

12/05/89

PUBLIC SERVICE ELECTRIC & GAS COMPANY  
DOCUMENT DISTRIBUTION NOTICE

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**HOPE CREEK GENERATING STATION  
EVENT CLASSIFICATION GUIDE**

November 29, 1989

**CHANGE PAGES FOR  
REVISION #4**

The Table of Contents forms a general guide to the current revision of each section of the Hope Creek Classification Guide. The changes that are made in this Revision #4 are shown below. Please check that your revision packet is complete and remove the outdated material listed below.

<u>ADD</u>			<u>REMOVE</u>		
<u>Page</u>	<u>Description</u>	<u>Rev.</u>	<u>Page</u>	<u>Description</u>	<u>Rev.</u>
1 of 2 thru 2 of 2	T.O.C.	4	1 of 2 thru 2 of 2	T.O.C.	3
1 of 2 thru 2 of 2	Sig. i-18	3	1 of 2 thru 2 of 2	Sig. i-18	2
1 of 2 thru 2 of 2	Section 5	2	1 of 2 thru 2 of 2	Section 5	1
1 of 1 thru 1 of 1	Section 6	1	1 of 1 thru 1 of 1	Section 6	0

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EVENT CLASSIFICATION GUIDE  
TABLE OF CONTENTS  
November 17, 1989

CONTROL

COPY # 65

SECTION	TITLE	REV.	PAGES	EFFECTIVE DATES
T.O.C.	Table of Contents	4	2	Nov 17, 1989
Sig. 1-18	Section Identification/Signature Page	3	2	Nov 17, 1989
Sig. Att.	ECG Attachments/Signature Page	2	2	Sept 29, 1989
i.	Introduction	0	6	May 26, 1989
ii.	Cross Reference - Event to Requirement	0	9	May 26, 1989
iii.	Cross Reference - Attachment to Events	1	1	Sept 29, 1989
1.	REACTOR COOLANT LEAKAGE/LOCA	0	1	May 26, 1989
2.	STEAM BREAK OR SRV FAILED OPEN	0	2	May 26, 1989
3.	FAILURE TO SCRAM	0	1	May 26, 1989
4.	LOSS OF DECAY HEAT REMOVAL	0	2	May 26, 1989
5.	FUEL DAMAGE/DEGRADED CORE	2	2	Nov 17, 1989
6.	FISSION PRODUCT BOUNDARY FAILURE	1	1	Nov 17, 1989
7.	RADIOLOGICAL RELEASES/OCCURRENCES	0	5	May 26, 1989
8.	NON-RADIOACTIVE LEAK/SPILL (toxic gas, oil spill, hazmat)	1	2	Sept 15, 1989
9.	ELECTRICAL POWER FAILURE	1	2	Sept 15, 1989
10.	LOSS OF INSTRUMENTS/ALARMS/COMMUNICATIONS	0	2	May 26, 1989
11.	CONTROL ROOM EVACUATION	0	1	May 26, 1989
12.	QUAKE/STORMS (earthquake, wind, floods, etc)	0	6	May 26, 1989
13.	SITE HAZARDS (aircraft crash, missiles, explosions, etc.)	0	5	May 26, 1989
14.	FIRE	1	1	Sept 15, 1989
15.	PERSONNEL EMERGENCIES/MEDICAL	0	2	May 26, 1989
16.	SECURITY EVENTS	1	3	Sept 15, 1989
17.	PUBLIC INTEREST ITEMS	1	3	Sept 29, 1989
18.	TECH SPECS/PLANT STATUS CHANGES	1	5	Sept 15, 1989



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<u>ATTACHMENT</u>	<u>TITLE</u>	<u>REV.</u>	<u>PAGES</u>	<u>EFFECTIVE DATE</u>
1.	Unusual Event	1	9	Aug 18, 1989
2.	Alert	0	8	May 26, 1989
3.	Site Area Emergency	0	8	May 26, 1989
4.	General Emergency	0	10	May 26, 1989
5.	Reserved			
6.	CM1 Log (UE/A/SAE)	1	6	Aug 18, 1989
7.	CM1 Log (GE)	1	7	Aug 18, 1989
8.	CM2 Log	1	12	Aug 18, 1989
9.	Non-Emergency Notifications Reference	1	2	Aug 18, 1989
10.	One Hour Report - NRC/Region	0	5	May 26, 1989
11.	One Hour Report - NRC/OPS (Security)	0	5	May 26, 1989
12.	One Hour Report - NRC/OPS	0	5	May 26, 1989
13.	Reserved			
14.	Four Hour Report - NRC/OPS	1	5	Aug 18, 1989
15.	Four Hour Report - Environmental	1	5	Sept 29, 1989
16.	Four Hour Report - Spill/Hazmat	0	6	May 26, 1989
17.	Four Hour Report - Fatality/Medical	1	7	Aug 18, 1989
18.	Four Hour Report - Transportation Accident	0	6	May 26, 1989
19.	Reserved			
20.	Twenty Four Hour Report - NRC/OPS	1	5	Aug 18, 1989
21.	Reportable Event - LACT/MOU	0	2	May 26, 1989
22.	Other/Engineering	0	3	May 26, 1989
23.	Written Reports/LEERS/Other	0	7	May 26, 1989

HOPE CREEK  
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SECTION SIGNATURE PAGES

November 17, 1989

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SIGNATURE PAGE

Prepared By: D. Fawcett 11/6/89  
(If Editorial Revisions Only, Last Approved Revision) Date

Reviewed By: [Signature] 11/7/89  
Station Qualified Reviewer Date

Significant Safety Issue  
( ) Yes (X) no  
Reviewed By: [Signature] 11/7/89  
Department Manager Date

Reviewed By: [Signature] 11/7/89  
Emergency Preparedness Manager Date

Reviewed By: N/A \_\_\_\_\_  
General Manager - Quality Assurance/Safety Review Date  
(If Applicable)

SORC Review and Station Approvals

Mtg. No. N/A Salem Chairman  
\_\_\_\_\_  
Date

89-130 [Signature]  
Mtg. No. Hope Creek Chairman  
11/13/89  
Date

N/A  
General Manager - Salem  
\_\_\_\_\_  
Date

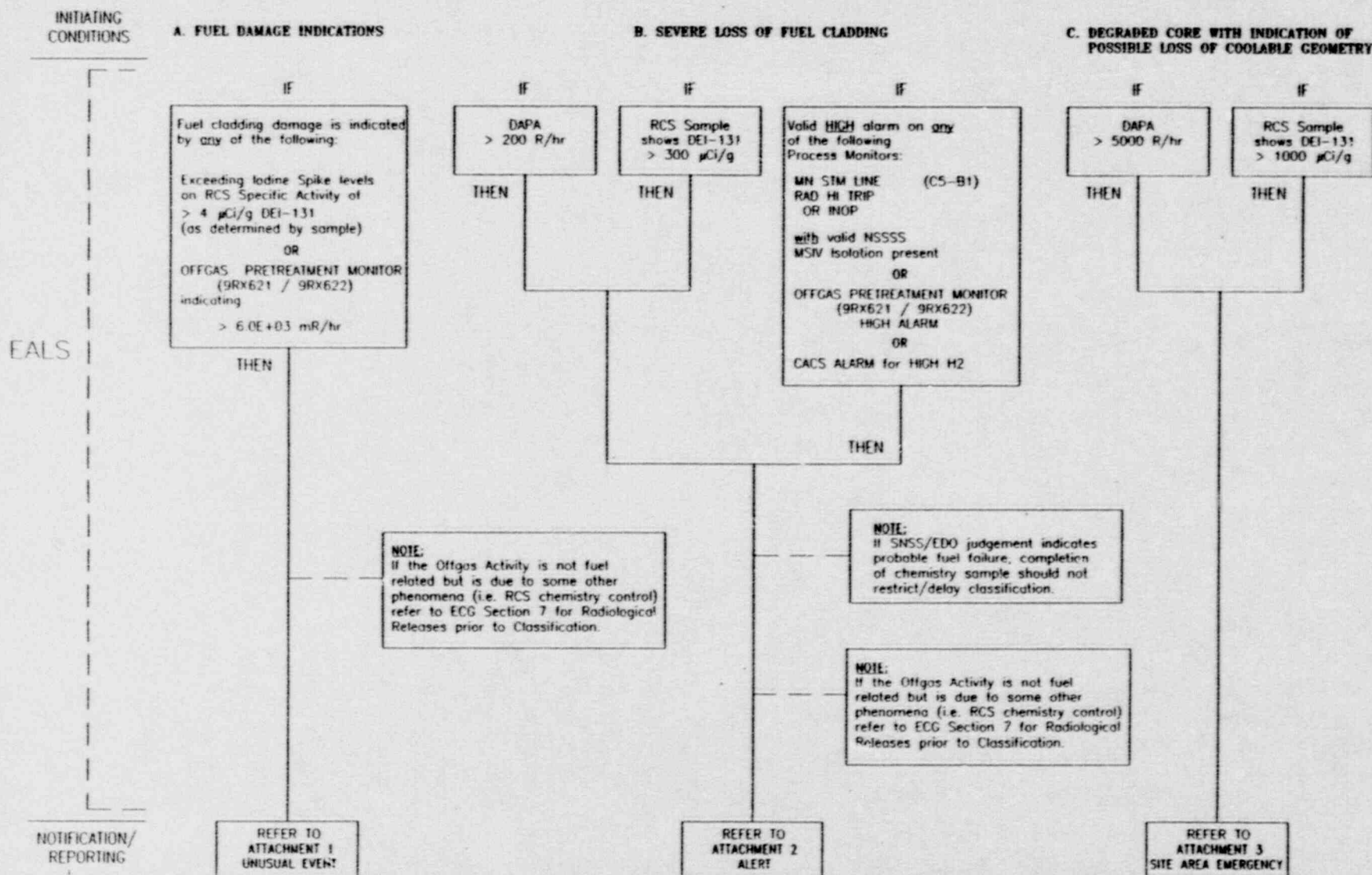
[Signature]  
General Manager - Hope Creek  
11/13/89  
Date



# SECTION 5

# FUEL DAMAGE / DEGRADED CORE

ECG  
SECTION 5  
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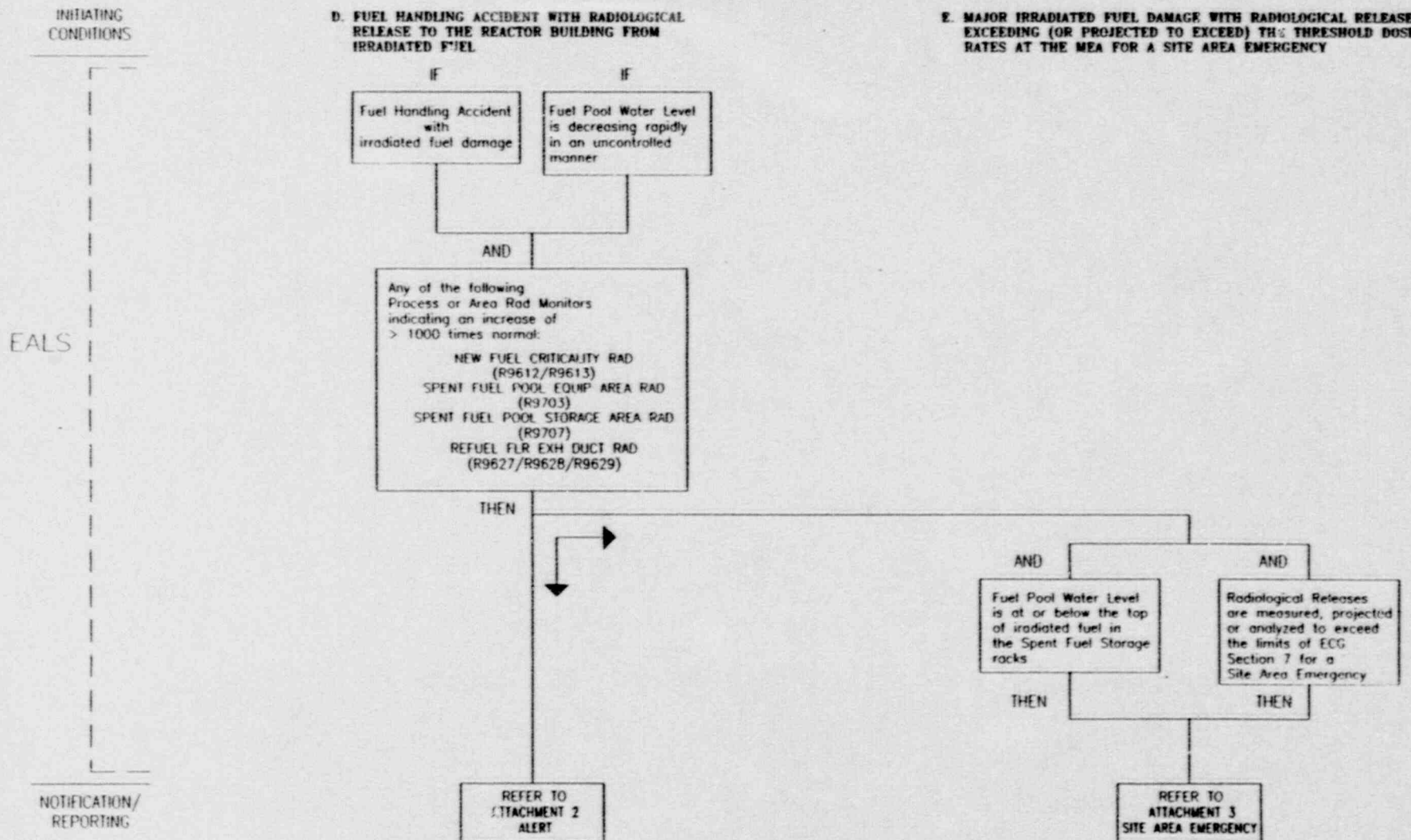


HCGS  
REV. 2

# SECTION 5

## FUEL DAMAGE / DEGRADED CORE IRRADIATED OR SPENT FUEL DAMAGE

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# SECTION 6

## FISSION PRODUCT BOUNDARY FAILURES

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**NOTE:** The following conditions / EALS indicate Failure of a fission product boundary.  
Any two boundary Failures represents a GENERAL EMERGENCY condition.  
Monitor for these conditions after any single boundary Failure.

### A. SEVERE LOSS OF FUEL CLADDING

### B. LOSS OF RPV INTEGRITY

### C. LOSS OF PRIMARY CONTAINMENT

INITIATING  
CONDITIONS

1. CONTAINMENT HIGH RADIATION  
2. RCS ANALYSIS SHOWS FAILED FUEL  
3. PROCESS MONITORS INDICATIONS

1. RCS / CONT. INDICATIONS OF A LOCA

2. SNSS/EDO ANALYSIS THAT RPV INTEGRITY IS LOST

1. INDICATIONS OF BREACH OF CONTAINMENT  
2. SNSS/EDO ANALYSIS OF CONT. FAILURE OR IMMINENT FAILURE

IF

IF

IF

IF

IF

IF

IF

IF

DAPA  
> 200 R/hr

RCS Sample  
shows DE1-131  
> 300  $\mu$ Ci/g

Valid HIGH alarm on any  
of the following  
Process Monitors:  
MN STM LINE (C5-B1)  
RAD HI TRIP  
OR INOP  
with valid NSSSS  
MSIV Isolation present  
OR  
OFFGAS PRETREATMENT MONITOR  
(9RX621 / 9RX622)  
HIGH ALARM  
OR  
CACS ALARM for HIGH H2

RPV Water Level  
cannot be maintained  
above -120 inches

Both of the following:  
1. DRYWELL PRESSURE HI  
2. RPV Water Level  
<12.5 inches and  
decreasing

SNSS/EDO judgement  
that RPV integrity is  
lost

Indications of Primary  
Containment failure by  
2 or more otherwise  
unexplained conditions,  
such as:  
Drywell Pressure decreasing  
OR  
Supp. Chamber water  
Level decreasing  
OR  
Reactor Building Area  
Temperatures,  
Radiation Levels, or  
Sump or Floor levels  
Increasing

SNSS/EDO judgement  
that Primary  
Containment failure  
has occurred  
OR  
is imminent

EALS

A

B

C

Any Two Fission Product  
Boundaries have failed  
A and B  
OR  
A and C  
OR  
B and C

THEN

REFER TO  
ATTACHMENT 4  
GENERAL EMERGENCY

NOTIFICATION/  
REPORTING

HCGS  
REV. 1