

DATE: DECEMBER 15, 1999

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HECG SECT 11.7 , RAL	REV 2
TOC	REV 15
HECG SECT 11.7 (BASIS)	REV 2
TOC	REV 5

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HOPE CREEK GENERATING STATION
EVENT CLASSIFICATION GUIDE
December 15, 1999

CHANGE PAGES FOR
REVISION #15

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 #15 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 Remove and recycle the outdated material listed below.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	15	ALL	TOC	14
Pg 1 of 1	Section 11.7, RAL	2	All	Section 11.7 RAL	1

REVISION SUMMARY:

Revision to RAL 11.7, 1-hour report

HOPE CREEK EVENT CLASSIFICATION GUIDE
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ii	Glossary of Acronyms & Abbreviations	00	5	01/21/97
1.0	Fuel Clad Challenge	00	1	01/21/97
2.0	RCS Challenge	00	1	01/21/97
3.0	Fission Product Barriers (Table)	00	1	01/21/97
4.0	EC Discretion	00	1	01/21/97
5.0	Failure to SCRAM	00	1	01/21/97
6.0	Radiological Releases/Occurrences			
6.1	Gaseous Effluent Release	00	4	01/21/97
6.2	Liquid Effluent Release	00	1	01/21/97
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6.4	Irradiated Fuel Event	00	2	01/21/97
7.0	Electrical Power			
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	System Malfunctions			
8.1	Loss of Heat Removal Capability	00	1	01/21/97
8.2	Loss of Overhead Annunciators	00	1	01/21/97
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8.4	Control Room Evacuation	01	1	03/13/97
8.5	Technical Specifications	00	1	01/21/97
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9.8	Turbine Failure/Vehicle Crash/ Missile Impact	00	1	01/21/97
9.9	River Level	00	1	01/21/97
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WC	Hope Creek ECG Charts (Located in ERFs)	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")

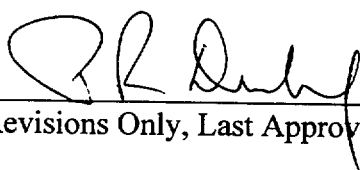
<u>SECTION</u>	<u>TITLE</u>	<u>REV #</u>	<u>PAGES</u>	<u>DATE</u>
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11.2	Design Basis/ Unanalyzed Condition	00	2	01/21/97
11.3	Engineered Safety Features (ESF)	01	1	08/28/97
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11.5	Environmental	00	1	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
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Licensing is responsible for the Reportable Action Level (Section 11)
and associated Attachments (marked by "L")

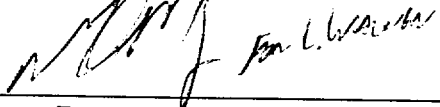
<u>ATTACHMENT</u>	<u>TITLE</u>	<u>REV #</u>	<u>PAGES</u>	<u>DATE</u>
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12	L 1 Hr Report - NRC Operations	00	3	01/21/97
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SIGNATURE PAGE


Prepared By: Paul Duke  12/1/99
(If Editorial Revisions Only, Last Approved Revision) Date

Section/Attachments Revised: 11.7
(List Non-Editorial Only - Section/Attachments) Date

Reviewed By: F. J. Hughes 12-1-99
Station Qualified Reviewer Date


Reviewed By:  12/1/99
Department Manager Date

Reviewed By:  12/3/99
Manager - Licensing Date
(Reportable Action Level (Section 11) and associated Attachments marked by "L")

Reviewed By:  12/6/99
Manager - CA, EP, & IT Date

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

SORC Review and Station Approvals

Mtg. No. N/A  12/10/99
Hope Creek Chairman Vice President Nuclear Operations Date

Effective Date of this Revision: _____
Date

11.0 Reportable Action Levels

11.7 Security / Emergency Response Capabilities

Initiating
Condition

SAFEGUARDS EVENTS THAT ARE DETERMINED TO BE NON-EMERGENCIES, BUT ARE REPORTABLE TO THE NRC WITHIN ONE HOUR [10CFR73.71(b)(1)]

MAJOR LOSS OF EMERGENCY ASSESSMENT CAPABILITY, OFFSITE RESPONSE CAPABILITY, OR COMMUNICATIONS CAPABILITY [10CFR50.72(b)(1)(v)]

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All

All

All

RAL #

11.7.1.a

11.7.1.b

11.7.1.c

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Any Non-Emergency safeguards event that is reportable in accordance with 10CFR73.71 as determined by Security (SCP-15)

OS/EC determines that an event(s) (excluding a scheduled test or preplanned maintenance activity) has occurred that would impair the ability to deal with an accident or emergency as indicated by the Loss of ANY one of the following:

THEN

- Nuclear Emergency Telecommunications System (NETS) for > 1 hr
- ENS for > 1 hr in the Control Room, TSC, or EOF (N/A if reported by the NRC).
- More than 17 Offsite Sirens for > 1 hr
- Use of the EOF for > 8 hrs
- All Meteorological data (Hope Creek AND Salem) for > 8 hrs
- Site access due to Acts of Nature (snow, flood, etc.)

- Use of the TSC for > 8 hrs
- SPV, NPV, or FRVS vent radiation effluent monitors with no alternate method of monitoring for > 72 hrs
- SPDS OR CRIDS for > 8 hrs
- The NRC phone line or Modem used for ERDS data transmission for > 1 hr (N/A if reported by the NRC).
- More than > 75% OHA's
- Concurrent multiple accident or emergency condition indicators which in the judgement of the OS significantly impairs assessment capabilities

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THEN

THEN

Action
Required

Refer to Attachment 11
1 Hour Report (Common Site)

Refer to Attachment 25
1 Hour Report (Common Site)

Refer to Attachment 12
1 Hour Report

HOPE CREEK GENERATING STATION
EVENT CLASSIFICATION GUIDE TECHNICAL BASIS
December 15, 1999

CHANGE PAGES FOR
REVISION #05

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 #05 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	5	ALL	TOC	4
All	Section 11.7,	2	All	Section 11.7	1

REVISION SUMMARY:

Revision to Technical Basis 11.7, 1-hour report - Remove and replace only section 11.7

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**HOPE CREEK ECG TECHNICAL BASIS
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2.0	RCS Challenge	00	8	01/21/97
3.0	Fission Product Barriers (Table)			
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6.2	Liquid Effluent Release	00	4	01/21/97
6.3	In - Plant Radiation Occurrences	00	6	01/21/97
6.4	Irradiated Fuel Event	00	8	01/21/97
7.0	Electrical Power			
7.1	Loss of AC Power Capabilities	01	18	05/12/97
7.2	Loss of DC Power Capabilities	00	5	01/21/97
8.0	System Malfunctions			
8.1	Loss of Heat Removal Capability	00	8	01/21/97
8.2	Loss of Overhead Annunciators	00	8	01/21/97
8.3	Loss of Communications Capability	00	4	01/21/97
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9.0	Hazards - Internal/External			
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9.3	Explosion	00	4	01/21/97
9.4	Toxic/Flammable Gases	00	11	01/21/97
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9.6	High Winds	00	7	01/21/97
9.7	Flooding	00	4	01/21/97
9.8	Turbine Failure/Vehicle Crash/ Missile Impact	00	6	01/21/97
9.9	River Level	00	4	01/21/97

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11.0	Reportable Action Levels (RALs)			
11.1	Technical Specifications	01	7	08/28/97
11.2	Design Basis/ Unanalyzed Condition	01	6	03/13/97
11.3	Engineered Safety Features (ESF)	02	7	12/29/98
11.4	Personnel Safety/Overexposure	00	8	01/21/97
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SIGNATURE PAGE

Prepared By: Paul Duke *PK Duke* 12/1/99
(If Editorial Revisions Only, Last Approved Revision) Date

Section/Attachments Revised: 11.7
(List Non-Editorial Only - Section/Attachments) Date

Reviewed By: *F J Hughes*
Station Qualified Reviewer 12-1-99
Date

Reviewed By: *W. J. ...* 12/6/99
Department Manager Date

Reviewed By: *Malom* 12/3/99
Manager - Licensing Date
(Reportable Action Level (Section 11) and associated Attachments marked by "L")

Reviewed By: *C. W. ...* 12-6-99
Manager - CA, EP, & IT, Date

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

SORC Review and Station Approvals

Mtg. No. N/A *MLB ...*
Hope Creek Chairman Vice President - Nuclear Operations
Date 12/10/99
Date

Effective Date of this Revision: 12/15/1999
Date

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11.0 Reportable Action Levels

11.7 Security / Emergency Response Capabilities

REPORTABLE ACTION LEVEL - 11.7.1.a

IC SAFEGUARDS EVENTS THAT ARE DETERMINED TO BE NON-EMERGENCIES, BUT ARE REPORTABLE TO THE NRC WITHIN ONE HOUR [10CFR73.71(b)(1)]

RAL

Any Non-Emergency safeguards event that is reportable in accordance with 10CFR73.71 as determined by Security (SCP-15)

OPERATIONAL CONDITION - All

BASIS

This RAL addresses those conditions requiring a one hour report in accordance with 10CFR73.71(b)(1). These non-emergency events are outlined in Security Contingency Procedure #15. The on-duty PSE&G Security Supervisor should provide information concerning the specific event.

REFERENCES

10CFR73.71(b)(1)
SCP-15

11.0 Reportable Action Levels

11.7 Security / Emergency Response Capabilities

REPORTABLE ACTION LEVEL - 11.7.1.b

IC MAJOR LOSS OF EMERGENCY ASSESSMENT CAPABILITY, OFFSITE RESPONSE CAPABILITY, OR COMMUNICATIONS CAPABILITY [10CFR50.72(b)(1)(v)]

RAL

OS/EC determines that an event(s) (excluding a scheduled test or preplanned maintenance activity) has occurred that would impair the ability to deal with an accident or emergency as indicated by the Loss of ANY one of the following:

- Nuclear Emergency Telecommunications System (NETS) for > 1 hr
- ENS for > 1 hr in the Control Room, TSC, or EOF (N/A if reported by the NRC)
- More than 17 Offsite Sirens for > 1 hr
- Use of the EOF for > 8 hrs
- All Meteorological data (Hope Creek AND Salem) for > 8 hrs
- Site access due to Acts of Nature (snow, flood, etc.)

OPERATIONAL CONDITION - All

BASIS

NOTE: IF losses are part of a scheduled test or preplanned maintenance activity AND
WHEN compensatory actions have been taken,
THEN NO report is required.

This RAL addresses conditions that are COMMON to both Hope Creek and Salem and may be reported to the NRC by EITHER station as a Common Site Event.

1. Loss of the NETS or ENS for > 1 hour directly affects the ability to promptly notify and communicate with the NRC and/or offsite officials.

IF a total loss of communications capabilities has occurred,
THEN REFER to ECG Section 8.2.

IF notified by the NRC Operations Officer of an inoperable ENS line,
THEN NO further notification is necessary.

2. Loss of Offsite Sirens (>25%) represents a loss of ability to promptly notify a large portion of the population, and warrants an immediate notification. There are 71 offsite sirens in the Plume EPZ and therefore a loss of ≥ 18 is a > 25% loss which represents a loss of Offsite Response Capability.
3. Use of the EOF may be vital in responding to an emergency. Loss of use of this facility or its supporting equipment, or ability to staff represents a significant loss of emergency response capability. Equipment losses that occur but still allow the facility to be used SHOULD NOT constitute a Loss of the EOF.
4. Loss of meteorological data for an extended period of time limits the ability to predict radiological conditions during an emergency situation. An extended loss warrants notification of the loss of this capability.
5. Limited site access may affect the ability to staff the site personnel and/or emergency response facilities, and the ability of off-site agencies to implement emergency plan requirements.

WHEN site reaction to anticipated conditions is commenced,
THEN notification should be made, if possible.

REFERENCES

10CFR50.72(b)(1)(v)
NUREG-1022, Rev. 1

11.0 Reportable Action Levels

11.7 Security / Emergency Response Capabilities

REPORTABLE ACTION LEVEL - 11.7.1.c

IC MAJOR LOSS OF EMERGENCY ASSESSMENT CAPABILITY, OFFSITE RESPONSE CAPABILITY, OR COMMUNICATIONS CAPABILITY [10CFR50.72(b)(1)(v)]

RAL

OS/EC determines that an event(s) (excluding a scheduled test or preplanned maintenance activity) has occurred that would impair the ability to deal with an accident or emergency as indicated by the Loss of ANY one of the following:

- Use of the TSC for > 8 hrs
- SPV, NPV, or FRVS vent effluent radiation monitors with no alternate method of monitoring for > 72 hrs
- SPDS OR CRIDS for > 8 hrs
- The NRC phone line or Modem used for ERDS data transmission for >1 hr (N/A if reported by the NRC)
- More than 75% of the OHAs
- Concurrent multiple accident or emergency condition indicators which in the judgment of the OS significantly impairs assessment capabilities

OPERATIONAL CONDITION - All

BASIS

NOTE: IF losses are part of a scheduled test or preplanned maintenance activity AND
WHEN compensatory actions have been taken,
THEN NO report is required.

1. Use of the TSC may be vital in responding to an emergency. Loss of use of this facility or ability to staff represents a significant loss of emergency response capability. Equipment losses that occur but still allow the facility to be used SHOULD NOT constitute a Loss of the TSC.
2. Loss of ALL effluent radiation monitors on ANY one of the plant vents with no alternate method of monitoring for an extended period of time (72hrs) limits the ability to predict radiological conditions during an emergency situation. An extended loss warrants notification of the loss of this capability.

3. Loss of SPDS or CRIDS for > 8 hours is considered an event that significantly impairs safety assessments capabilities.
4. Loss of the NRC phone line or Modem used for ERDS data transmission for >1hr need to be reported to the NRC, so the NRC can have them repaired. The phone line and modem are under the control of the NRC and there fore the NRC must take steps to coordinate repair activities. If reported by the NRC the 1hr notification does not apply.
5. Loss of OHAs for a short period of time (< 15 minutes) is considered a loss of emergency assessment capability in ALL operating conditions.

IF OHAs are lost or were lost for \geq 15 minutes when in OP Con 1-3,
THEN REFER to ECG Section 8.2.

6. Concurrent multiple accident or emergency condition indicators which in the judgment of the OS significantly impairs assessment capabilities is specific to Hope Creek in this RAL.

IF the loss of assessment capability is COMMON to both Hope Creek and Salem,
THEN REFER to RAL 11.7.1.b.

REFERENCES

10CFR50.72(b)(1)(v)
NUREG-1022, Rev. 1