0030	1E+1 → 1E+6
Main Stm #24 Rad Mon	Cpm	UA118	R0031	1E+1 → 1E+6
Vent Flow Rate	Cfm		KF001	Manual Entry
Main Stm Exh	Lbs/Hr		KF002	Manual Entry
Air Ejector	Cfm		KF003	Manual Entry
Wind Speed - ground	M/sec	M8002	M8002	0 → 44.7
Wind Direction (0-360) - ground	Deg	M8012	M8012	0 → 360
Pasquil Category	A->G		X0006	Manual Entry

Notes: (1) If the name in this column is different from the Point ID name, then the value sent to ERDS comes from a different location in the data block.

Addendum 1  
Plant Parameters-42A (Form IP-1026-1)  
Sheet 1 of 1

Plant Parameters – 42A

Parameter	Time						
Reactor Shutdown	Y/N						
NIS Power Range	%						
NIS Interm. Rg. 35	Amps						
NIS Interm. Rg. 36	Amps						
NIS Source Rg. 31	CPS						
NIS Source Rg. 32	CPS						
RCS Incore T/C Center	°F						
RCS Incore T/C 5th Highest	°F						
RCS Press	PSIG						
RCS Avg. Temp.	°F						
RCS Cold Leg Temp.	°F						
SAT. Meter Margin	°F						
All RCPs in Service	Y/N						
Pressurizer Level	%						
Reactor Vessel Level	%						
S/G Levels (NR) #21	%						
#22	%						
#23	%						
#24	%						
S/G Press #21	PSIG						
#22	PSIG						
#23	PSIG						
#24	PSIG						
VC Press	PSIG						
VC Temp.	°F						
VC Sump Level Elev.	FT.						
VC Hydrogen	%						
Aux. FW Flow SG 21	GPM						
Aux. FW Flow SG 22	GPM						
Aux. FW Flow SG 23	GPM						
Aux. FW Flow SG 24	GPM						
R.W.S.T. Level	FT.						
Cond. Stor. Tk. Level	FT.						

Form IP-1026-1 Rev 1

Addendum 2  
Equipment Status-42B (Form IP-1026-2)  
Sheet 1 of 1

Equipment Status – 42B

Parameter		Time		Parameter		Time	
Offsite Pwr. Avail	138KV			Service Water Pumps	#21		
	13.8KV				#22		
6900 Volt	BUS NO. 1				#23		
	BUS NO. 2				#24		
	BUS NO. 3				#25		
	BUS NO. 4				#26		
	BUS NO. 5			Circ Water Pumps	#21		
	BUS NO. 6				#22		
480 Volt	BUS NO. 2A				#23		
	BUS NO. 3A				#24		
	BUS NO. 5A				#25		
	BUS NO. 6A				#26		
Emergency D/Gs	#21			Condensate Pumps	#21		
	#22				#22		
	#23				#23		
Gas Turbines	GT-1			Comp Cool Heat Exch	#21		
	GT-2				#22		
	GT-3			RHR Heat Exch.	#21		
SIS Pumps	#21				#22		
	#22			Fan Cooler Units	#21		
	#23				#22		
RHR Pumps	#21				#23		
	#22				#24		
Charging Pumps	#21				#25		
	#22						
	#23			VC Isol. Phase A	(Y/N)		
Rx Coolant Pumps	#21			VC Isol. Phase B	(Y/N)		
	#22			VC Isol. Vent.	(Y/N)		
	#23						
	#24			Exceptions			
Component Cool Pumps	#21						
	#22						
	#23			Hi Hd SIS Flow	#21 (GPM)		
Aux Comp Cool Pumps	#21				#22 (GPM)		
	#22				#23 (GPM)		
Aux Feed Water Pumps	#21				#24 (GPM)		
	#22			Lo Hd SIS Flow	#21 (GPM)		
	#23				#22 (GPM)		
Cont Spray Pumps	#21				#23 (GPM)		
	#22				#24 (GPM)		
Recir Pumps	#21			Accumulator Level	#21 ( % )		
	#22				#22 ( % )		
					#23 ( % )		
					#24 ( % )		

S = Stand By

O = Operating

OS = Out of Service

Form IP-1026-2 Rev 0

Addendum 3  
Radiological Data-42C (Form IP-1026-3)  
Sheet 1 of 1

**Radiological Data 42C**

Parameter	Time	Time	Time	Time	Time	Time	Time
R-5987 MCC 98'	mR/hr						
R-1 CCR	mR/hr						
R-2 VC 80'	mR/hr						
R-4 Charging Pump	mR/hr						
R-5 F.S.B.	mR/hr						
R-6 Sample Room	mR/hr						
R-7 VC Seal Table	mR/hr						
R-41 VC Part.	µCi/cc						
R-42 VC Gas	µCi/cc						
R-43 Vent Part.	µCi/cc						
R-44 Vent Gas	µCi/cc						
**R-44 VENT I-131	µCi/cc						
R-45 Air Ejector	µCi/cc						
R-46 F.C. Water	µCi/cc						
R-47 Comp. Cool.	µCi/cc						
R-48 Liq. Waste	µCi/cc						
R-49 S/G B.D.	µCi/cc						
R-53 F.C. Water	µCi/cc						
R-25 VC Hi-Rge.	R/hr						
R-26 VC Hi-Rge.	R/hr						
**R-27 Vent Monitor	µCi/cc						
**R-27 Vent Flow Rate	CFM						
R-27 Vent Disch. Rate	µCi/sec						
R-28 Main Steam Rad Mon.	CPM						
R-29 Main Steam Rad Mon.	CPM						
R-30 Main Steam Rad Mon.	CPM						
R-31 Main Steam Rad Mon.	CPM						
**Vent Flow Rate	CFM						
**Main Steam Exh.	LB/HR						
**Air Ejector (meas. Value)	CFM						
Wind Speed	m/sec						
Wind Direction	Deg						
**Pasquill Category	(A - G)						

\*\* Manual entry in PICS

Form IP-1026-3 Rev 1

**CONTROLLED**

**COPY #** 25

**CENTRAL CONTROL ROOM (CCR)**

Prepared by:

Steve Hook  
Print Name

[Signature]  
Signature

10/30/02  
Date

Approval:

Frank Inzirillo  
Print Name

[Signature]  
Signature

10/30/02  
Date

**Reference Use**

Effective Date: 10/31/02

### Table of Contents

1.0 PURPOSE ..... 3

2.0 DISCUSSION ..... 3

3.0 PRECAUTIONS AND LIMITATIONS ..... 3

4.0 EQUIPMENT AND MATERIALS ..... 3

5.0 INSTRUCTIONS ..... 3

    5.1 Shift Manager (SM) ..... 3

    5.2 Response to Emergencies at Unit 3 ..... 3

    5.3 Security Event ..... 3

    5.4 CCR Communicator ..... 4

    5.5 CCR-TSC Communicator ..... 4

    5.6 CCR Data Logger ..... 4

    5.7 Watch Health Physics Technician (WHPT) ..... 4

6.0 REFERENCES ..... 4

7.0 ATTACHMENTS

    7.1 Attachment 1, Shift Manager (Emergency Director) Checklist ..... 5

    7.2 Attachment 2, CCR Communicator Checklist ..... 14

    7.3 Attachment 3, CCR-TSC Communicator Checklist ..... 18

    7.4 Attachment 4, CCR Data Logger Checklist ..... 20

    7.5 Attachment 5, Watch Health Physics Technician Checklist ..... 23

    7.6 Attachment 6, Unit 2 Support for a Unit 3 Emergency Checklist ..... 26

    7.7 Attachment 7, Shift Manager (Emergency Director) Security Event Checklist ..... 30

8.0 ADDENDUM

    None

**CENTRAL CONTROL ROOM (CCR)****1.0 PURPOSE**

To describe emergency response activities and operations of the Central Control Room (CCR).

To provide guidance for the response to emergencies declared at Unit 3.

**2.0 DISCUSSION**

None

**3.0 PRECAUTIONS AND LIMITATIONS**

None

**4.0 EQUIPMENT AND MATERIALS**

The following types of equipment and materials are utilized for emergency response in the CCR:

4.1 PICS for accessing plant data.

4.2 MEANS Computer program for performing dose assessment, protective action recommendations and preparing Part I and II NYS Radiological Data Forms.

4.3 Plant Procedures

4.4 Plant Drawings

4.5 Emergency Communication Systems (in addition to normally available systems)

4.5.1 Emergency Management Hotline (SM-EPM-ED)

4.5.2 CCR/TSC/EOF 3-way Ring-down line (CCR-TSC Communicator)

4.5.3 Radiological Emergency Communications System (RECS)

4.5.4 FTS-2001 Emergency Notification System - (NRC)

4.5.5 Local Government Radio (backup to RECS)

4.5.6 Emergency Plan pre-programmed facsimile machine

**5.0 INSTRUCTIONS**

5.1 For a Unit 2 emergency, the Shift Manager (SM) shall follow the instructions outlined in Attachment 1, Shift Manager (Emergency Director) Checklist.

5.2 For a Unit 3 emergency, the Shift Manager (SM) shall follow the instructions outlined in Attachment 6, Unit 2 Response to a Unit 3 Emergency Checklist.

5.3 For a Security emergency, the Shift Manager (SM) shall follow the instructions outlined in Attachment 7, Shift Manager (Emergency Director) Security Event Checklist.

- 5.4 The CCR Communicator shall follow the instructions outlined in Attachment 2, CCR Communicator Checklist.
- 5.5 The CCR-TSC Communicator shall follow the instructions outlined in Attachment 3, CCR-TSC Communicator Checklist.
- 5.6 The CCR Data Logger shall follow the instructions outlined in Attachment 4, CCR Data Logger Checklist.
- 5.7 The Watch Health Physics Technician shall follow the instructions outlined in Attachment 5, Watch Health Physics Technician Checklist.

**6.0 REFERENCES**

- 6.1 IP-1001, "Mobilization of Onsite Emergency Organization"
- 6.2 IP-1002, "Emergency Notification and Communication"
- 6.3 IP-1024 "Emergency Classification"
- 6.4 IP-1027 "Personnel Accountability and Evacuation"
- 6.5 IP-EP-310 "Dose Assessment"
- 6.6 IP-EP-410 "Protective Action Recommendations"
- 6.7 IP-EP-610 "Termination and Recovery"

**7.0 ATTACHMENTS**

- 7.1 Attachment 1, Shift Manager (Emergency Director) Checklist.
- 7.2 Attachment 2, CCR Communicator Checklist
- 7.3 Attachment 3, CCR-TSC Communicator Checklist
- 7.4 Attachment 4, CCR Data Logger Checklist
- 7.5 Attachment 5, Watch Health Physics Technician Checklist
- 7.6 Attachment 6, Unit 2 Response to a Unit 3 Emergency Checklist
- 7.7 Attachment 7, Shift Manager (Emergency Director) Security Event Checklist

**8.0 ADDENDUM**

NONE

Attachment 1

Shift Manager (Emergency Director) Checklist

Sheet 1 of 9

Initial Responsibility/Activity	Notes
<p><b>1.0 Classification of the Emergency</b>                      Authority to classify and declare an emergency is reserved solely for the Emergency Director and may not be delegated. The SM in the role of Emergency Director makes the initial emergency classification.</p> <p>1.1 Classify the emergency condition in accordance with IP-1024 "Emergency Classification".</p> <p>1.2 <b>IF</b> a General Emergency is declared, <b>THEN</b> protective action recommendations must be made in accordance with IP-EP-410, Protective Action Recommendations.</p> <p>1.3 Declare the emergency and announce the classification to Control Room personnel.</p> <p>1.4 Ensure Unit 3 Control Room is notified of the emergency classification.</p> <p>1.5 At an Alert or higher classification, ensure the Unit 3 Site Assembly alarm is sounded (coordinate with Unit 3 CCR).</p> <p><b>2.0 Notification – Unusual Event</b>                      State and local authorities shall be notified within 15 minutes of emergency declaration.</p> <p>2.1 <b>IF</b> the initial emergency classification is an Alert or higher <b>THEN</b> proceed to step 3.0.</p> <p>2.2 Ensure CCR Communicator to available. <b>IF</b> CCR Communicator is unavailable <b>THEN</b> direct a qualified individual to serve as CCR Communicator.</p> <p>2.3 Complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p> <p>2.4 Direct notification of offsite authorities by providing the completed and signed NYS Radiological Data Form Part I to the CCR Communicator.</p> <p>2.5 Determine if Emergency Response Organization mobilization is needed or if Emergency Response Organization should receive event notification only:</p> <p>A. <b>IF</b> based on Shift Manager (Emergency Director) judgment the Emergency Response Organization should be activated, <b>THEN</b> direct the CCR Communicator use <b>Envelope B</b> "Unit 2 ERO Mobilization" envelope as indicated on Form IP-1002-1 "CCR NUE Notification Checklist."</p> <p>B. <b>IF</b> based on Shift Manager (Emergency Director) judgment the Emergency Response Organization should be called and notified only, <b>THEN</b> direct the CCR Communicator use <b>Envelope C</b> "Unit 2 ERO Event Notification" envelope as indicated on Form IP-1002-1 "CCR NUE Notification Checklist."</p>	

Attachment 1  
Shift Manager (Emergency Director) Checklist

Sheet 2 of 9

Initial Responsibility/Activity(cont.)	Notes
<p><b>3.0 Notification &amp; Mobilization - Alert, Site Area or General Emergency</b></p> <p>Once the EOF is activated, all offsite communications shall be performed by the EOF staff. The following steps are for initial classification at the Alert level or higher.</p> <p>State and local authorities shall be notified within 15 minutes of emergency declaration.</p> <p><b>3.1</b> Ensure CCR Communicator to available. <b>IF</b> CCR Communicator is unavailable <b>THEN</b> direct a qualified individual to serve as CCR Communicator.</p> <p><b>3.2</b> Complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p> <div data-bbox="196 869 1208 1003" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE</b></p> <p>IP-1027 "Personnel Accountability and Evacuation" provides guidance for the suspension of personnel accountability under certain conditions.</p> </div> <p><b>3.3</b> <b>IF</b> personnel assembly is suspended, <b>THEN</b> inform the CCR Communicator prior to directing personnel mobilization and instruct him <b>NOT</b> to sound the site assembly alarm.</p> <div data-bbox="196 1140 1214 1377" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE</b></p> <p><b>IF</b> adverse conditions exist onsite to an extent impacting safety of Emergency Response Organization personnel responding from outside the Protected Area, <b>THEN</b> consider having Security direct responding personnel to the Emergency Operations Facility rather than reporting directly to their assigned emergency facility.</p> </div> <p><b>3.4</b> Determine if this is a Unit 2 ERO mobilization or a Station ERO mobilization (both Unit 2 and Unit 3).</p> <p><b>3.5</b> <b>IF</b> based on Shift Manager judgment the Emergency Response Organization is needed for both Unit 2 and Unit 3, <b>THEN</b> direct the CCR Communicator to use <b>Envelope A</b> "Station ERO Mobilization" envelope as indicated on Form IP-1002-2 "CCR Alert/SAE/GE Initial Notification Checklist".</p> <p><b>3.6</b> <b>IF</b> based on Shift Manager judgment the Emergency Response Organization mobilization is needed for Unit 2, <b>THEN</b> direct the CCR Communicator to use <b>Envelope B</b> "Unit 2 ERO Mobilization" envelope as indicated on Form IP-1002-2 "CCR Alert/SAE/GE Initial Notification Checklist".</p>	

Attachment 1

Shift Manager (Emergency Director) Checklist

Sheet 3 of 9

Initial Responsibility/Activity(cont.)	Notes
<p><b>4.0 Establish Personnel Accountability</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTES</b></p> <p>Accountability rosters are located in the Shift Manager Position Binder.                      The Shift Manager may call for accountability to be completed any time conditions due to hazards in the plant such as fire, toxic gas, high radiation levels, earthquake etc. are present.</p> </div> <p><b>4.1</b> <b>IF</b> a Site Area Emergency or General Emergency has been declared, and personnel accountability has not already been established, <b>THEN</b> initiate site personnel accountability per IP-1027, Personnel Accountability and Evacuation.</p> <p><b>4.2</b> Have all shift staff personnel (including Shift Watch HP and Chemistry) swipe their security badge through the CCR accountability card reader. Record the names, badge numbers and locations of any watch personnel located in the field on an Accountability Roster, Form IP-1027-1 and forward roster to the Lead Accountability Officer or OSC Manager (if OSC activated).</p> <p><b>4.3</b> <b>IF</b> any individuals are missing, <b>THEN</b> direct available personnel and Security to conduct search and rescue operations to locate the missing individuals.</p> <p><b>5.0 Assess Any Radiological Release</b></p> <p>The MEANS computer program is available for the performance of dose projections and the formulation of protective action recommendations.</p> <p><b>5.1</b> <b>IF</b> any indications exist of abnormal radiological release as a result of the emergency, <b>THEN</b> assess offsite consequences in accordance with IP-EP-310, Dose Assessment.</p> <p><b>5.2</b> <b>IF</b> dose assessment results indicate offsite consequences in excess of the EPA Protective Action Guidelines <b>THEN</b> declaration of a General Emergency is required. Evaluate the need to modify the General Emergency PARs as specified in Attachment 10.2 of IP-EP-410, Protective Action Recommendations.</p>	

Attachment 1  
Shift Manager (Emergency Director) Checklist  
Sheet 4 of 9

Continuous Responsibility/Activity (Emergency Director)	Notes
<div data-bbox="228 394 1195 625" style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;"><b>NOTES</b></p> <p><b>IF</b> while performing the Continuous Responsibility/Activity steps as Emergency Director, you are relieved of Emergency Director duties by the EPM or On-Call ED, <b>THEN</b> exit this section and enter the Continuous Responsibility/Activity (Shift Manager) section at step 11.0.</p> </div> <p><b>6.0 Re-Classify the Emergency if Necessary</b></p> <p>6.1 <b>IF</b> plant conditions change or other events occur which may warrant upgrade of the emergency classification, <b>THEN</b> re-classify the emergency condition in accordance with IP-1024 "Emergency Classification".</p> <p>6.2 <b>IF</b> a General Emergency is declared, <b>THEN</b> protective action recommendations must be made in accordance with IP-EP-410, Protective Action Recommendations.</p> <p>6.3 Declare the emergency and announce the classification to Control Room personnel.</p> <p>6.4 Complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p> <p>6.5 Direct the CCR Communicator to perform notifications using Form IP-1002-3 "Upgrade/Update Notification Alert/SAE/GE Initial Notification Checklist".</p> <p><b>7.0 Establish Radiological Controls and Maintain Onsite Personnel Safety</b></p> <p>7.1 Keep the Security Supervisor at the Command Guard House informed of emergency classification, plant status and any radioactive releases which may effect Security Personnel.</p> <p>7.2 Once established, maintain personnel accountability.</p> <p>7.3 <b>IF</b> the potential for abnormal radiological conditions in-plant or onsite exists, <b>THEN</b>:</p> <ul style="list-style-type: none"> <li>A. Direct the Watch Health Physics Technician to establish radiological controls for the Central Control Room and initiate habitability monitoring for the Central Control Room.</li> <li>B. Evaluate the need to perform a site evacuation per IP-1027, Personnel Accountability and Evacuation.</li> <li>C. Authorize emergency exposure, if necessary, per Form IP-1023-6, Emergency Exposure Authorization.</li> </ul>	

Attachment 1  
Shift Manager (Emergency Director) Checklist

Sheet 5 of 9

Continuous Responsibility/Activity (Emergency Director)	Notes
7.4 <b>IF</b> an on-site medical emergency occurs, <b>THEN</b> implement IP-1012, On-site Medical Emergency.	
<p><b>8.0 Perform Periodic Update Notifications</b></p> <p>8.1 Periodic update notifications to offsite authorities should be made approximately every 30 minutes or more frequently when plant conditions change.</p> <p>8.2 For each update notification, complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p> <p>8.3 <b>IF</b> there has been a radiological release to the environment, <b>THEN</b> complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Data Form, Part II."</p> <p>8.4 For periodic update notifications during an <b>Unusual Events</b>, direct the CCR Communicator to perform update notifications using Form IP-1002-1 "CCR NUE Notification Checklist".</p> <p>8.5 For periodic update notifications during an <b>Alert or higher</b> classifications, direct the CCR Communicator to perform update notifications using Form IP-1002-3 "Upgrade/Update Notification Alert/SAE/GE Initial Notification Checklist".</p>	

Attachment 1  
Shift Manager (Emergency Director) Checklist

Sheet 6 of 9

<b>Continuous Responsibility/Activity (Emergency Director)</b>	<b>Notes</b>
<p><b>9.0 Turnover Emergency Director Responsibilities</b></p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE:</b></p> <p>For Unusual Events, the Shift Manager will normally maintain the Emergency Director responsibilities until the classification is terminated per IP-EP-610, Emergency Termination &amp; Recovery. For Alert and higher classifications, the Emergency Plant Manager will relieve the Shift Manager of Emergency Director duties in the Control Room. The On-Call Emergency Director in the EOF at his discretion may assume Emergency Director duties directly from the Shift Manager via telephone turnover.</p> </div> <p>9.1 Provide a status briefing to the Emergency Plant Manager upon his arrival in the Central Control Room. The Emergency Plant Manager will request status on all of the information specified on Form IP-1035-2, Essential Information Checklist.</p> <p>9.2 Provide copies of all completed NYS radiological Emergency Data forms to the Emergency Plant Manager.</p> <p>9.3 Resume duties as Shift Manager and proceed to step 11.0 in the Continuous Responsibility/Activity (Shift Manager) section.</p>	
<p><b>10.0 Terminate the Emergency (Unusual Event Only)</b></p> <p>10.1 When conditions warrant termination of the Unusual Event, enter IP-EP-610 Emergency Termination &amp; Recovery and terminate the emergency per section 6.1 "Transition and Recovery Following an Unusual Event."</p> <p>10.2 Exit this section after termination of the emergency and enter the Closeout Responsibility/Activity section at step 16.0.</p>	

Attachment 1  
Shift Manager (Emergency Director) Checklist

Sheet 7 of 9

Continuous Responsibility/Activity (Shift Manager)	Notes
<p><b>11.0 Evaluate Emergency Action Levels</b></p> <p>11.1 Continue to evaluate current plant condition and events relative to the emergency action levels as specified in IP-1024, Emergency Classification.</p> <p>11.2 Make recommendations to the Emergency Director and Emergency Plant Manager for upgrading of the emergency classification as appropriate.</p>	
<p><b>12.0 Maintain Communications with the Emergency Plant Manager and Emergency Director</b></p> <p>12.1 Keep the Emergency Plant Manager and Emergency Director informed of current plant status and planned operations.</p> <p>12.2 Discuss tasks and procedures the Control Room is currently performing and review priorities on a regular basis.</p> <p>12.3 IMMEDIATELY inform the Emergency Plant Manager and Emergency Director of any plant condition or event that has the potential to change the emergency classification or affect radiological release status.</p>	
<p><b>13.0 Coordinate In-Plant Team Activities with the Operations Coordinator in the OSC</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE:</b></p> <p>Once the OSC is activated, the dispatch of personnel into the field for emergency operations is controlled from the OSC. Communications and directions can be provided to the teams from the Control Room, however, the OSC must retain team control for personnel safety and continuous accountability.</p> </div> <p>13.1 Once the OSC is activated, coordinate the dispatch and control of NPOs assigned to perform in-plant operations with the Operations Coordinator located in the OSC.</p>	<p>Operations Coordinator telephone # in OSC: <b>734-5556</b></p>

Attachment 1  
Shift Manager (Emergency Director) Checklist

Sheet 8 of 9

<b><u>Continuous Responsibility/Activity (Shift Manager)</u></b>	<b>Notes</b>
<p>13.2 For operations teams already dispatched and in the field prior to the OSC being activated, coordinate the transfer of team control to the OSC with the Operations Coordinator.</p> <p>13.3 Direct requests for in-plant operational support IMMEDIATELY to the Operations Coordinator in the OSC to facilitate prompt response to Control Room needs. Keep the Emergency Plant Manager informed of all requests.</p> <p>13.4 Re-enforce Control Room priorities and needs with the Emergency Plant Manager if in-plant team support is not being provided in a timely and effective manner.</p>	
<p><b>14.0 Request Technical Support as Needed to Mitigate the Emergency</b></p> <p>14.1 Request the TSC Manager to provide forward-looking technical support as needed to assist the Control Room staff in responding to the emergency.</p> <p>14.2 Provide the Emergency Plant Manager and TSC Manager with periodic briefs on current mitigation strategies and emergency procedures currently being implemented.</p>	
<p><b>15.0 Exit to Recovery Phase</b></p> <p>15.1 Upon notification from the Emergency Director that the emergency has been terminated, exit this section and enter the Closeout Responsibility/Activity section at step 16.0.</p>	

Attachment 1

Shift Manager (Emergency Director) Checklist

Sheet 9 of 9

<b><u>Closeout Responsibility/Activity</u></b>	<b><u>Notes</u></b>
<b>16.0 Direct the Control Room staff to return all equipment utilized in the response to proper storage locations</b>	
<b>17.0 Review all documentation the Control Room staff generated during the emergency:</b>  17.1 Ensure all logs, forms and other documentation are complete.  17.2 Ensure all temporary procedures used and/or developed are properly documented for use by the Recovery Organization so that necessary actions can be taken for long-term restoration.  17.3 Collect all computer printouts and strip charts.	
<b>18.0 Provide all logs and records to the Recovery Manager upon termination of the emergency and entry into the Recovery Phase.</b>	

Attachment 2  
CCR Communicator Checklist  
Sheet 1 of 4

Initial Responsibility/Activity	Notes
<p><b>1.0 Assume the Duties of CCR Communicator</b> State and local authorities shall be notified within 15 minutes of emergency declaration.</p> <p>1.1 Upon being notified to fulfill the CCR Communicator role, IMMEDIATELY report to the Control Room.</p> <p>1.2 <b>IF</b> site accountability has been directed, <b>THEN</b> swipe your security badge through the CCR accountability card reader.</p> <p>1.3 Inform the Shift Manager (Emergency Director) and the Control Room staff that you have assumed the duties of CCR Communicator.</p> <p>1.4 <b>IF</b> the emergency classification is an Unusual Event, <b>THEN</b>, proceed to step 2.0.</p> <p>1.5 <b>IF</b> the emergency classification is an Alert or higher, <b>THEN</b>, proceed to step 3.0.</p>	
<p><b>2.0 Perform Initial Unusual Event Notifications</b></p> <p>2.1 Obtain the completed NYS Radiological Emergency Data Form Part I from the Shift Manager.</p> <p>2.2 Review form to ensure all required information is completed, including Shift Manager (Emergency Director) signature.</p> <p>2.3 Using Form IP-1002-1, "CCR NUE Notification Checklist", start the initial roll call to State and counties within 15 minutes of the declaration of the Unusual Event.</p> <p>2.4 Complete Section 1 of the NYS Radiological Data Form Part I, by recording the date and time the message is being transmitted as well as checking the appropriate communication method (RECS or Other).</p> <p>2.5 Request direction from Shift Manger (Emergency Director) if Emergency Response Organization mobilization is needed or if Emergency Response Organization should receive event notification only.</p> <p>2.6 Complete the remaining notifications as specified on the Form IP-1002-1 checklist.</p>	<p>Fax numbers can be found in the Emergency Telephone Directory</p>

Attachment 2  
**CCR Communicator Checklist**

Sheet 2 of 4

Initial Responsibility/Activity	Notes
<p>2.7 Fax copies of the NYS Radiological Data Form to State/counties/ EOF.</p>	<p>Fax numbers can be found in the Emergency Telephone Directory</p>
<p>3.0 Perform Initial Alert/SAE/GE Notifications</p> <p>3.1 Determine if personnel accountability is being suspended from the Shift Manager.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE:</b></p> <p>Form IP-1002-2, CCR Alert/SAE/GE Initial Notification Checklist is used <b>only</b> once. After notifications are complete using this form, all subsequent upgrade and update notifications shall be made using Form IP-1002-3, Upgrade/Update Notification Alert/SAE/GE Checklist.</p> </div> <p>3.2 Using Form IP-1002-2, CCR Alert/SAE/GE Initial Notification Checklist, initiate notification of personnel located in the Protected Area, Unit 3 CCR and the Emergency Response Organization.</p> <p>3.3 Obtain the completed NYS Radiological Emergency Data Form Part I from the Shift Manager. Review form to ensure all required information is completed, including Shift Manager (Emergency Director) signature.</p> <p>3.4 Using Form IP-1002-2, CCR Alert/SAE/GE Initial Notification Checklist, start the initial roll call to State and counties within 15 minutes of the declaration of the Alert, SAE or GE.</p> <p>3.5 Complete Section 1 of the NYS Radiological Data Form Part I, by recording the date and time the message is being transmitted as well as checking the appropriate communication method (RECS or Other).</p> <p>3.6 Complete the remaining notifications as specified on the Form 1002-2 checklist.</p> <p>3.7 Fax copies of the NYS Radiological Data Form to State/counties/ EOF.</p>	<p>Fax numbers can be found in the Emergency Telephone Directory</p>

Attachment 2  
**CCR Communicator Checklist**

Sheet 3 of 4

<b><u>Continuous Responsibility/Activity</u></b>	<b><u>Notes</u></b>
<p><b>4.0 Perform Periodic Update Notifications – Unusual Event</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p align="center"><b>NOTE:</b>                      Periodic Update Notifications to offsite authorities shall be made approximately every 30 minutes or whenever conditions change.</p> </div> <p>4.1 Obtain the completed NYS Radiological Emergency Data Form Part I from the Shift Manager.</p> <p style="padding-left: 40px;">A. Review form to ensure all required information is completed, including Shift Manager (Emergency Director) signature.</p> <p>4.2 Using Form IP-1002-1, CCR NUE Notification Checklist, perform <b>ONLY the circled items</b>, to make the periodic update notifications.</p> <p>4.3 Complete Section 1 of the NYS Radiological Data Form Part I, by recording the date and time the message is being transmitted as well as checking the appropriate communication method (RECS or Other).</p> <p>4.4 Fax copies of the NYS Radiological Data Form to State/counties/ EOF.</p>	<p>Fax numbers can be found in the Emergency Telephone Directory</p>
<p><b>5.0 Perform Periodic Update Notifications – Alert/SAE/GE</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p align="center"><b>NOTE:</b>                      Periodic Update Notifications to offsite authorities shall be made approximately every 30 minutes or whenever conditions change.</p> </div> <p>5.1 Obtain the completed NYS Radiological Emergency Data Form Part I (Part II if a radiological release has occurred or is in progress) from the Shift Manager.</p> <p style="padding-left: 40px;">A. Review form to ensure all required information is completed, including Shift Manager (Emergency Director) signature.</p> <p>5.2 Using Form IP-1002-3, Upgrade/Update Alert/SAE/GE Checklist, start the initial roll call to State and counties.</p> <p>5.3 Complete Section 1 of the NYS Radiological Data Form Part I, by recording the date and time the message is being transmitted as well as checking the appropriate communication method (RECS or Other).</p>	<p>Fax numbers can be found in the Emergency Telephone Directory</p>

Attachment 2  
**CCR Communicator Checklist**

Sheet 4 of 4

<b><u>Continuous Responsibility/Activity</u></b>	<b><u>Notes</u></b>
5.4 Complete the remaining notifications as specified on the Form 1002-3 checklist.	
<p><b>6.0 IE the Emergency Classification is Upgraded, THEN Perform Upgrade Notifications</b></p> <p>6.1 Using Form IP-1002-3, Upgrade/Update Alert/SAE/GE Checklist, initiate notification of personnel located in the Protected Area, Unit 3 CCR and the Emergency Response Organization.</p> <p>6.2 Obtain the completed NYS Radiological Emergency Data Form Part I from the Shift Manager.</p> <p>A. Review form to ensure all required information is completed, including Shift Manager (Emergency Director) signature.</p> <p>6.3 Using Form IP-1002-3, Upgrade/Update Alert/SAE/GE Checklist, start the initial roll call to State and counties within 15 minutes of upgrade of the emergency classification.</p> <p>6.4 Complete Section 1 of the NYS Radiological Data Form Part I, by recording the date and time the message is being transmitted as well as checking the appropriate communication method (RECS or Other).</p> <p>6.5 Complete the remaining notifications as specified on the checklist.</p>	<p>Fax numbers can be found in the Emergency Telephone Directory</p>
7.0 <b>When directed by the Shift Manager, return all equipment utilized in the response to proper storage locations</b>	
<p>8.0 <b>Review all documentation the generated during the emergency:</b></p> <p>8.1 Ensure all logs, forms and other documentation are complete.</p> <p>8.2 Collect all forms, logs and other documentation.</p>	
9.0 <b>Provide all logs and records to the Shift Manager upon termination of the emergency and entry into the Recovery Phase.</b>	

Attachment 3  
CCR-TSC Communicator Checklist  
Sheet 1 of 2

<u>Initial Responsibility/Activity</u>	<u>Notes</u>
<p><b>1.0 Assume the Duties of CCR-TSC Communicator</b></p> <p>1.1 Upon being notified to fulfill the CCR-TSC Communicator role, IMMEDIATELY report to the Control Room.</p> <p>1.2 <b>IF</b> site accountability has been directed, <b>THEN</b> swipe your security badge through the CCR accountability card reader.</p> <p>1.3 Inform the Shift Manager and the Control Room staff that you are assuming the duties of CCR-TSC Communicator.</p> <p>1.4 If not already established, establish an open line of communications with the TSC Communicator and EOF (EOF may not always be on line) over the 3-way ring down phone:</p> <p>A. Remove handset from cradle (may use headset if available).</p> <p>B. Press button labeled "TSC-CCR-EOF"</p> <p>C. Press SIGNAL button to ring other locations.</p> <p>D. Listen to ensure other parties pick up (it may take additional time for the TSC Communicator to arrive in TSC)</p> <p>E. Inform other parties that you are establishing an open line from the CCR.</p> <p>F. Stay on line or inform other parties any time you will be offline.</p> <p>1.5 Inform the Shift Manager that you have established communications with the TSC and EOF.</p>	
<u>Continuous Responsibility/Activity</u>	<u>Notes</u>
<p><b>2.0 Maintain Communications with the TSC and EOF</b></p> <div data-bbox="220 1524 1235 1780" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE:</b></p> <p>The primary responsibility of the CCR-TSC Communicator is to provide an open line of communication between the CCR and TSC, however, the Technical Advisor to the Emergency Director in the EOF will periodically monitor the communications line or will request information from the CCR and TSC.</p> </div> <p>2.1 Transmit information as requested by the TSC and EOF.</p>	

Attachment 3  
CCR-TSC Communicator Checklist  
Sheet 2 of 2

<b><u>Continuous Responsibility/Activity (cont.)</u></b>		<b><u>Notes</u></b>
2.2	Use Form IP-1023-4, ERO Log Sheet, to maintain a log. A. Log the time when you assumed the duties of CCR-TSC Communicator B. Log significant communications pertaining to plant operations and emergency events.	
<b><u>Closeout Responsibility/Activity</u></b>		<b><u>Notes</u></b>
3.0	When directed by the Shift Manager, return all equipment utilized in the response to proper storage locations	
4.0	Review all documentation the generated during the emergency:	
4.1	Ensure all logs, forms and other documentation are complete.	
4.2	Collect all forms, logs and other documentation..	
5.0	Provide all logs and records to the Shift Manager upon termination of the emergency and entry into the Recovery Phase.	

Attachment 4  
CCR Data Logger Checklist  
Sheet 1 of 3

Initial Responsibility/Activity	Notes
<p><b>1.0 Assume the Duties of CCR-Data Logger</b></p> <p>1.1 Upon being notified to fulfill the CCR-Data Logger role, IMMEDIATELY report to the Control Room.</p> <p>1.2 <b>IF</b> site accountability has been directed, <b>THEN</b> swipe your security badge through the CCR accountability card reader.</p> <p>1.3 Inform the Shift Manager and the Control Room staff that you are assuming the duties of CCR Data Logger.</p>	
<p><b>2.0 Initiate Data Acquisition</b></p> <p>2.1 Begin manual data collection and entry into PICS:</p> <p>A. Activate the manual overlay functions of PICS on the PICS console.</p> <p>B. Begin manual data collection and entry into PICS from the SPDS Secondary Menu.</p> <p>1. Screen 42B Left - Enter equipment status</p> <p>2. Screen 42B Right – Enter equipment status and Accumulator levels</p> <p>3. Screen 42C - Enter values for text boxes provided</p> <p>2.2 <b>IF</b> PICS is not functional, <b>THEN</b> begin manual collection of data for the following forms for manual transmission to the TSC:</p> <p>A. Form IP-1026-1, Plant Parameters – 42A</p> <p>B. Form IP-1026-2, Equipment Status – 42B</p> <p>C. Form IP-1026-3, Radiological Data – 42C</p> <p>Completed forms should be faxed or physically delivered to the TSC.</p>	

Continuous Responsibility/Activity	Notes
<p><b>3.0 Maintain Up-to-Date Plant Data Transmissions</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE:</b></p> <p>The primary responsibility of the CCR-Data Logger is to provide constant updates of manually acquired plant data for input into PICS. If PICS is not functional the CCR-Data Logger is responsible for manual acquisition and transmission of plant data as needed. However, additional requests for plant information may be made by the TSC or EOF.</p> </div> <p><b>3.1 Maintain [PICS manual input data up-to-date:</b></p> <p style="margin-left: 20px;">A. Update manual data points at least every <b>15 minutes</b> and any time there is a significant change in value or status.</p> <p style="margin-left: 20px;">If there is any qualifying information that may be important or useful for the TSC or EOF to be aware of regarding data being manually entered into PICS, pass that information on via the CCR-TSC Communicator.</p> <p><b>3.2 If PICS is not functional, THEN continue manual collection of data for the following forms for manual transmission to the TSC:</b></p> <p style="margin-left: 20px;">A. Form IP-1026-1, Plant Parameters – 42A</p> <p style="margin-left: 20px;">B. Form IP-1026-2, Equipment Status – 42B</p> <p style="margin-left: 20px;">C. Form IP-1026-3, Radiological Data – 42C</p> <p style="margin-left: 20px;">Completed forms should be faxed or physically delivered to the TSC.</p>	
<p><b>4.0 Use Form IP-1023-4, ERO Log Sheet, to maintain a log.</b></p> <p style="margin-left: 20px;">A. Log the time when you assumed the duties of CCR-TSC Communicator</p> <p style="margin-left: 20px;">B. Log significant communications pertaining to plant operations and emergency events.</p>	

Sheet 3 of 3

<b><u>Closeout Responsibility/Activity</u></b>	<b><u>Notes</u></b>
5.0 When directed by the Shift Manager, return all equipment utilized in the response to proper storage locations	
6.0 Review all documentation generated during the emergency: 6.1 Ensure all logs, forms and other documentation are complete. 6.2 Collect all forms, logs and other documentation..	
7.0 Provide all logs and records to the Shift Manager upon termination of the emergency and entry into the Recovery Phase.	

Attachment 5  
**Watch Health Physics Technician Checklist**  
 Sheet 1 of 3

<b>Initial Responsibility/Activity</b>	<b>Notes</b>
<p><b>1.0 Assume the Duties of Watch Health Physics Technician</b></p> <p>1.1 Upon being notified of a classified emergency, IMMEDIATELY report to the Control Room.</p> <p style="padding-left: 40px;">A. <b>IF</b> the declared emergency is an Alert or higher, <b>THEN</b> first proceed to HP1 and determine who has NOT signed out of the RCA by accessing the computer (Option 3 main menu, option 1 sub-menu).</p> <p style="padding-left: 40px;">B. Report list of personnel still in RCA to the Shift Manager.</p> <p>1.2 <b>IF</b> site accountability has been directed, <b>THEN</b> swipe your security badge through the CCR accountability card reader.</p> <p>1.3 Inform the Shift Manager and the Control Room staff that you are assuming the duties of Watch Health Physics Technician.</p>	
<p><b>2.0 Establish Initial CCR Radiological Protection</b></p> <p>2.1 Evaluate the need and make a recommendation to establish radiological access control for the Control Room</p> <p style="padding-left: 40px;">A. Ask the Shift Manager if there is potential for abnormal radiological conditions outside of the RCA.</p> <p style="padding-left: 40px;">B. Evaluate PRM-ARM instrumentation.</p> <p>2.2 <b>IF</b> the Shift Manager directs that Control Room radiological controls be established, <b>THEN</b>:</p> <p style="padding-left: 40px;">A. Set up step off pad (SOP) requiring shoe check and frisker at the entrance from the turbine floor to SFS Office and at the side entrance.</p> <p style="padding-left: 40px;">B. Place SOPs in a position that does not preclude opening the door while standing on the SOP.</p> <p style="padding-left: 40px;">C. Perform periodic contamination surveys on both sides of the SOP</p> <p style="padding-left: 40px;">D. Perform periodic airborne contamination checks.</p> <p style="padding-left: 40px;">E. Record results on applicable forms.</p>	

Attachment 5  
Watch Health Physics Technician Checklist  
Sheet 2 of 3

Continuous Responsibility/Activity	Notes
<p><b>3.0 Provide Radiological Protection</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE:</b></p> <p>The actions and responsibilities listed in this procedure are intended to assist the Watch Health Physics Technician in the performance of his/her duties. While some items are performed once, others are repeated over the duration of the event.</p> </div> <p>3.1 Provide radiological support, such as issuance of dosimetry, determination of respiratory and protective clothing requirements, and performance of radiological surveys for the following activities, as directed by the Shift Manager:</p> <ul style="list-style-type: none"> <li>A. Search and rescue</li> <li>B. Repair and corrective actions</li> <li>C. Response to fires by Fire Brigade (includes survey /decontamination of Fire Department personnel and equipment)</li> <li>D. Personnel and equipment decontamination</li> <li>E. As requested by the Shift Manager</li> </ul> <p>3.2 Conduct outside surveys per IP-1015, Radiological Surveys Outside the Protected Area as requested by the Shift Manager</p> <p>3.3 Provide Radiological Support for Personnel Medical Emergencies</p> <ul style="list-style-type: none"> <li>A. Upon notification that a personnel medical emergency has occurred onsite, report to the scene with the HP Plant Medical Emergency Kit (stored in the HPT Office/Counting Room Area).</li> <li>B. Implement Step 5.4 of IP-1012, On-Site Medical Emergency.</li> </ul>	
<p><b>4.0 Use Form IP-1023-4, ERO Log Sheet, to maintain a log.</b></p> <ul style="list-style-type: none"> <li>A. Log the time when you assumed the duties of Watch Health Physics Technician.</li> <li>B. Log significant communications pertaining to personnel radiological conditions and actions.</li> </ul>	

Attachment 5  
Watch Health Physics Technician Checklist  
Sheet 3 of 3

<b><u>Continuous Responsibility/Activity (Cont)</u></b>		<b><u>Notes</u></b>
<b>5.0</b>	<b>Turnover to OSC Radiation Protection Coordinator</b>	
<b>5.1</b>	Once the OSC has been activated, upon direction from the Shift Manager, report to the OSC Radiation Protection Coordinator in the OSC.	
<b><u>Closeout Responsibility/Activity</u></b>		<b><u>Notes</u></b>
<b>6.0</b>	<b>When directed by the Shift Manager, return all equipment utilized in the response to proper storage locations</b>	
<b>7.0</b>	<b>Review all documentation the generated during the emergency:</b>	
<b>7.1</b>	Ensure all logs, forms and other documentation are complete.	
<b>7.2</b>	Collect all forms, logs and other documentation..	
<b>8.0</b>	<b>Provide all logs and records to the Shift Manager upon termination of the emergency and entry into the Recovery Phase.</b>	

Attachment 6  
 Unit 2 Response to a Unit 3 Emergency Checklist

Sheet 1 of 4

**Initial Responsibility/Activity**

<b>1.0 Notification of the Emergency</b>	<b>Notes</b>
<p>Upon notification from Unit 3 Control Room that an event has been declared at Indian Point 3:</p> <p>A. Announce the information to Control Room personnel.</p> <p>B. Based upon the Unit 3 emergency conditions, evaluate the need to declare an emergency at Unit 2 in accordance with IP-1024. If you determine that an EAL is met for current Unit 2 conditions, notify the Emergency Director in Unit 3.</p>	
<p><b>2.0 Notification of ERO Personnel</b></p>	
<p><b>2.1 UNUSUAL EVENT</b></p>	
<p>2.1.1 Make an announcement providing information regarding the Unit 3 event and any additional information as required restricting access to Unit 3 areas affected by the emergency.</p>	
<p>2.1.2 Request direction from Unit 3 Shift Manger (Emergency Director) if Unit 3 ERO mobilization is needed or if Emergency Response Organization should receive event notification only.</p>	
<p>2.1.3 Ensure CCR Communicator to available. <b>IE</b> CCR Communicator is unavailable <b>THEN</b> direct a qualified individual to serve as CCR Communicator.</p>	
<p>2.1.4 <b>IE</b> based on Unit 3 Shift Manager (Emergency Director) judgment the Emergency Response Organization is needed, <b>THEN</b> direct the CCR Communicator to use <b>Envelope D</b> "Unit 3 ERO Mobilization" envelope to contact the Unit 3 ERO members.</p>	
<p>2.1.5 <b>IE</b> based on Unit 3 Shift Manager (Emergency Director) judgment the Emergency Response Organization should be notified only, <b>THEN</b> direct the CCR Communicator to use <b>Envelope E</b> "Unit 3 ERO Event Notification" envelope to contact the appropriate ERO members.</p>	

Attachment 6  
 Unit 2 Response to a Unit 3 Emergency Checklist

Sheet 2 of 4

Initial Responsibility/Activity(cont.)	Notes
<p>2.2. <b>ALERT</b></p> <p>2.2.1 <b>IF</b> personnel are in jeopardy due to a Unit 3 emergency, <b>THEN</b> sound the Site Assembly Alarm for 30 seconds and instruct personnel to move to safety immediately.</p> <p>2.2.2 <b>IF</b> there is no hazard for Unit 2 personnel, <b>THEN</b> sound the Site Assembly Alarm for 30 seconds (coordinate sounding of the assembly alarm with the Unit 3 CCR) and make the following announcement 3 times over the public address system:</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><i>"Attention all personnel, Attention all personnel, an Alert has been declared at Unit 3, all essential personnel report to your assigned emergency facility. All other personnel assemble at the Energy Education Center."</i></p> </div> <p>2.2.3 Determine if this is a Unit 3 ERO mobilization or a Station ERO mobilization (both Unit 2 and Unit 3).</p> <p>2.2.4 Ensure CCR Communicator to available. <b>IF</b> CCR Communicator is unavailable <b>THEN</b> direct a qualified individual to serve as CCR Communicator.</p> <p>2.2.5 <b>IF</b> the Emergency Response Organization is needed for both Unit 2 and Unit 3, <b>THEN</b> direct the CCR Communicator to use <b>Envelope A</b> "Station ERO Mobilization" envelope to contact Unit 2 and Unit 3 ERO.</p> <p>2.2.6 <b>IF</b> only the Unit 3 the Emergency Response Organization is needed, <b>THEN</b> direct the CCR Communicator to use <b>Envelope D</b> "Unit 3 ERO Mobilization" envelope to contact the Unit 3 ERO.</p>	

Attachment 6  
 Unit 2 Response to a Unit 3 Emergency Checklist

Sheet 3 of 4

Initial Responsibility/Activity	Notes
<p>2.3 <b>SITE AREA EMERGENCY or GENERAL EMERGENCY</b></p> <p>2.3.1 <b>IE</b> personnel are in jeopardy due to a Unit 3 emergency, <b>THEN</b> sound the Site Assembly Alarm for 30 seconds and instruct personnel to move to safety immediately.</p> <p>2.3.2 <b>IE</b> there is no hazard for Unit 2 personnel, <b>THEN</b> sound the Site Assembly Alarm for 30 seconds (coordinate sounding of the assembly alarm with the Unit 3 CCR) and make the following announcement 3 times over the public address system:</p> <div data-bbox="370 789 1179 982" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><i>“Attention all personnel, Attention all personnel, a (Site Area Emergency / General Emergency) has been declared at Unit 3, All essential personnel report to your assigned emergency facility. All other personnel assemble at the Energy Education Center.”</i></p> </div> <p>2.3.3 Determine if this is a Unit 3 ERO mobilization or a Station ERO mobilization (both Unit 2 and Unit 3).</p> <p>2.3.4 Ensure CCR Communicator to available. <b>IE</b> CCR Communicator is unavailable <b>THEN</b> direct a qualified individual to serve as CCR Communicator.</p> <p>2.3.5 <b>IE</b> the Emergency Response Organization is needed for both Unit 2 and Unit 3, <b>THEN</b> direct the CCR Communicator to use <b>Envelope A</b> “Station ERO Mobilization” envelope to contact the Unit 2 and Unit 3 ERO.</p> <p>2.3.6 <b>IE</b> only the Unit 3 the Emergency Response Organization is needed, <b>THEN</b> direct the CCR Communicator to use <b>Envelope D</b> “Unit 3 ERO Mobilization” envelope to contact the Unit 3 ERO.</p> <p>2.3.7 Perform Personnel Accountability per IP-1027.</p> <p>2.3.8 Direct all watch staff, including the Watch HP and Chemistry, to swipe their security badge through the CCR accountability card reader.</p>	

Attachment 6  
Unit 2 Response to a Unit 3 Emergency Checklist

Sheet 4 of 4	
<u>Initial Responsibility/Activity</u>	Notes
<p><b>3.0 Provide Support to Unit 3</b></p> <p>3.1 Upon request from the Unit 3 Emergency Director, provide a Shift HP Technician to support Unit 3 response.</p> <p>3.2 Upon request from the Unit 3 Emergency Director, call-out and dispatch Offsite Field Monitoring Teams to support Unit 3 field monitoring activities. Direct offsite monitoring personnel to report to the EOF and inform the Unit 3 Emergency Director of their availability. Refer to the Emergency Telephone Directory for names and telephone numbers of qualified individuals.</p>	
<u>Continuous Responsibility/Activity</u>	Notes
<p><b>4.0 Provide Support to Unit 3 as Requested</b></p> <p>Upon request from the Unit 3 Emergency Director, provide Unit 2 personnel, equipment and resources available to you.</p>	
<p><b>5.0 Provide updates to personnel in Unit 2 with information provided by the Unit 3 Emergency Director</b></p> <p>When information is provided to you, use the public address system to disseminate that information to the personnel within the Unit 2 fence line.</p>	
<p><b>6.0 Evaluate Emergency Action Levels</b></p> <p>Continue to evaluate current plant condition and events relative to the Emergency Action Levels as specified in IP-1024, "Emergency Classification."</p>	

Attachment 7

Shift Manager (Emergency Director) Security Event Checklist

Sheet 1 of 9

Initial Responsibility/Activity	Notes
<p><b>1.0 Activating the Emergency Response Organization during a Security Event</b></p>	
<p>1.1 <b>IF</b> an emergency is declared due to a security event, <b>THEN</b> the ERO will be mobilized to backup locations until conditions can be established for safe site access.</p>	
<p>1.2 Security and Operations will take steps as directed by Safeguard instructions to protect the safety of site employees and the integrity of plant equipment.</p>	
<p>1.3 Site access and egress will be controlled per Security procedures.</p>	
<p><b>2.0 Classification of the Emergency</b></p>	
<p>Authority to classify and declare an emergency is reserved solely for the Emergency Director and may not be delegated. The SM in the role of Emergency Director makes the initial emergency classification.</p>	
<p>2.1 Classify the emergency condition in accordance with IP-1024 "Emergency Classification".</p>	
<p>2.2 <b>IF</b> a General Emergency is declared, <b>THEN</b> protective action recommendations must be made in accordance with IP-EP-410, Protective Action Recommendations.</p>	
<p>2.3 Declare the emergency and announce the classification to Control Room personnel.</p>	
<p>2.4 Ensure Unit 3 Control Room is notified of the emergency classification.</p>	
<p>2.5 If a Security Event is in progress, determine if Site Assembly alarm should be sounded based on what is best for the safety of onsite personnel. Notify Unit 3 to take the same actions.</p>	
<p><b>3.0 Notification – Unusual Event</b></p>	
<p>State and local authorities shall be notified within 15 minutes of emergency declaration.</p>	
<p>3.1 <b>IF</b> the initial emergency classification is an Alert or higher <b>THEN</b> proceed to step 4.0.</p>	
<p>3.2 Ensure CCR Communicator to available. <b>IF</b> CCR Communicator is unavailable <b>THEN</b> direct a qualified individual to serve as CCR Communicator.</p>	
<p>3.3 Complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p>	
<p>3.4 Direct notification of offsite authorities by providing the completed and signed NYS Radiological Data Form Part I to the CCR Communicator.</p>	

Attachment 7  
Shift Manager Security Event Checklist  
Sheet 2 of 9

Initial Responsibility/Activity(cont.)	Notes
<p>3.5 Determine if Emergency Response Organization mobilization is needed. <b>IE</b> based on Shift Manager (Emergency Director) judgment the Emergency Response Organization should be directed to report to backup locations, <b>THEN</b> direct the CCR Communicator to use <b>Envelope F</b> "Station ERO Mobilization to Backup Locations".</p> <p>3.6 <b>IE</b> the ERO is not needed <b>THEN</b> notify the appropriate ERO of the event:</p> <p>A. <b>IE</b> the Unit 2 Emergency Response Organization should be notified only, <b>THEN</b> direct the CCR Communicator use <b>Envelope C</b> "Unit 2 ERO Event Notification."</p> <p>B. <b>IE</b> the Unit 3 Emergency Response Organization should be notified only, <b>THEN</b> direct the CCR Communicator use <b>Envelope E</b> "Unit 3 ERO Event Notification."</p> <p>C. <b>IE</b> the Unit 2 and Unit 3 Emergency Response Organizations should be notified, <b>THEN</b> direct the CCR Communicator use both <b>Envelope C</b> "Unit 2 ERO Event Notification" and <b>Envelope E</b> "Unit 3 ERO Event Notification."</p>	
<p>4.0 <b>Notification &amp; Mobilization - Alert, Site Area or General Emergency</b></p> <p>Once the EOF is activated, all offsite communications shall be performed by the EOF staff. The following steps are for initial classification at the Alert level or higher.</p> <p>State and local authorities shall be notified within 15 minutes of emergency declaration.</p> <p>4.1 Ensure CCR Communicator to available. <b>IE</b> CCR Communicator is unavailable <b>THEN</b> direct a qualified individual to serve as CCR Communicator.</p> <p>4.2 Complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p> <p>4.3 <b>IE</b> personnel assembly is suspended, <b>THEN</b> inform the CCR Communicator prior to directing personnel mobilization and instruct him <b>NOT</b> to sound the site assembly alarm.</p> <p>4.4 Direct the CCR Communicator to use <b>Envelope F</b> "Station ERO Mobilization to Backup Locations".</p>	

Attachment 7  
Shift Manager Security Event Checklist  
Sheet 3 of 9

Initial Responsibility/Activity(cont.)	Notes
<p><b>5.0 Establish Personnel Accountability</b></p> <div data-bbox="261 453 1224 611" style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;"><b>NOTE</b></p> <p>IP-1027 "Personnel Accountability and Evacuation" provides guidance for the suspension of personnel accountability under certain conditions.</p> </div> <div data-bbox="261 665 1224 856" style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;"><b>CAUTION</b></p> <p>Security and Operations will take steps as directed by Safeguard Instructions to protect the safety of site personnel. Accountability should be suspended until conditions can be established for safe site access.</p> </div> <div data-bbox="261 911 1224 1178" style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;"><b>NOTES</b></p> <p>Accountability rosters are located in the Shift Manager Position Binder. The Shift Manager may call for accountability to be completed any time conditions (hazards in the plant such as fire, toxic gas high radiation levels, earthquake etc.) are present where personnel safety may be in question.</p> </div> <p><b>5.1 IE</b> a Site Area Emergency or General Emergency has been declared, and personnel accountability has not already been established, <b>THEN</b> initiate site personnel accountability per IP-1027, Personnel Accountability and Evacuation.</p> <p><b>5.2 IE</b> any individuals are missing, <b>THEN</b> direct available personnel and Security to conduct search and rescue operations to locate the missing individuals as conditions allow.</p> <p><b>6.0 Assess Any Radiological Release</b></p> <p>The MEANS computer program is available for the performance of dose projections and the formulation of protective action recommendations.</p> <p><b>6.1 IE</b> any indications exist of abnormal radiological release as a result of the emergency, <b>THEN</b> assess offsite consequences in accordance with IP-EP-310, Dose Assessment.</p>	

Attachment 7  
Shift Manager Security Event Checklist  
Sheet 4 of 9

Initial Responsibility/Activity(cont.)	Notes
<p>6.2 <b>IE</b> dose assessment results indicate offsite consequences in excess of the EPA Protective Action Guidelines <b>THEN</b> declaration of a General Emergency is required. Evaluate the need to modify the General Emergency PARs as specified in Attachment 10.2 of IP-EP-410, Protective Action Recommendations.</p>	
Continuous Responsibility/Activity (Emergency Director)	Notes
<p><b>NOTES</b></p>	
<p><b>IF</b> while performing the Continuous Responsibility/Activity steps as Emergency Director, you are relieved of Emergency Director duties by the EPM or On-Call ED, <b>THEN</b> exit this section and enter the Continuous Responsibility/Activity (Shift Manager) section at step 12.0.</p>	
<p><b>7.0 Re-Classify the Emergency if Necessary</b></p> <p>7.1 <b>IE</b> plant conditions change or other events occur which may warrant upgrade of the emergency classification, <b>THEN</b> re-classify the emergency condition in accordance with IP-1024 "Emergency Classification".</p> <p>7.2 <b>IE</b> a General Emergency is declared, <b>THEN</b> protective action recommendations must be made in accordance with IP-EP-410, Protective Action Recommendations.</p> <p>7.3 Declare the emergency and announce the classification to Control Room personnel.</p> <p>7.4 Complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p> <p>7.5 Direct the CCR Communicator to perform notifications using Form IP-1002-3 "Upgrade/Update Notification Alert/SAE/GE Initial Notification Checklist".</p> <p><b>8.0 Establish Radiological Controls and Maintain Onsite Personnel Safety</b></p> <p>8.1 Keep the Security Supervisor at the Command Guard House informed of emergency classification, plant status and any radioactive releases which may effect Security Personnel.</p> <p>8.2 Once established, maintain personnel accountability.</p>	

Attachment 7  
Shift Manager Security Event Checklist  
Sheet 5 of 9

<b>Continuous Responsibility/Activity (Emergency Director)</b>	<b>Notes</b>
<p>8.3 <b>IF</b> the potential for abnormal radiological conditions in-plant or onsite exists, <b>THEN</b>:</p> <ul style="list-style-type: none"> <li>A. Direct the Watch Health Physics Technician to establish radiological controls for the Central Control Room and initiate habitability monitoring for the Central Control Room.</li> <li>B. Evaluate the need to perform a site evacuation per IP-1027, Personnel Accountability and Evacuation.</li> <li>C. Authorize emergency exposure, if necessary, per Form IP-1023-6, Emergency Exposure Authorization.</li> </ul> <p>8.4 <b>IF</b> an on-site medical emergency occurs, <b>THEN</b> implement IP-1012, On-site Medical Emergency.</p>	
<p><b>9.0 Perform Periodic Update Notifications</b></p> <p>9.1 Periodic update notifications to offsite authorities should be made approximately every 30 minutes or more frequently when plant conditions change.</p> <p>9.2 For each update notification, complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Emergency Data Form, Part I."</p> <p>9.3 <b>IF</b> there has been a radiological release to the environment, <b>THEN</b> complete (or have completed) and sign a Form IP-1030-1 "NYS Radiological Data Form, Part II."</p> <p>9.4 For periodic update notifications during an <b>Unusual Events</b>, direct the CCR Communicator to perform update notifications using Form IP-1002-1 "CCR NUE Notification Checklist".</p> <p>9.5 For periodic update notifications during an <b>Alert or higher</b> classifications, direct the CCR Communicator to perform update notifications using Form IP-1002-3 "Upgrade/Update Notification Alert/SAE/GE Initial Notification Checklist".</p>	

Attachment 7

Shift Manager Security Event Checklist

Sheet 6 of 9

<p><b>Continuous Responsibility/Activity (Emergency Director)</b></p>	<p><b>Notes</b></p>
<p><b>10.0 Turnover Emergency Director Responsibilities</b></p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE:</b></p> <p>For Unusual Events, the Shift Manager will normally maintain the Emergency Director responsibilities until the classification is terminated per IP-EP-610, Emergency Termination &amp; Recovery. For Alert and higher classifications, the Emergency Plant Manager will relieve the Shift Manager of Emergency Director duties in the Control Room. However, the On-Call Emergency Director in the EOF may, at his discretion, assume Emergency Director duties directly from the Shift Manager via telephone turnover.</p> </div> <p>10.1 Provide a status briefing to the Emergency Plant Manager upon his arrival in the Central Control Room. The Emergency Plant Manager will request status on all of the information specified on Form IP-1035-2, Essential Information Checklist.</p> <p>10.2 Provide copies of all completed NYS radiological Emergency Data forms to the Emergency Plant Manager.</p> <p>10.3 Resume duties as Shift Manager and proceed to step 12.0 in the Continuous Responsibility/Activity (Shift Manager) section.</p>	
<p><b>11.0 Terminate the Emergency (Unusual Event Only)</b></p> <p>11.1 When conditions warrant termination of the Unusual Event, enter IP-EP-610 Emergency Termination &amp; Recovery and terminate the emergency per section 6.1 "Transition and Recovery Following an Unusual Event."</p> <p>11.2 Exit this section after termination of the emergency and enter the Closeout Responsibility/Activity section at step 17.0.</p>	

Attachment 7  
Shift Manager Security Event Checklist  
Sheet 7 of 9

<p align="center"><u>Continuous Responsibility/Activity (Shift Manager)</u></p>	<p align="center"><u>Notes</u></p>
<p><b>12.0 Evaluate Emergency Action Levels</b></p> <p>12.1 Continue to evaluate current plant condition and events relative to the emergency action levels as specified in IP-1024, Emergency Classification.</p> <p>12.2 Make recommendations to the Emergency Director and Emergency Plant Manager for upgrading of the emergency classification as appropriate.</p>	
<p><b>13.0 Maintain Communications with the Emergency Plant Manager and Emergency Director</b></p> <p>13.1 Keep the Emergency Plant Manager and Emergency Director informed of current plant status and planned operations.</p> <p>13.2 Discuss tasks and procedures the Control Room is currently performing and review priorities on a regular basis.</p> <p>13.3 IMMEDIATELY inform the Emergency Plant Manager and Emergency Director of any plant condition or event that has the potential to change the emergency classification or affect radiological release status.</p>	
<p><b>14.0 Coordinate In-Plant Team Activities with the Operations Coordinator in the OSC</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p align="center"><b>NOTE:</b></p> <p>Once the OSC is activated, the dispatch of personnel into the field for emergency operations is controlled from the OSC. Communications and directions can be provided to the teams from the Control Room, however, the OSC must retain team control for personnel safety and continuous accountability.</p> </div> <p>14.1 Once the OSC is activated, coordinate the dispatch and control of NPOs assigned to perform in-plant operations with the Operations Coordinator located in the OSC.</p>	<p>Operations Coordinator telephone # in OSC: <b>734-5556</b></p>

Attachment 7

Shift Manager Security Event Checklist

Sheet 8 of 9

<b><u>Continuous Responsibility/Activity (Shift Manager)</u></b>	<b><u>Notes</u></b>
<p>14.2 For operations teams already dispatched and in the field prior to the OSC being activated, coordinate the transfer of team control to the OSC with the Operations Coordinator.</p> <p>14.3 Direct requests for in-plant operational support IMMEDIATELY to the Operations Coordinator in the OSC to facilitate prompt response to Control Room needs. Keep the Emergency Plant Manager informed of all requests.</p> <p>14.4 Re-enforce Control Room priorities and needs with the Emergency Plant Manager if in-plant team support is not being provided in a timely and effective manner.</p>	
<p><b>15.0 Request Technical Support as Needed to Mitigate the Emergency</b></p> <p>15.1 Request the TSC Manager to provide forward-looking technical support as needed to assist the Control Room staff in responding to the emergency.</p> <p>15.2 Provide the Emergency Plant Manager and TSC Manager with periodic briefs on current mitigation strategies and emergency procedures currently being implemented.</p>	
<p><b>16.0 Exit to Recovery Phase</b></p> <p>16.1 Upon notification from the Emergency Director that the emergency has been terminated, exit this section and enter the Closeout Responsibility/Activity section at step 17.0.</p>	

Attachment 7  
Shift Manager Security Event Checklist  
Sheet 9 of 9

<b><u>Closeout Responsibility/Activity</u></b>	<b><u>Notes</u></b>
<p><b>17.0 Direct the Control Room staff to return all equipment utilized in the response to proper storage locations</b></p>	
<p><b>18.0 Review all documentation the Control Room staff generated during the emergency:</b></p> <p>18.1 Ensure all logs, forms and other documentation are complete.</p> <p>18.2 Ensure all temporary procedures used and/or developed are properly documented for use by the Recovery Organization so that necessary actions can be taken for long-term restoration.</p> <p>18.3 Collect all computer printouts and strip charts.</p>	
<p><b>19.0 Provide all logs and records to the Recovery Manager upon termination of the emergency and entry into the Recovery Phase.</b></p>	