

HOPE CREEK
NRC INSPECTION FINDINGS

Deficiency	Finding
10CFR 50.63: Failure to consider design information (SBO coping) in OD. (Engineering) 18.	SBO coping analysis was not considered in the OD for a steam leak in HPCI room. Report No. 2003002
Criterion III DESIGN CONTROL Failure to translate design information into design documents. (Engineering) 6.	Failure to ensure that EDG design specs were translated into design documents. Report No. 2003004*
Non-conservative design assumptions used in HPCI surveillance test. (Engineering) 15.	Inadequate acceptance limits for HPCI quarterly operability surveillance testing for pump flow. Report No. 2003002
Incorrect and non-conservative design information is translated into a procedure. (Engineering) 20.	Incorrect and non-conservative design information is translated into the SRV tailpipe temperature procedure. Report No. 2003006
Criterion V Procedures: Improper cutting of key without procedure guidance. (Maintenance) 19.	Maintenance did not follow the SSWS travelling screen procedure. Report No. 2003006
Criterion XVI Corrective Actions:: Inadequate maintenance/ post maint. testing (Maintenance) 1. Not a violation.	Electro-hydraulic control oil leak in No. 4 combined intermediate valve results in manual scram. Report No. 2003007*
Failed to initiate timely corrective actions to transient. (Operations) 2.	Minor power, pressure and level excursion results in larger operational transient. Report No. 2003003
Engineering performed inadequate evaluations and corrective actions (Engineering) 3.	Residual heat removal system minimum flow valve cycling during RHR pump starts. Report No. 2003007*
Uncompleted corrective actions (Maintenance) 4.	The "B" control room chiller tripping when placed in service. Report No. 2003007*
Untimely corrective actions (Engineering) 5.	Low pressure coolant injection suction relief valve was not thoroughly evaluated for extent of condition. Report No. 2003004*
Maintenance improperly repaired the EDG 3 times. (Maintenance) 6.	Incorrect maintenance procedure to replace the A EDG intercooler pump seal. Report No. 2003004*
Failed to take corrective actions on an observed deficient condition. (Engineering, System) 7.	High pressure coolant injection system lubricating oil pressures were degraded in multiple tests. Report No. 2003003

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Failed to provide assurance that ADHR method was in place. (Engineering/ Operations)8.	Did not follow through on corrective actions regarding adequate stroking of all applicable alternate decay heat removal valves .Report No. 2003003
multiple Notifications without resolution. (Maintenance)16.	Failure to identify and correct problems with the HPCI lube oil temperature monitoring.. Report No. 2003002*
Criterion XI Test Control: Failed to provide acceptance criteria in test procedure. (Engineering)9.	Safety auxiliary cooling system heat exchanger testing does not provide acceptance limits. Report No. 2003004*
Tech. Spec. 3.7.2: Inadequate tagging boundary. (Work Control) 10.	Testing of the A control room ventilation system made both the A and B crvs's inoperable. Report No. 2003003*
Tech Spec 4.5.1 Failed to include valve in ECCS surveillance procedure (operations)17.	Incomplete HPCI valve position verification to satisfy Tech Spec requirement. Report No. 2003002*
Tech. Spec. 4.8.1.1.2: Failed to translate the Tech Spec requirement into surveillance procedure. (Operations) 11.	Did not verify the fuel oil transfer pump transfer capability from each fuel oil storage tank. Report No. 2003004*
Failed to translate the Tech Spec requirement into the surveillance procedure. (Maint.) 12.	Inadequate testing of the EDG lockout relays. Report No. 2003002*
Tech. Spec. 6.8.1: <u>Failure to follwo EOP's post scram.</u> (Operations) 13.	A control room supervisor issued an order that conflicted with the emergency operating procedures for the Post scram water level control. Report No. 2003004*
Failed to adequately control the work process and associated fire protection provisions. (Work control) 14.	Ineffective work control regarding the automatic fire suppression system for the C EDG resulted in the CO ₂ being out of service. Report No. 2003005*

SALEM 1
NRC INSPECTION FINDINGS

Criterion III, Design Control	Increased likelihood of a loss of offsite power due to inadequacies during plant modifications, set point changes and revisions of calculations associated with the 4160 volt power systems. Report No. 2003008
	Failed to include the appropriate steps in the procedure for a modification of the Unit 1 /2 chemical and volume control system. Report No. 2003008
	Temporary modifications to the 22 auxiliary feedwater pump and the 13 AFW pump skids were not properly evaluated. Report No. 2003003
Criterion V, Procedures	Failure to follow the FME procedure allowed a bolt to jam the feedwater regulating valve making it inoperable. Report No. 2003009
Criterion XVI, Corrective Actions	Failed to implement adequate corrective actions to address design issues following the July 29,2003 loss of offsite power. Report No. 2003008
	Salem Units 1/ 2 experienced a control air transient as a result of an incomplete control air preventive maintenance item and inadequate corrective actions. Report No. 2003003
	Failure to take effective corrective action for corrosion products in the control air system resulted in the Unit 2 chilled water compressor tripping. Report No. 2003009
	Service water pump strainer tripped due to ineffective corrective actions. Report No. 2003009
	Failure to promptly identify and correct a leak from the spent fuel pool. Report No. 2003006
	Failure to correct a service water valve air actuator leak. Report No. 2003005
	Failure to promptly identify a throttled auxiliary feedwater flow control valve air supply. Report No. 2003005

	Inadequate maintenance practices resulted in recurrence of a service water valve motor operator failure. Report No. 2003005
Criterion XVI, Corrective Actions (cont.)	Failure to identify emergency diesel generator room roof leaks. Report No. 2003003
	The emergency diesel generator tripped due to a known electrical connector problem and inadequate interim corrective actions. Report No. 2003003
	Failure to implement corrective actions for wires located in the control room panels from an over current condition and a degraded component cooling water system pipe support. Report No. 2003004
	Failure to implement corrective actions for repetitive fuel oil leaks on the emergency diesel generators. Report No 2002010
	Ineffective corrective actions led to recurrence of the emergency diesel generator turbocharger failure. Report No. 2002010
Tech Spec. 4.0.5	Failure to establish stroke time reference values for the containment fan coil units. Report No. 2003005
Tech. Spec. 6.8.1	Failure to perform maintenance in accordance with the procedure for the 13 auxiliary feedwater pump causing a trip. Report No. 2003007
21.	Failure to follow the test procedure for the PORV. Report No. 2003005
	Failure to properly perform maintenance on the component cooling cross connect valve ICC17

SALEM 2
NRC INSPECTION FINDINGS

Criterion III, Design Control	Increased likelihood of a loss of offsite power due to inadequacies during plant modifications, set point changes and revisions of calculations associated with the 4160 volt power systems. Report No. 2003008
	Failed to include the appropriate steps in the procedure for a modification of the Unit 1 /2 chemical and volume control system. Report No. 2003008
	Temporary modifications to the 22 auxiliary feedwater pump and the 13 AFW pump skids were not properly evaluated. Report No. 2003003
Criterion XVI, Corrective Actions	Deferral of a vendor recommended design change on the control rod drive mechanisms led to a manual reactor trip due to dropped control rod. Report No. 2003003
	Failed to implement adequate corrective actions to address design issues following the July 29,2003 loss of offsite power. Report No. 2003008
	Salem Units 1/ 2 experienced a control air transient as a result of an incomplete control air preventive maintenance item and inadequate corrective actions. Report No. 2003003
	A compressor air leak on the starting air system for the A EDG was not properly evaluated before removing the other compressor from service for maintenance. Report No. 2003009
	Ineffective problem evaluation of air pockets in the residual heat removal system resulted in a waterhammer on the RHR and CS systems. Report No. 2003009
	Delayed corrective actions from 5/02 to 11/03 for the water hammer on the RHR system. Report No. 2003009

	The emergency diesel generator tripped due to a known electrical connector problem and inadequate interim corrective actions. Report No. 2003003
	Failure to implement corrective actions for wires located in the control room panels from an over current condition and a degraded component cooling water system pipe support. Report No. 2003004
Tech. Spec. 6.8.1	Failure to follow a testing procedure for the pressurizer spray valve 2PS3. Report No. 2003005
	Untimely placement of identified steam generator tube plug deficiencies into the corrective action program. Report No. 2003009