

Effective Date 7/30/08

CATEGORY II

IRRADIATED FUEL DAMAGE

ALARMS

- | | |
|-----------------------------------|--------------|
| • REFUEL FLR EXH RAD ALARM/TRBL | E6-A3 |
| • RB EXH RADIATION ALARM/TRBL | E6-A5 |
| • NEW FUEL CRITICALITY RAD HI | E6-A4 |
| • RADIATION MONITORING ALARM/TRBL | C6-C1 |

INDICATIONS

- Rising Refuel Floor Exhaust Radiation Levels.
- Rising Refuel Floor Area Radiation Levels.

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IMMEDIATE OPERATOR ACTIONS

CONDITION	ACTION
Irradiated fuel damage Date/Time: _____	<input type="checkbox"/> SUSPEND the handling of Irradiated Fuel/Components.

AUTOMATIC ACTIONS

IF	THEN
Reactor Building Exh (RBE) Hi Rad $(1.0 \times 10^{-3} \mu\text{Ci/cc})$ <u>OR</u> Refuel Floor Exh (RFE) Hi Rad $(2.0 \times 10^{-3} \mu\text{Ci/cc})$	<ul style="list-style-type: none"> Reactor Building Ventilation System isolates and fans trip Filtration, Recirculation and Ventilation System (FRVS) automatic start Safety Auxiliary Cooling pump automatic start (A&B only) Station Service Water pumps automatic start Radwaste Ventilation Supply and Exhaust fans trip Emergency Instrument Air Compressor trips Primary Containment Instrument Gas System isolates and compressors trip

ADDITIONAL INFORMATION:

Procedures:

- OP-HC-108-115-1001, Operability Assessment And Equipment Control Program

SUBSEQUENT OPERATOR ACTIONS

CONDITION	ACTION
<p>A. Irradiated Fuel Damage.</p> <p>Date/Time: _____</p>	<p>A.1 PERFORM the following:</p> <ul style="list-style-type: none"> <input type="checkbox"/> • ENSURE either RBVS <u>OR</u> FRVS is in service • PERFORM ONE of the following: <ul style="list-style-type: none"> <input type="checkbox"/> 1. ENSURE Secondary Containment Integrity is in effect. <input type="checkbox"/> 2. <u>WITHIN</u> 30 minutes, IMPLEMENT OP-HC-108-115-1001, Attachment 5 to seal secondary containment breaches. <input type="checkbox"/> • DIRECT Radiation Protection to take air samples <u>AND</u> control access to the Reactor Bldg and Refuel floor. <input type="checkbox"/> • EVACUATE all <u>UNNECESSARY</u> personnel from the affected area.
<p>B. Damaged irradiated fuel is attached to the fuel handling grapple.</p> <p>Date/Time: _____</p>	<ul style="list-style-type: none"> <input type="checkbox"/> B.1 IF_ Radiation levels permit, PLACE the damaged fuel in the Spent Fuel Pool.
<p>C. Damaged irradiated fuel is in the Spent Fuel Pool, Reactor Cavity <u>OR</u> Cask Loading Pit.</p> <p>Date/Time: _____</p>	<ul style="list-style-type: none"> <input type="checkbox"/> C.1 DIRECT Radiation Protection to survey the affected Spent Fuel Pool Cooling <u>AND</u> Residual Heat Removal systems piping as appropriate.

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COMPLETION AND REVIEW

1.0 COMPLETION AND REVIEW

- 1.1 **EXPLAIN** the entry Condition into the abnormal in the Comments Section. _____
- 1.2 **ANNOTATE** in the comments section all systems affected by the implementation of this procedure
AND restoration actions (i.e. restoration line ups) completed/required. _____
- 1.3 **ATTACH** photocopies of any Hard Cards utilized as part of this procedure implementation to Attachment 1. _____
- 1.4 **ENSURE** the Exit time for any applicable conditions and this abnormal are annotated in the comment section
AND the Control Room Logs. _____
- 1.5 **FORWARD** completed Portions of this procedure
AND Sections 1 and 2 of Attachment 1 to SM/CRS for approval and Record Retention. _____

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1.0 **COMMENTS:**

[illegible]

ATTACHMENT 1
(Page 2 of 2)
COMPLETION AND REVIEW

2.0 SIGNATURES:

<u>Print Name</u> Initials	<u>Signature</u>	<u>Date</u>	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Completion of this attachment is annotated in the Control Room Logs:

_____ Printed Name	_____ SIGNATURE	_____ / Date/Time
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3.0 SM/CRS FINAL REVIEW AND APPROVAL:

This procedure and Attachment 1 have been reviewed for completeness and accuracy. Entry/Exit conditions and all deficiencies, including corrective actions, are clearly recorded in the COMMENTS Section above.

_____ Printed Name	_____ SM/CRS	_____ Date
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4.0 RECORDS

4.1 **RETAIN** the following in accordance with RM-AA-101, Records Management Program

- Procedure cover page
- Affected Conditions and Hard Cards performed
- Completion and Review section
- Attachment 1

REVISION SUMMARY

1. **Order 70085855** - Additional Information and Action A.1 – Changed SH.OP-AP.ZZ-0108(Q) to OP-HC-108-115-1001, Operability Assessment and Equipment Control Program.
Also changed Attachment 10 to Attachment 5 in Action A.1.
2. Updated the following additional references:
 - NC.NA-AP.ZZ-0011(Q) to RM-AA-101, Records Management Program.

IMPLEMENTATION REQUIREMENTS:

None