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PRC HECG-ATT.08 000	5	A	1	H	83983
PRC HECG-HECG-TOC 000	22	A	1	H	83893
PRC HECG-SECT.09.1 (BASIS) 000	1	A	1	H	84029

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AD001

HOPE CREEK GENERATING STATION  
EVENT CLASSIFICATION GUIDE  
October 10, 2000

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CHANGE PAGES FOR  
REVISION #22

The Table of Contents forms a general guide to the current revision of each section and attachment of the Hope Creek ECG. The changes that are made in this TOC Revision #22 are shown below.

1. Check that your revision packet is complete.
2. Add the revised documents.
3. Remove and recycle the outdated material listed below.

ADD			REMOVE		
<u>Pages</u>	<u>Description</u>	<u>Rev.</u>	<u>Pages</u>	<u>Description</u>	<u>Rev.</u>
ALL	TOC	22	ALL	TOC	21
All	Attachment 8	05	All	Attachment 8	04

REVISION SUMMARY:

1. Attachment 8 - Corrected typographical error.

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HOPE CREEK EVENT CLASSIFICATION GUIDE  
TABLE OF CONTENTS/SIGNATURE PAGE

HECG0065

<u>SECTION</u>	<u>TITLE</u>	<u>REV #</u>	<u>PAGES</u>	<u>DATE</u>
T.O.C.	Table of Contents/Signature Page	22	4	10/10/00
i	Introduction and Usage	01	10	06/29/00
ii	Glossary of Acronyms & Abbreviations	00	5	01/21/97
1.0	<b>Fuel Clad Challenge</b>	00	1	01/21/97
2.0	<b>RCS Challenge</b>	00	1	01/21/97
3.0	<b>Fission Product Barriers (Table)</b>	00	1	01/21/97
4.0	<b>EC Discretion</b>	00	1	01/21/97
5.0	<b>Failure to SCRAM</b>	00	1	01/21/97
6.0	<b>Radiological Releases/Occurrences</b>			
6.1	Gaseous Effluent Release	00	4	01/21/97
6.2	Liquid Effluent Release	00	1	01/21/97
6.3	In - Plant Radiation Occurrences	00	1	01/21/97
6.4	Irradiated Fuel Event	00	2	01/21/97
7.0	<b>Electrical Power</b>			
7.1	Loss of AC Power Capabilities	00	2	01/21/97
7.2	Loss of DC Power Capabilities	00	1	01/21/97
8.0	<b>System Malfunctions</b>			
8.1	Loss of Heat Removal Capability	00	1	01/21/97
8.2	Loss of Overhead Annunciators	00	1	01/21/97
8.3	Loss of Communications Capability	00	1	01/21/97
8.4	Control Room Evacuation	01	1	03/13/97
8.5	Technical Specifications	00	1	01/21/97
9.0	<b>Hazards - Internal/External</b>			
9.1	Security Threats	00	1	01/21/97
9.2	Fire	00	1	01/21/97
9.3	Explosion	00	1	01/21/97
9.4	Toxic/Flammable Gases	00	2	01/21/97
9.5	Seismic Event	00	1	01/21/97
9.6	High Winds	00	1	01/21/97
9.7	Flooding	00	1	01/21/97
9.8	Turbine Failure/Vehicle Crash/ Missile Impact	00	1	01/21/97
9.9	River Level	00	1	01/21/97
10.0	Reserved for future use	N/A		
WC	<b>Hope Creek ECG Charts (Located in ERFs)</b>	00	2	01/21/97

**HOPE CREEK EVENT REPORTABLE ACTION LEVELS  
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Licensing is responsible for the Reportable Action Level (Section 11)  
and associated Attachments (marked by "L")

<u>SECTION</u>	<u>TITLE</u>	<u>REV #</u>	<u>PAGES</u>	<u>DATE</u>
11.0	<b>Reportable Action Levels (RALs)</b>			
11.1	Technical Specifications	01	2	08/28/97
11.2	Design Basis/ Unanalyzed Condition	00	2	01/21/97
11.3	Engineered Safety Features (ESF)	01	1	08/28/97
11.4	Personnel Safety/Overexposure	00	2	01/21/97
11.5	Environmental	00	1	01/21/97
11.6	After-the-Fact	00	1	01/21/97
11.7	Security/Emergency Response Capabilities	02	1	12/15/99
11.8	Public Interest	00	1	01/21/97
11.9	Accidental Criticality/ Special Nuclear Material / Rad Material Shipments - Releases	01	2	02/18/00
11.10	Voluntary Notifications	00	1	01/21/97

**HOPE CREEK EVENT CLASSIFICATION GUIDE  
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Licensing is responsible for the Reportable Action Level (Section 11)  
and associated Attachments (marked by "L")

<u>ATTACHMENT</u>	<u>TITLE</u>	<u>REV #</u>	<u>PAGES</u>	<u>DATE</u>
1	UNUSUAL EVENT	03	2	02/29/00
2	ALERT	03	2	02/29/00
3	SITE AREA EMERGENCY	03	2	02/29/00
4	GENERAL EMERGENCY	03	5	02/29/00
5	L NRC Data Sheet Completion Reference	00	7	01/21/97
6	Primary Communicator Log	14	8	08/15/00
7	Primary Communicator Log (GE)	deleted		02/29/00
8	Secondary Communicator Log	05	9	10/10/00
9	L Non-Emergency Notifications Reference	12	3	08/15/00
10	L 1 Hr Report - NRC Regional Office	00	3	01/21/97
11	L 1 Hr Report (Common Site) Security/Safeguards	00	3	01/21/97
12	L 1 Hr Report - NRC Operations	00	3	01/21/97
13	L 4 Hr Report - Contaminated Events Outside Of The RCA	00	7	01/21/97
14	L 4 Hr Report - NRC Operations	01	3	05/01/98
15	L Environmental Protection Plan	01	3	03/13/97
16	L Spill / Discharge Reporting	01	7	03/29/00
17	L 4 Hr Report - Fatality or Medical Emergency	00	4	01/21/97
18	L 4 Hr Report - Radiological Transportation Accident	01	4	05/12/97
19	L 24 Hr Report - Fitness For Duty (FFD) Program Events	01	3	05/12/97
20	L 24 Hour Report - NRC Regional Office	00	3	01/21/97
21	L Reportable Event - LAC/Memorandum Of Understanding (M.O.U.)	00	2	01/21/97
22	L T/S Required Engineering Evaluation	00	2	01/21/97
23	Reserved			
24	UNUSUAL EVENT (Common Site)	04	3	02/29/00
25	L 1 Hr Report (Common Site) - Major Loss Of Emergency Assessment, Offsite Response, <u>OR</u> Communications Capability	01	3	07/22/99

**SIGNATURE PAGE**

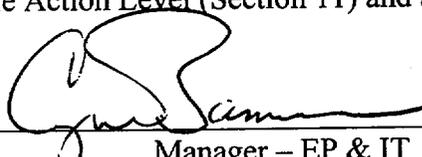
Prepared By: William L. Detwiler, Rev 18 09/21/2000  
(If Editorial Revisions Only, Last Approved Revision) Date

Section/Attachments Revised: N/A \_\_\_\_\_  
(List Non-Editorial Only - Section/Attachments) Date

Reviewed By: N/A \_\_\_\_\_  
Station Qualified Reviewer Date

Reviewed By: N/A \_\_\_\_\_  
Department Manager Date

Reviewed By: N/A \_\_\_\_\_  
Manager - Licensing Date  
(Reportable Action Level (Section 11) and associated Attachments marked by "L")

Reviewed By:  10/2/00  
Manager - EP & IT Date

Reviewed By: N/A \_\_\_\_\_  
Manager - Quality Assessment - NBU Date  
(If Applicable)

**SORC Review and Station Approvals**

<u>N/A</u>	<u>N/A</u>
Mtg. No. Hope Creek Chairman	Vice President Nuclear Operations
_____	_____
Date	Date

Effective Date of this Revision: 10/10/00  
Date

ATTACHMENT 8

SECONDARY COMMUNICATOR LOG

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Table of Contents

<u>Pages</u>	
1 - 2	Notifications & Data Collection/Transmission
3 - 4	Incoming Calls (BNE, DEMA, OEM, AAAG, etc.)
5	Major Equipment & Electrical Status (MEES) form
6	Operational Status Board (OSB) form
7 - 8	Station Status Checklist (SSCL) form
9	Common Site UNUSUAL EVENT – Station Status Checklist form

Emergency Classification: (circle)	UE	ALERT	SAE	GE
Name: _____ (Print)	Position: CM2 /TSC2/ EOF2 (Circle)			

A. NOTIFICATIONS

**NOTE**

A new Attachment 8 is required to be implemented if the classification changes or Protective Action Recommendations (PAR) Upgrades.

Initials

1. OBTAIN a copy of Attachment 6 and ASSIST Primary Communicator with 15-minute notifications, as necessary. \_\_\_\_\_  
CM2/TSC2/EOF2
  
2. DIRECT the Shift Rad Pro Tech (SRPT) (x3741) to implement **EPIP 301H**, RPT Onshift Response. (N/A for Common Site)
 

Name: _____	Time: _____	_____ CM2
-------------	-------------	--------------
  
3. For an ALERT or higher emergency;
  - a. CALLOUT an additional NSTA.
 

Name: _____	Time: _____	_____ CM2
-------------	-------------	--------------
  
  - b. ACTIVATE **ERDS** within 60 minutes from EITHER the NSS Office or the CR SPDS terminal;
    - 1) PRESS <ERDS> key.
    - 2) PRESS <Pg Up> key to select "ACTIVATE ERDS COMMUNICATION."
    - 3) FOLLOW screen prompts. \_\_\_\_\_  
CM2

**A. NOTIFICATIONS (cont'd)**

4. OBTAIN a copy of the **ICMF** and FAX the ICMF to Group A. \_\_\_\_\_  
CM2/TSC2/EOF2
5. COMPLETE a **Station Status Checklist (SSCL)** Form, Pg. 7 or  
Common Site UNUSUAL EVENT **Station Status Checklist (SSCL)** Form, Pg. 9;
- ( ) a. OBTAIN OS (TSS/SSM) assistance, as needed for Pg.1.  
( ) b. OBTAIN SRPT (RAC/RSM) assistance, as needed for Pg.2.  
(N/A for Common Site)  
( ) c. FAX to Group B. (EOF2 – FAX to Group D)  
( ) d. IF fax transmission of the SSCL is incomplete,  
THEN CONTACT the State Agencies listed below, READ the data,  
AND DOCUMENT on SSCL, Pg. 2.

**DEMA** Delaware Emergency Management Agency 302-659-2290  
**BNE** NJ Bureau of Nuclear Engineering 609-984-7700

\_\_\_\_\_  
CM2/TSC2/EOF2

6. OBTAIN a completed **NRC Data Sheet** from the CM-1 and  
FAX form to Group B (EOF2 – FAX to Group D) \_\_\_\_\_  
CM2/TSC2/EOF2
7. REPEAT Step 5 approximately every half hour OR IMMEDIATELY  
for significant changes in Station status, until either Turnover or relief. \_\_\_\_\_  
CM2/TSC2/EOF2
8. **TURNOVER** responsibility for offsite notifications and offsite data  
updates (SSCLs) to the oncoming facility (TSC or EOF);
- ( ) a. GIVE names and phone numbers of contacts already made with any  
Offsite Agencies.  
( ) b. GIVE time for next SSCL. \_\_\_\_\_  
CM2/TSC2

**B. DATA COLLECTION/TRANSMISSION**

1. WHEN in an **ALERT** or higher emergency  
OR AFTER significant changes in plant status;  
THEN COMPLETE the **Major Equipment and Electrical Status (MEES)** Form.
- ( ) a. OBTAIN Licensed Operator review.  
( ) b. GIVE a copy to the OSC Coordinator.  
( ) c. FAX to Group C. \_\_\_\_\_  
CM2

**B. DATA COLLECTION/TRANSMISSION (cont'd)**

2. IF requested by the TSC,  
THEN COMPLETE the **Operational Status Board (OSB)** Form every 15 minutes;  
(TSS may modify the frequency or data list as appropriate)

- ( ) a. OBTAIN Licensed Operator review.
- ( ) b. FAX to Group C

\_\_\_\_\_ CM2

3. VERIFY availability of "OPERATIONAL STATUS BOARD (OSB) FORM"  
data on the VAX printer.

- ( ) a. IF OSB data is available,  
THEN SELECT or REQUEST Rad Pro to select Menu Option #2  
(Current Ops Status) every 15 minutes on the VAX LA 120.
- ( ) b. IF VAX data is NOT available,  
THEN OBTAIN data from CRIDS Page Display # 232.
- ( ) c. IF CRIDS data is NOT available,  
THEN REQUEST the CM2 in CR to begin transmitting the OSB form.

\_\_\_\_\_ TSC2

4. ENSURE the Facility OSB and MEES Status Boards are updated;

- ( ) a. IF OSB data is NOT available,  
THEN REQUEST CM2 to perform step B.2, above. (data set and frequency  
of updates may be revised by the TSS based on event circumstances)
- ( ) b. WHEN significant changes in plant systems status occur,  
THEN REQUEST CM2 to perform step B.1, above.

\_\_\_\_\_ TSC2/EOF2

5. WHEN the emergency is terminated,  
THEN FORWARD this document and all completed Forms to the OS (TSS/SSM).

\_\_\_\_\_ CM2/TSC2/EOF2

**C. INCOMING CALLS**

STATE OFFICIALS

1. IF Notifications authority has transferred,  
THEN DIRECT the caller to contact the TSC (or EOF if activated).

\_\_\_\_\_ CM2/TSC2

2. WHEN contacted by any State Agency Officials (listed here),

**DEMA** - Delaware Emergency Management Agency  
**AAAG** - Delaware Accident Assessment Advisory Group  
**BNE** - NJ Bureau of Nuclear Engineering  
**DEP** - NJ Department of Environmental Protection  
**OEM** - NJ Office of Emergency Management

PERFORM the following, on Pg. 4;

C. INCOMING CALLS (cont'd)

STATE OFFICIALS

( ) a. OBTAIN and RECORD;  
Agency                      Caller's Name                      Phone #  
\_\_\_\_\_  
\_\_\_\_\_

( ) b. READ the latest EC approved SSCL.

( ) c. IF caller is NJ-BNE, DEMA, or AAAG,  
THEN also READ the approved NRC Data Sheet Event Description. \_\_\_\_\_  
CM2/TSC2/EOF2

NEWS MEDIA

**CAUTION**

**Communicators are NOT authorized to release any information to the News Media.**

3. WHEN contacted by any News Media representative,  
READ the appropriate message below;

( ) a. IF the ENC is not activated (Unusual Event), say;  
"You are requested to contact the Nuclear Communications Office  
at any of the following numbers; 856-339-1186."

( ) b. IF the ENC is activated (ALERT or higher), say;  
"You are requested to contact the Media Information Operator at  
any of the following numbers; 856-273-0188, -0282, -0386, -  
0479, or -0586."

\_\_\_\_\_  
CM2/TSC2/EOF2

NRC OPERATIONS CENTER

4. WHEN directed by the NRC to TERMINATE ERDS transmission,  
THEN GO TO any CR SPDS terminal AND PROCEED as follows;

- a. PRESS <ERDS> key.
- b. PRESS <Pg Dn> key to select "TERMINATE ERDS COMMUNICATION."
- c. FOLLOW screen prompts.
- d. WHEN completed, NOTIFY the OS.

\_\_\_\_\_  
CM2

# HOPE CREEK

DATE: \_\_\_\_\_  
UPDATE TIME: \_\_\_\_\_

## MAJOR EQUIPMENT AND ELECTRICAL STATUS

NOTE: Y = IN SERVICE N = OUT OF SERVICE (CIRCLE ANY UNAVAILABLE EQUIPMENT)			REACTIVITY CONTROL	ELECT. FEED	Y/N	CONTAINMENT CONTROL	ELECT. FEED	Y/N		
			SLC PUMPS	A	B212	FRVS RECIRC FANS	A	B410		
				B	B222		E	B450		
			RWCU PUMPS	A	B254		B	B420		
				B	B264		F	B460		
			REACTOR RECIRC PUMPS	A	A110		C	B430		
				B	A120		D	B440		
WATER COOLING SYSTEMS	ELECT. FEED	Y/N	CRD PUMPS	A	B430	FRVS VENT FANS	A	B212		
				B	B440		B	B222		
SW PUMPS	A	A401	ELECTRICAL STATUS			Y/N	H2 RECOMBINERS	A	B410	
	C	A403	OFFSITE AC POWER AVAILABLE					B	B480	
	B	A402	EMERGENCY DIESELS			RUN	PCIG COMPRESSORS	A	B232	
	D	A404			LOADED			B	B242	
SACS PUMPS	A	A401	EDG	A		SERVICE AIR COMPRESSORS			ELECT. FEED	Y/N
	C	A403		B			00K107	A120		
	B	A402		C			10K107	A110		
	D	A404		D						
RACS PUMPS	A	B415	HVAC	ELECT. FEED	Y/N	EMER. INST. AIR COMPRESSOR	ELECT. FEED	Y/N		
	B	B426				10K100	B450			
	C	B250	TURBINE BLDG	A	A110	ECCS			ELECT. FEED	Y/N
CIRC WATER PUMPS	A	A501	CHILLED WATER CHILLERS	B	A120	RHR PUMPS			A	A401
	B	A502		C	A101				C	A403
	C	A501		D	A110				B	A402
	D	A502	TURBINE BLDG	A	B130				D	A404
CONDENSATE/FEEDWATER	ELECT. FEED	Y/N	CHILLED WATER	B	B120	RCIC PUMPS			STEAM	
			CIRC PUMPS	C	B110	HPCI PUMPS			STEAM	
PRIMARY CONDENSATE PUMPS	A	A110	CONTROL AREA	A	B431	CORE			A	A401
	B	A120	CHILLED WATER			SPRAY PUMPS			C	A403
	C	A102	CIRC PUMPS	B	B441				B	A402
SECONDARY CONDENSATE PUMPS	A	A110	CONTROL AREA	A	A403				D	A404
	B	A120	CHILLED WATER							
	C	A104	CHILLERS	B	A404					
FEED WATER PUMPS	A	STEAM	TSC	A	B451					
	B	STEAM	CHILLED WATER							
	C	STEAM	CIRC PUMPS	B	B461					
			TSC	A	A401					
			CHILLED WATER							
			CHILLERS	B	A402					

LICENSED OPERATOR REVIEW: \_\_\_\_\_

INITIALS

# OPERATIONAL STATUS BOARD - HOPE CREEK

NOTE: 1) IF REQUESTED, TRANSMIT THIS FORM TO GROUP C (TSC AND EOF) EVERY 15 MINUTES.  
2) PROVIDE A COPY TO THE OSC COORDINATOR.  
3) SEE CRIDS PAGE 232 FOR DATA.

DATE: \_\_\_\_\_

## TIMES (24-HOUR CLOCK)

I.	BALANCE OF PLANT	INST E PLAN	UNITS	_____	_____	_____	_____
	A. CST LEVEL	(1)	X 10 <sup>4</sup> GAL	_____	_____	_____	_____
	B. CONDENSER PRESSURE	(2)	IN. HGa	_____	_____	_____	_____
	C. RCIC FLOW	(3)	GPM	_____	_____	_____	_____
	D. FEED FLOW	(4)	MLB/HR	_____	_____	_____	_____
II.	ECCS						
	A. RHR/LPCI FLOW-A**	(5)	GPM	_____	_____	_____	_____
	RHR/LPCI FLOW-C	(5)	GPM	_____	_____	_____	_____
	RHR/LPCI FLOW-B**	(6)	GPM	_____	_____	_____	_____
	RHR/LPCI FLOW-D	(6)	GPM	_____	_____	_____	_____
	B. HPCI PUMP FLOW	(7)	GPM	_____	_____	_____	_____
	C. CORE SPRAY FLOW-A	(8)	GPM	_____	_____	_____	_____
	CORE SPRAY FLOW-B	(9)	GPM	_____	_____	_____	_____
	D. SRV (OPEN) STATUS	(10)	# OPEN	_____	_____	_____	_____
III.	RX COOLANT SYSTEM						
	A. POWER	(11-16)	% or CPS	_____	_____	_____	_____
	B. WATER LEVEL	(17,20,21,22)	IN.	_____	_____	_____	_____
	C. PRESSURE	(18,19)	PSIG	_____	_____	_____	_____
	D. TEMPERATURE	(23)	DEGREES F	_____	_____	_____	_____
	E. RECIRC FLOW - A LOOP	(24)	X 10 <sup>3</sup> GPM	_____	_____	_____	_____
	RECIRC FLOW - B LOOP	(24)	X 10 <sup>3</sup> GPM	_____	_____	_____	_____
	F. JET PUMP FLOW (TOTAL)	(25)	MLB/HR	_____	_____	_____	_____
IV.	CONTAINMENT						
	A. DRYWELL PRESSURE	(26,27)	PSIG	_____	_____	_____	_____
	TEMPERATURE	(28,29)	DEGREES F	_____	_____	_____	_____
	H2 CONC.	(30,31)	%	_____	_____	_____	_____
	O2 CONC.	(30,31)	%	_____	_____	_____	_____
	B. SUPP. CHAMBER PRESS.	(26,27)	PSIG	_____	_____	_____	_____
	AIR TEMPERATURE	(28,29)	DEGREES F	_____	_____	_____	_____
	WATER LEVEL	(32)	IN.	_____	_____	_____	_____
	WATER TEMPERATURE	(33,34)	DEGREES F	_____	_____	_____	_____
	C. RX BLDG. DELTA P	(35,36)	IN. H <sub>2</sub> O	_____	_____	_____	_____
V.	SSCL						
	A. OFFSITE POWER AVAILABLE?		YES/NO	_____	_____	_____	_____
	B. 3 OR MORE DG'S AVAILABLE?		YES/NO	_____	_____	_____	_____
	C. DID ANY ECCS ACTUATE?		YES/NO	_____	_____	_____	_____
	D. IS THE CONTAINMENT BARRIER FAILED?		YES/NO	_____	_____	_____	_____

LICENSED OPERATOR REVIEW  
OTHER SIGNIFICANT ITEMS

INITIALS: \_\_\_\_\_

\*\* IF NOT IN LPCI MODE FLOW RATE IS CIRCLED (I.e. S/D COOLING, CONT. SPRAY, ETC.)

Operational Information

HOPE CREEK GENERATING STATION Message Date \_\_\_\_\_ Time \_\_\_\_\_

Transmitted By: Name \_\_\_\_\_ Position \_\_\_\_\_  
(CR/TSC/EOF)

1. Date and Time Event Declared: Date \_\_\_\_\_ Time \_\_\_\_\_ (24 hr clock)

2. Event Classification:  Unusual Event  Site Area Emergency  
 Alert  General Emergency

3. Cause of Event: Primary Initiating Condition used for declaration

EAL #(s) \_\_\_\_\_

Description of the event \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Status of Reactor:  Scrammed/Time \_\_\_\_\_  At Power  
 Startup  Hot Shutdown  Cold Shutdown  Refuel

5. Rx Pressure \_\_\_\_\_ psig Rx Temp \_\_\_\_\_ °F Rx Water Level \_\_\_\_\_ in.

6. Is offsite power available?  YES  NO

7. Are three or more diesel generators available?  YES  NO

8. Did any Emergency Core Cooling Systems actuate?  YES  NO

9. Is the Containment barrier failed? (Loss per EAL section 3.3)  YES  NO

10. Other pertinent information \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

APPROVED: \_\_\_\_\_

EC or TSS or SSM

Rev. 05



### Common Site Unusual Event STATION STATUS CHECKLIST

**Operational Information**

Message Date \_\_\_\_\_ Time \_\_\_\_\_

Transmitted by: Name \_\_\_\_\_ Position \_\_\_\_\_

1. Date and Time Event Declared: Date \_\_\_\_\_ Time: \_\_\_\_\_

2. Cause of event: Primary Initiating Condition used for declaration

EAL# \_\_\_\_\_

Description of the event:

\_\_\_\_\_

\_\_\_\_\_

33FT. LEVEL WIND DIRECTION (From): \_\_\_\_\_ WIND SPEED \_\_\_\_\_  
(From MET Computer) (DEGREES) (MPH)

3. Status of the Reactors	Mode: (Power, Startup, Hot Standby, Hot S/D, Cold S/D, Refuel.)	Rx Pressure	Rx Temp / Hottest Core Exit TC	Rx Water Level
Hope Creek		psig	°F	in.
Salem 1		psig	°F	
Salem 2		psig	°F	

	Hope Creek		Salem 1		Salem 2	
	YES	NO	YES	NO	YES	NO
4. Is offsite power available?						
5. Are two or more diesel generators operable?						
6. Did any Emergency Core Cooling Systems actuate?						
7. Is any Containment Barrier failed? (Loss per EAL section 3.3)						
8. Radiological release (> Tech Spec Limit) in progress		X		X		X

9. Other pertinent information \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
EC Initials  
(Approval to Transmit ICMF)

HOPE CREEK GENERATING STATION  
EVENT CLASSIFICATION GUIDE TECHNICAL BASIS

October 10, 2000

CHANGE PAGES FOR  
REVISION #08

PSE&G  
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COPY #

HECG0065

The Table of Contents forms a general guide to the current revision of each section and attachment of the Hope Creek ECG Technical Basis. The changes that are made in this TOC Revision #08 are shown below.

1. Check that your revision packet is complete.
2. Add the revised documents.
3. Remove and recycle the outdated material listed below.

ADD			REMOVE		
<u>Pages</u>	<u>Description</u>	<u>Rev.</u>	<u>Pages</u>	<u>Description</u>	<u>Rev.</u>
ALL	TOC	8	ALL	TOC	7
All	Section 9.1	1	All	Section 9.1	0

REVISION SUMMARY:

1. Added clarification to the Site Area Emergency unarmed intruder security event.
2. Changed SNSS to OS.
3. Deleted reference to PSE&G.

**PSE&G**  
**CONTROL**  
**COPY # HECG0065**

**HOPE CREEK ECG TECHNICAL BASIS**  
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ii	<b>Glossary of Acronyms &amp; Abbreviations</b>	00	5	01/21/97
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2.0	<b>RCS Challenge</b>	00	8	01/21/97
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4.0	<b>EC Discretion</b>	00	8	01/21/97
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**SIGNATURE PAGE**

Prepared By: William Detwiler, Rev. 0 09/26/00  
(If Editorial Revisions Only, Last Approved Revision) Date

Section/Attachments Revised: N/A \_\_\_\_\_  
(List Non-Editorial Only - Section/Attachments) Date

Reviewed By: N/A \_\_\_\_\_  
Station Qualified Reviewer Date

Reviewed By: N/A \_\_\_\_\_  
Department Manager Date

Reviewed By: N/A \_\_\_\_\_  
Manager – Licensing Date  
(Reportable Action Level (Section 11) and associated Attachments marked by “L”)

Reviewed By:  10/2/00  
Manager –EP & IT, Date

Reviewed By: N/A \_\_\_\_\_  
Manager – Quality Assessment - NBU Date  
(If Applicable)

**SORC Review and Station Approvals**

N/A N/A  
Mtg. No. Hope Creek Chairman Vice President - Nuclear Operations  
\_\_\_\_\_  
Date Date

Effective Date of this Revision: 10/10/00  
Date

**PSE&Q  
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## 9.0 Hazards - Internal/External

### 9.1 Security Threats

#### UNUSUAL EVENT - 9.1.1

**IC** Confirmed Security Event Which Indicates a Potential Degradation in the Level of Safety of the Plant

#### EAL

Confirmed security threat directed toward the station as evidenced by ANY one of the following:

- Credible threat of malicious acts or destructive device within the Protected Area, resulting in **SCP-5** implementation
- Credible intrusion or assault threat to the Protected Area, resulting in **SCP-5** implementation
- Attempted intrusion or assault to the Protected Area, resulting in **SCP-7** or **SCP-11** implementation
- Malicious acts attempted or discovered within the Protected Area, resulting in **SCP-10** implementation
- Hostage/Extortion situation that threatens normal plant operations, resulting in **SCP-8** implementation
- Destructive device discovered within the Protected Area, resulting in **SCP-10** implementation

#### OPERATIONAL CONDITION - All

#### BASIS

Security events classified under this EAL represent a potential degradation in the level of safety of the plant. The EAL threshold is satisfied if the event is identified as being directed toward the station. The intent of this EAL is to classify security events which threaten the Protected Area, but have not been determined to threaten Plant Vital Areas.

A confirmed security threat exists if physical evidence supporting the threat exists, if information independent from the actual threat exists, or if a specific group claims responsibility for the threat. The OS/EC should declare an Unusual Event upon consulting with Security to determine the validity of the entry conditions.

EAL - 9.1.1  
Rev. 01

Security Contingency Procedure (SCP) numbers are referenced following each EAL threshold. Since some SCP numbers appear in more than one EAL, the on-duty Security Supervisor will provide information concerning the specific event to aid in classification.

**Barrier Analysis**

N/A

**ESCALATION CRITERIA**

Emergency Classification will escalate to an Alert based upon an actual hostile intrusion or malicious acts within the Protected Area.

**DISCUSSION**

Security events, which do not represent a potential degradation in the level of safety of the plant, are reported under RAL Section 11.0, One Hour Non-Emergency Safeguards Event (10 CFR 73.71 or 10 CFR 50.72), and will not result in an Unusual Event declaration.

The following is an index of Security Contingency Procedures referenced by this event:

- SCP-5, "Security Threat"
- SCP-7, "Internal Disturbance"
- SCP-8, "Hostage Situation"
- SCP-10, "Discovery of Destructive Devices or Evidence of Malicious Acts"
- SCP-11, "Civil Disturbance"

**DEVIATION**

None

**REFERENCES**

NUMARC NESP-007, HU4.1, HU4.2  
Safeguards Contingency Plan

## 9.0 Hazards - Internal/External

### 9.1 Security Threats

#### ALERT - 9.1.2

IC Security Event in a Plant Protected Area

#### EAL

Confirmed hostile intrusion or malicious acts as evidenced by ANY one of the following:

- Discovery of an intruder(s), armed and violent, within the Protected Area, resulting in SCP-6 implementation
- Hostage held on-site in a non-vital area, resulting in SCP-8 implementation

#### OPERATIONAL CONDITION - All

#### BASIS

Security events classified under this EAL represent an escalated threat to the level of safety of the plant. The event is confirmed if physical evidence supporting the hostile intrusion or assault exists. The intent of this EAL is to classify security events that represent an actual intrusion into the Protected Area. The OS/EC should declare an Alert upon consulting with the Security to determine the validity of the entry conditions.

Security Contingency Procedure (SCP) numbers are referenced following each EAL threshold. Since some SCP numbers appear in more than one EAL, the on-duty Security Supervisor will provide information concerning the specific event to aid in classification.

#### Barrier Analysis

N/A

#### ESCALATION CRITERIA

Emergency Classification will be escalating to a Site Area Emergency based upon a hostile intrusion or act in Plant Vital Areas.

EAL - 9.1.2  
Rev. 01

## **DISCUSSION**

The following is an index of Security Contingency Procedures referenced by this event:

- **SCP-6**, "Discovery of Intruders or Attack"
- **SCP-8**, "Hostage Situation"

## **DEVIATION**

None

## **REFERENCES**

NUMARC NESP-007, HA4.1, HA4.2  
Safeguards Contingency Plan

## 9.0 Hazards - Internal/External

### 9.1 Security Threats

#### SITE AREA EMERGENCY - 9.1.3

**IC** Security Event in a Plant Vital Area

**EAL**

Confirmed hostile intrusion or malicious acts in Plant Vital Areas as evidenced by :

- Discovery of an intruder(s), armed and violent, within a Plant Vital Area, resulting in **SCP-6** implementation
- Malicious acts or destructive device discovered in a Plant Vital Area resulting in **SCP-10** implementation

**OPERATIONAL CONDITION - All**

**BASIS**

The first condition covered in this EAL covers a class of security events that represents an escalated threat to plant safety above that contained in an Alert. This EAL concerns a hostile intrusion or assault that has progressed from the Protected Area to a Vital Area. These areas contain vital equipment, which includes any equipment, system, device or material, the failure, destruction or release of could directly or indirectly endanger the public health and safety by exposure to radiation. Equipment or systems, which would be required to function to protect health and safety following such failure, destruction or release, are also considered vital.

The second condition covered in this EAL is intended to cover the discovery of malicious acts or destructive devices that could cause significant damage to a plant vital structure or more than one safety system. For malicious acts or destructive devices discovered in a plant vital structure that cannot cause significant damage to a plant vital structure or more than one safety system, evaluate EAL 9.1.1.

Security Contingency Procedure (SCP) numbers are referenced following each EAL threshold. Since some SCP numbers appear in more than one EAL, the on-duty Security Supervisor will provide information concerning the specific event to aid in classification.

**Barrier Analysis**

N/A

EAL - 9.1.3  
Rev. 01

## **ESCALATION CRITERIA**

Emergency Classification will escalate to a General Emergency based upon the actual loss of physical control of the Main Control Room or Remote Shutdown Panel.

## **DISCUSSION**

Plant Vital Areas are within the Protected Area and are generally controlled by card key readers. A hostile intrusion into a Plant Vital Area could represent a situation that threatens the safety of plant personnel and the general public.

The following is an index of the Security Contingency Procedure referenced by this event:

- **SCP-6**, "Discovery of Intruders or Attack"
- **SCP-10**, "Discovery of Destructive Device or Evidence of Malicious Acts"

## **DEVIATION**

None

## **REFERENCES**

NUMARC NESP-007, HS1.1, HS1.2  
Safeguards Contingency Plan

## 9.0 Hazards - Internal/External

### 9.1 Security Threats

#### GENERAL EMERGENCY - 9.1.4

IC Security Event Resulting in Loss of Ability to Reach and Maintain Cold Shutdown

**EAL**

Security event resulting in the actual loss of physical control of EITHER one of the following:

- Main Control Room
- Remote Shutdown Panel

**OPERATIONAL CONDITION - All**

**BASIS**

Security events classified under this EAL represent conditions under which a hostile force has taken physical control of areas required to reach and maintain Cold Shutdown. Both the Main Control Room and Remote Shutdown Panel are included, since control of either could hamper the operating crew's ability to perform a safe plant shutdown. **Actual loss of physical control** is defined as the condition where licensed Control Room Operators can no longer take required action to operate the plant, including unauthorized transfer of plant control from the Main Control Room.

**Barrier Analysis**

N/A

**ESCALATION CRITERIA**

N/A

**DISCUSSION**

Security threats, which meet the threshold for declaration of a General Emergency, are an actual loss of physical control of the Main Control Room or the Remote Shutdown Panel. This situation places the plant in a potentially unstable condition with high potential of multiple fission product barrier failures.

EAL - 9.1.4  
Rev. 01

**DEVIATION**

None

**REFERENCES**

NUMARC NESP-007, HG1.1, HG1.2  
Safeguards Contingency Plan