

DEC 30 1983

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Gentlemen:

Subject: Safety Evaluation Report Issues

Recently, the SNUPPS Project Manager, Mr. Joseph Holonich met with representatives from Kansas Gas and Electric, Union Electric, and SNUPPS to discuss the status of open items, confirmatory items, and license conditions listed in the Wolf Creek and Callaway SER. The enclosed information is the most recent status of the issues reported in the SERs. Please review this information to ensure that your understanding of these items is consistent with that given in the enclosure. In addition, where more information is required to resolve an item, provide your anticipated schedule for submitting the required documentation. It should be noted that staff plans to issue the final supplement for Callaway in March 1984; therefore, your submittals should be on a schedule that will support this date.

If you require any additional assistance or information, please contact Mr. Holonich at (301) 492-7793.

Sincerely,

**ORIGINAL SIGNED BY:**

B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing

Enclosure:  
As stated

cc: See next page

DISTRIBUTION:

Docket File NSIC  
NRC PDR LB#1 R/F  
L PDR JHolonich  
PRC System MRushbrook

LB#1/1/83  
JHolonich:kab BYoungblood  
12/30/83 12/20/83

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E PDR

ENCLOSURE

<u>Number</u> <u>Callaway</u> <u>Wolf Creek</u>	<u>Open Items</u>	<u>Status/Remarks</u>	
1	N/A	Ice load analysis for ESW System	Closed Callaway Supplement 2.
2	B(1)	High-energy pipe break hazards analysis	Closed Wolf Creek Supplement 1. Callaway Supplement 2.
3	N/A	Vibration damping analysis for cable tray and conduit support systems	Closed Callaway Supplement 1.
4	B(2)	Pump and valve operability	Audit performed during week of December 5, 1983. Staff action to close issue.
5	N/A	Pipe support baseplate flexibility and its effect on anchor bolt loads	Closed Callaway Supplement 1.
6	B(3)	Seismic and Dynamic qualification of seismic Category I mechanical and electrical equipment	Audit performed during the week of December 5, 1983. Staff concerns expressed at exit meeting. Awaiting applicant response.
7	A(2)	Environmental qualification of safety-related electrical equipment	Audit performed in August 1983. Additional information required on mechanical equipment. SNUPPS is aware of concern.
8	B(4)	Fuel assembly structural response to seismic and LOCA forces	Closed Wolf Creek Supplement 2 Callaway Supplement 2

<u>Number</u>	<u>Callaway</u> <u>Wolf Creek</u>	<u>Open Items</u>	<u>Status/Remarks</u>
9	N/A	Level measurement errors due to environmental temperature effects on level instrument reference legs	Closed Callaway Supplement 1.
10	B(3)	Fire protection programs-alternate shutdown panel	Closed Wolf Creek Supplement 3. Will be closed in Callaway Supplement 3.
11	N/A	Systems and components on the Q-list	Closed Callaway Supplement 1.
12	B(4)	I.C.1: Guidance for evaluation and development of procedures for transients and accidents	Procedures submitted for both Wolf Creek and Callaway. Under staff review
12	B(4)	I.C.2: Pilot monitoring of selected emergency procedures for near term operating license applicants	Procedures submitted for both Wolf Creek and Callaway. Under staff review.
12	A(3)	I.D.1: Control room design review	Awaiting Task Analysis and response to staff concerns discussed in December 15, 1983 conference call.
12	B(4)	II.B.2: Plant Shielding Study	Closed Wolf Creek Supplement 2. Callaway Supplement 2.
12	A(3)	III.A.1.2: Upgrade emergency support facilities	Closed Callaway Supplement 2. Wolf Creek Supplement 4.
N/A	A(3)	Shift Technical Advisor	Awaiting Commission Policy Statement
13	CIB(28)	Locked Rotor	Closed Wolf Creek Supplement 1. Callaway Supplement 2.

<u>Callaway</u>	<u>Number</u> <u>Wolf Creek</u>	<u>Open Items</u>	<u>Status/Remarks</u>
N/A	A(4)	Onsite Emergency Preparedness	Made Confirmatory Issue A(9) in Wolf Creek Supplement 4
		<u>Confirmatory Items</u>	
1	B(1)	Additional seismic instrumentation and control room indication	Closed Wolf Creek Supplement 1 and Callaway Supplement 2.
2	B(2)	Analysis of steam generator	Closed Wolf Creek Supplement 4. Will be closed in Callaway Supplement 3. Moved to Tech Spec list.
3	B(3)	Testing of pressure isolation valves (Event V)	Closed Wolf Creek and Callaway Supplement 2
4	N/A	Cladding collapse time analysis	Closed Callaway Supplement 1.
5	B(5)	Preservice inspection testing program	PSI submitted and under staff review.
6	B(6)	Steam generator inservice inspection	Closed Wolf Creek Supplement 4. Will be closed in Callaway Supplement 3. Moved to Tech Spec list.
	B(7)	ECCS Analysis	Closed Wolf Creek Supplement 1.
7	B(8)	Steam generator level control and protection (2/3 changed to 2/4 logic)	Closed Wolf Creek Supplement 4. Installation will be verified by the Region. Will be closed in Callaway Supplement 3.
8	B(9)	Capability for safe shutdown following loss of a bus supplying power to instruments and controls (7.4.3.1)	Awaiting additional information from applicant.

<u>Number</u>	<u>Callaway</u> <u>Wolf Creek</u>	<u>Confirmatory Items</u>	<u>Status/Remarks</u>
9	B(10)	Operator actions required to maintain safe shutdown from outside the control room.	Additional information provided in 10/27/83 letter. Under staff review.
10	B(11)	Reactor coolant temperature indicators on the auxiliary shutdown panel	Additional concern raised on ICSB audit. Awaiting applicant response.
11	B(12)	Volume control tank level control and protection interaction.	Closed Wolf Creek Supplement 4. Installation will be verified by Region. Will be closed in Callaway Supplement 3.
12	B(13)	Boron dilution control	FSAR revised in Revision 12. Under staff review
13	B(14)	Environmental qualification of control systems	Additional information provided in 10/27/83 letter. Under staff review
14	B(15)	Circuitry for automatic transfer of diesel generator from test to auto control mode	Closed Wolf Creek Supplement 3, Callaway Supplement 2.
15	B(16)	Diesel generator reliability qualification testing	Closed Wolf Creek Supplement 3, Callaway Supplement 2.
16	B(17)	Circuitry for bypass of protective circuitry	Closed Wolf Creek Supplement 3, Callaway Supplement 2.
17	B(18)	Circuitry for inservice testing per RG 1.108	Closed Wolf Creek Supplement 3, Callaway Supplement 2.
18	B(19)	Low and/or degraded grid voltage	Additional information required. Applicant is aware of staff concerns. Awaiting response.

<u>Number</u>		<u>Confirmatory Items</u>	<u>Status/Remarks</u>
<u>Callaway</u>	<u>Wolf Creek</u>		
19	B(20)	Use of regulating-type transformer as isolation device	Closed Wolf Creek Supplement 3, Callaway Supplement 2.
20	B(21)	Isolation of control room	Additional information required. Applicant is aware of staff concern. Awaiting applicant response.
21	B(22)	Sequencing of loads on the offsite power system	Additional information required. Applicant is aware of staff concern. Awaiting applicant response.
22	B(23)	Submerged electrical equipment	Closed Wolf Creek Supplement 3, Callaway Supplement 2
23	B(24)	Separation of cables inside panels	Closed Wolf Creek Supplement 3, Callaway Supplement 2.
24	B(25)	Compliance with position 1 of RG 1.63	Additional information required. Applicant is aware of staff concerns. Awaiting applicant response.
25	A(6)	Fire protection site visit	Completed for Callaway during the week of 10/17. Wolf Creek visit not scheduled.
26	B(26)	Monitoring of rocker arm lube oil system temperature for diesel generators	Closed Wolf Creek Supplement 4, will be closed in Callaway Supplement 3. Region will verify.
27	A(7)	Security Plan	This issue is closed but additional concerns have arose on Wolf Creek and Callaway is revising its plan. The staff has not transmitted the Wolf Creek concerns.

Number Callaway Wolf Creek	<u>Confirmatory Items</u>	<u>Status/Remarks</u>
28 N/A	I.G.1: Special low-power testing and training	Closed Callaway, Supplement 1.
28 B(28)	II.D.1: Performance testing of BWR and PWR relief and safety valves	Not required for fuel, addressed in Wolf Creek Supplement 3. Will be included in Callaway Supplement 3.
28 B(28)	II.E.1.1: Recommendation GS-2, physical locking of isolation valve.	Closed Wolf Creek Supplement 4. Will be closed in Callaway Supplement 3. Region will verify.
28 B(28)	II.E.4.2: Containment isolation	Closed Wolf Creek Supplement 4. Will be closed in Callaway Supplement 3. Will be tracked as a Tech Specs issue.
28 B(28)	II.F.1: Additional accident monitoring instrumentation Attachments 1, 2, 3.	Attachment 3 closed for both Callaway and Wolf Creek. Attachments 2 and 3 closed in Wolf Creek Supplement 4, will be closed in Callaway Supplement 3.
28 N/A	II.G.1: Emergency Power for pressurizer equipment	Closed Callaway Supplement 2.
28 A(8)	II.K.1: IE bulletins on measures to mitigate small-break LOCAs and loss of feedwater accidents.	Closed Wolf Creek Supplement 4. Will be closed in Callaway Supplement 3. Region will verify.
28 B(28)	II.K.2.13: Thermal mechanical report-- effect of high-pressure on vessel integrity for small-break LOCA with no auxiliary feedwater	Closed Wolf Creek Supplement 2 and Callaway Supplement 2.

<u>Number</u>		<u>Confirmatory Items</u>	<u>Status/Remarks</u>
<u>Callaway</u>	<u>Wolf Creek</u>		
28	B(28)	II.K.3.2: Report on overall safety effect of PORV isolation system	Closed Wolf Creek Supplement 2 and Callaway Supplement 2.
28	B(28)	II.K.3.11: Justification of use of certain PORVs	Closed Wolf Creek Supplement 4, will be closed in Callaway Supplement 2.
28	A(28)	III.A.2: Improving Licensee Emergency preparedness--long-term	Closed Wolf Creek Supplement 4. Dependent on Appraisal for Callaway.
28	B(28)	III.D.1.1: Integrity of systems outside containment likely to contain radioactive material	Callaway has submitted additional information awaiting Wolf Creek Response
29	B(24)	Separation of Cables	Closed Callaway Supplement 2. Wolf Creek Supplement 3.
30	B(4)	See outstanding issue #8	Closed Callaway Supplement 2, Wolf Creek Supplement 2
31		ECCS Analysis	Closed Callaway Supplement 2.
32	B(29)	Test of engineered safeguards P-4 interlock	Closed Wolf Creek Supplement 4, will be closed in Callaway Supplement 3. Region will verify.
33	B(30)	Automatic indication of block of signals initiating auxiliary feedwater following trip of main feedwater pumps	Closed Wolf Creek Supplement 4, will be closed in Callaway Supplement 3. Region will verify.
34	B(33)	Indicators, alarms, and tests features provided for instrumentation used for safety function.	Closed Wolf Creek Supplement 4, will be closed in Callaway Supplement 3. Region will verify.

<u>Number</u>		<u>Confirmatory Items</u>	<u>Status/Remarks</u>
<u>Callaway</u>	<u>Wolf Creek</u>		
35	B(31)	Actuation of valve component level window on the bypassed and inoperable status panel	Closed Wolf Creek Supplement 4, will be closed in Callaway Supplement 3. Region will verify
36	B(32)	Post-Accident Monitoring	Submittal under review
37	B(34)	Interlocks for reactor coolant system pressure control during low temperature operation	Closed Wolf Creek Supplement 4, will be closed in Callaway Supplement 3. Region will verify
38	B(35)	Capacity and capability of offsite circuits	Additional information required. Applicant is aware of staff concern. Awaiting response.

--WOLF CREEK SPECIFIC ITEMS--

N/A	A(1)	UHS dam dispersiveness	Closed Supplement 1
N/A	A(2)	Main dam see page	Additional information submitted 11/30/83. Originally scheduled for 8/83 submittal. Under staff review.
N/A	A(3)	Site-specific seismic structural analysis	Closed Supplement 1
N/A	A(4)	Identification of base metal and heat-affected zone surveillance material	Closed Supplement 2
N/A	A(5)	Pressure-temperature limits	Closed Supplement 2
N/A	A(9)	Onsite Emergency Preparedness	Must provided additional information 180 days prior to fuel load.

<u>Number</u> <u>Callaway Wolf Creek</u>	<u>License Condition</u>	<u>Status/Remarks</u>
1	B(1) Surveillance of Hafnium control rods	Applicable to the lead SNUPPS plant.
2	B(2) The applicant must provide an initial inservice inspection program which conforms to the applicable ASME Code edition and 10 CFR Part 50.	Program submitted
3	B(3) The applicant must implement the secondary water chemistry monitoring and control program proposed in the SMUPPS FSAR (through revision 6) and their letter dated May 8, 1981	No comment.
4	B(4) Sensor time response testing	No comment.
5	B(5) Test of engineered safeguards P-4 interlock	Removed Wolf Creek Supplement 1, Callaway Supplement 2
6	B(6) Automatic indication of block signals initiating auxiliary feedwater following trip of the main feedwater pumps	Removed Wolf Creek Supplement 1, Callaway Supplement 2
7	B(7) Steam generator level control and protection	Remove Wolf Creek Supplement 1, Callaway Supplement 2
8	B(8) Indicator, alarms and test features provided for instrumentation and safety functions	Removed Wolf Creek Supplement 3, Callaway Supplement 2
9	B(9) Reactor coolant temperature indicators on the auxiliary shutdown panel	Removed Wolf Creek Supplement 3 Callaway Supplement 2

Number		<u>License Condition</u>	<u>Status/Remarks</u>
Callaway	Wolf Creek		
10	B(10)	Acutation of valve component level windows on the bypassed and inoperable status panel	Removed Wolf Creek Supplement 1, Callaway Supplement 2
11	B(11)	Postaccident monitoring	Removed Callaway Supplement 2, Wolf Creek Supplement 2. Now a confirmatory item.
12	B(12)	Interlocks for reactor coolant systems (RCS) pressure control during low temperature operation	Removed Wolf Creek Supplement 3 Callaway Supplement 2
13	B(13)	Volume control tank level and protection interaction	Removed Wolf Creek Supplement 3, Callaway Supplement 2.
14	B(14)	Boron dilution control	Removed Wolf Creek Supplement 3, Callaway Supplement 2.
15	B(15)	Bypass of protection trips on diesel generator	Removed Wolf Creek Supplement 3, Callaway Supplement 2.
16	B(16)	Installation of battery discharge alarm	Removed Wolf Creek Supplement 3, Callaway Supplement 2
17	N/A	Testing of substantiate separation between redundant safety-related cables inside control panels	Removed Callaway Supplement 2.
18	A(1)	Compliance with Appendix R of 10 CFR 50, Fire Protection	No comment.
19	B(19)	Qualification of operations personnel	No comment.

<u>Number</u>	<u>Callaway Wolf Creek</u>	<u>License Condition</u>	<u>Status/Remarks</u>
20	B(17)	II.B.3 Postaccident samping capability	Additional information required. Applicant is aware of staff concern. Awaiting applicant response.
21	B(18)	Operations restriction above 90% of full power	Removed Wolf Creek Supplement 4, will will be removed in Callaway Supplement 3.

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