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**CONDITION REPORT**

**LO-LAR-2011-00174**

**Originator:** Caputo, Charles M

**Originator Phone:** 6656

**Originator Site Group:** IP2 Projects Staff IP2

**Operability Required:** N

**Supervisor Name:** Curry, John J

**Reportability Required:** N

**Discovered Date:** 08/18/2011 15:02

**Initiated Date:** 08/18/2011 15:07

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**Condition Description:**

This LAR will be used to track the commitments required to implement License Renewal and ensure the committed actions are accomplished prior to the committed dates

**Immediate Action Description:**

Open LAR to track LRA commitments

**Suggested Action Description:**

Initiated corrective actions to implement programs and other changes to meet the License Renewal conditions

CA Number: 23

	Site	Group	Name
Assigned By:	IP2	Projects Staff IP2	Caputo, Charles M
Assigned To:	IP2	P&C Eng Codes Mgmt IP2	Azevedo,Nelson F

**Subassigned To :**

Originated By:	Caputo, Charles M	8/21/2011 13:53:42
Performed By:	Azevedo,Nelson F	9/20/2011 12:22:11

**Subperformed By:****Approved By:**

Closed By: Caputo, Charles M

9/21/2011 06:53:32

Current Due Date: 09/28/2011

Initial Due Date: 09/28/2011

CA Type: NRC COMMITMENT

Plant Constraint: OTHER

**CA Description:**

NRC Commitment #33

At least 2 years prior to entering the period of extended operation, for the locations identified in LRA Table 4.3-13 (IP2) and LRA Table 4.3-14 (IP3), under the Fatigue Monitoring Program, IP2 and IP3 will implement one or more of the following:

(1) Consistent with the Fatigue Monitoring Program, Detection of Aging Effects, update the fatigue usage calculations using refined fatigue analyses to determine valid CUFs less than 1.0 when accounting for the effects of reactor water environment.

This includes applying the appropriate Fen factors to valid CUFs determined in accordance with one of the following:

1. For locations in LRA Table 4.3-13 (IP2) and LRA Table 4.3-14 (IP3), with existing fatigue analysis valid for the period of extended operation, use the existing CUF.
2. Additional plant-specific locations with a valid CUF may be evaluated. In particular, the pressurizer lower shell will be reviewed to ensure the surge nozzle remains the limiting component.
3. Representative CUF values from other plants, adjusted to or enveloping the IPEC plant specific external loads may be used if demonstrated applicable to IPEC.
4. An analysis using an NRC-approved version of the ASME code or NRC-approved alternative (e.g., NRC-approved code case) may be performed to determine a valid CUF.

(2) Consistent with the Fatigue Monitoring Program, Corrective Actions, repair or replace the affected locations before exceeding a CUF of 1.0.

**Response:**

The analyses required by this CA have been completed with the results documented in WCAP-19199-P for IP2 and WCAP-19200-P for IP3. No other corrective actions are required at this time.

**Subresponse :****Closure Comments:**

**CA Number:** 62

	<b>Site</b>	<b>Group</b>	<b>Name</b>
<b>Assigned By:</b>	IP2	Projects Staff IP2	Caputo, Charles M
<b>Assigned To:</b>	IP2	P&C Eng Codes Mgmt IP2	Azevedo,Nelson F

**Subassigned To :****Originated By:** Caputo, Charles M

8/23/2011 22:03:24

**Performed By:****Subperformed By:****Approved By:****Closed By:****Current Due Date:** 09/27/2013**Initial Due Date:** 09/28/2013**CA Type:** NRC COMMITMENT**Plant Constraint:** OTHER**CA Description:**

NRC Commitment # 43

IPEC will review design basis ASME Code Class 1 fatigue evaluations to determine whether the NUREG/CR-6260 locations that have been evaluated for the effects of the reactor coolant environment on fatigue usage are the limiting locations for the IP2 and IP3 configurations. If more limiting locations are identified, the most limiting location will be evaluated for the effects of the reactor coolant environment on fatigue usage.

IPEC will use the NUREG/CR-6909 methodology in the evaluation of the limiting locations consisting of nickel alloy, if any.

**Response:****Subresponse :****Closure Comments:**

CA Number: 64

	Site	Group	Name
Assigned By:	IP2	Projects Staff IP2	Caputo, Charles M
Assigned To:	IP2	P&C Eng Codes Mgmt IP2	Azevedo,Nelson F

Subassigned To :

Originated By: Caputo, Charles M

8/23/2011 22:17:37

Performed By:

Subperformed By:

Approved By:

Closed By:

Current Due Date: 09/27/2013

Initial Due Date: 09/28/2013

CA Type: NRC COMMITMENT

Plant Constraint: OTHER

**CA Description:**

NRC Commitment #45

1) IPEC will not use the NB-3600 option of the WESTEMS program in future design calculations until the issues identified during the NRC review of the program have been resolved.

2) During the Period of Extended Operations IPEC will not use the NB-3600 option of the WESTEMS program

Program documents shall be revised or generated that ensures the program will be maintained during the PEO before closing this corrective action.

**Response:**

Subresponse :

**Closure Comments:**