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October 16, 1995

C. Lance Terry Group Vice President

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U. S. Nuclear Regulatory Commission Document Control Desk Washington, DC 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNIT 2 DOCKET NOS. 50-446 CONDITION PROHIBITED BY THE PLANT'S TECHNICAL SPECIFICATIONS LICENSEE EVENT REPORT 446/95-003-00

Gentlemen:

Enclosed is Licensee Event Report (LER) 95-003-00 for Comanche Peak Steam Electric Station Unit 2. "Incomplete Surveillance to Confirm Turbine Driven Auxiliary Feedwater Pump (TDAFWP) Steam Admission Valves Open Stroke For a Black Out Signal (BOS)".

Sincerely.

L Terry

ADQ/adq Enclosure

cc: Mr. L. J. Callan, Region IV Mr. D. F. Kirsch, Region IV Mr. T. J. Polich, NRR Resident Inspectors CPSES

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U.S. NUCLEAR REGULATORY COMMISSION 14-951 LICENSEE EVENT REPORT (LER) (See reverse for required number of digits/characters for each block)							EXPIRES 04/30/98 ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMA COLLECTION REQUEST: 50.0 HRS. REPORTED LESSONS LEARNED ARE INCORPORATED THE LICENSING PROCESS AND FED BACK TO INDUSTRY. FORWARD COMMENTS REGAR BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH IT-6. U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUD WASHINGTON, DC 20503.								
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EVEN	T DATE	(5)		LER	R NUMBER (6)		REPO	RT DATE	(7)		OTHER FACILIT	TES INVOL	VED (8)		
MONTH	DAY	YEAR YEAR SEQUENTIAL REVISION			REVISION	MONTH	DAY	YEAR	FACILITY NAME	r 1		DOCKET N	юмвея 50004	15	
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COMANCHE PEAK STEAM ELECTRIC STATION - UNIT 2	05000446	YEAR 95	sequential 003	REVISION	2 OF	5
 I. <u>DESCRIPTION OF THE REPORTABLE EVENT</u> A. REPORTABLE EVENT CLASSIFICATION Any operating condition prohibited by t B. PLANT OPERATING CONDITIONS BEFORE THE E At time of discovery on September 14, 1 (CPSES) Unit 1 and Unit 2 were in Mode 	VENT 995, both Com	anche	Peak Steam		c Static	on
 C. STATUS OF STRUCTURES, SYSTEMS, OR COMPOUNTHE EVENT AND THAT CONTRIBUTED TO THE EVENT. There were no inoperable structures, synevent. D. NARRATIVE SUMMARY OF THE EVENT, INCLUDING On September 14, 1995, during discursion licensed) it was determined that actuati Specification 4.7.1.2c.2), should include valves on a BOS signal. The procedures we requirment verified the pump start on St was performed to review plant data which 	VENT stems or compo NG DANES AND A s between sta on testing of e stroke open hich were des eam Generator	onents APPROX tion p the T actua ignate Low-L	that cont IMATE TIME: Dersonnel (DAFWP, per ition of the d to satis ow level o	ributed S utility, Technic e steam fy this nly. Ar	non- admission surveilin evaluat	lanc tion

of the Diesel Generator 24 hour load run/loss of offsite power tests. This data failed to confirm that the TDAFWP steam admission valves stroked open on receipt of the BOS signal as the valves had been defeated for the test. The Control Room was immediately notified of this finding and both Unit 1 and Unit 2 TDAFWP's were declared inoperable. Temporary test procedures were written and performed to successfully demonstrate the stroke open actuation of the TDAFWP steam admission valves for both units on a BOS signal, which allowed both TDAFWP's to be declared operable.

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TEXT (1f mo	re space is required, use additional copies of NRC Form 360	6A) (17)		
E.	THE METHOD OF DISCOVERY OF EACH COMPONENT OR PERSONNEL ERROR	T OR SYSTEM F	AILURE, OR PROCEDURAL	
	Station personnel determined that surveil valves stroke open on a BOS signal had no	llance testin ot been clear	g of the TDAFWP steam ac ly identified as a TS re	imission equirement .
II. <u>C</u>	OMPONENT OR SYSTEM FAILURES			
A	. FAILURE MODE, MECHANISM, AND EFFECT OF E	ACH FAILED C	OMPONENT	
	Not applicable - there were no component	failures as	sociated with this event	•
В	. CAUSE OF EACH COMPONENT OR SYSTEM FAILUR	E		
	Not applicable.			
С	. SYSTEMS OR SECONDARY FUNCTIONS THAT WERE WITH MULTIPLE FUNCTIONS	AFFECTED BY	FAILURE OF COMPONENTS	
	Not applicable.			
D	. FAILED COMPONENT INFORMATION			
	Not applicable.			

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COMANCHE PEAK STEAM ELECTRIC STATION - UNIT 2		95	003	00	4 OF	5
A. SAFETY SYSTEM RESPONSES THAT OCCURRED						
Not applicable - no safety systems res	oonses occured	durin	a this ever	nt.		
B. DURATION OF SAFETY SYSTEM TRAIN INOPER						
B. DURATION OF SAFETT STSTEM TRAIN INCLESS	NOILIII					
Unit 1 and 2 TDAFWP's were declared in						e f.

Unit 1 and 2 TDAFWP's were declared inoperable on September 15, 1995 at 0745 and declared operable on September 16, 1995 at 2102 and 2301 ,respectively, after successful completion of the required surveillance tests. (Inoperable time was approximately 38 hours for Unit 1 and 40 hours for Unit 2.)

C. SAFETY CONSEQUENCES AND IMPLICATIONS OF THE EVENT

The Auxiliary Feedwater System (AFW) system is designed to provide a supply of highpressure feedwater to the secondary side of the steam generators for reactor coolant heat removal following a loss of normal feedwater. In the event of a Loss of Offsite Power (LOOP), the TDAFWP is powered from steam supplied from either of two steam generators. Additionally, two Motor Driven Auxiliary Feedwater (MDAFW) pumps and associated valves are automatically sequenced onto emergency busses. (The CPSES Safety Analysis (FSAR Chapter 15) takes credit for AFW start on a SG LO-LO level signal. The associated surveillance test for SG LO-LO level verifies TDAFWP start on this signal.)

Subsequent testing demonstrated that both TDAFWP steam supply valves for both Unit 1 and Unit 2 actuated upon a BOS test signal. Also, a review of data from the most recent Train A and Train B DG 24 hour load tests verified that both MDAFW pumps for each unit had actuated upon receipt of the BOS signal. The incomplete surveillance had no impact on the AFW system ability to perform the required safety function in the event of a LOOP; therefore, the event had no impact on the health and safety of the public.

IV. CAUSE OF THE EVENT

The cause of this event was determined to be less than adequate procedure preparation in that the requirement to test the steam admission valves for opening on a BOS signal had not been clearly identified as a TS requirement.

NRC FORM 366A (495) LICENSEE EVE TEXT CO	NT REPORT (L	ER)	U.S. NUCLEAF	REGULAT	TORY	COMMI	SSION
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V. CORRECTIVE ACTIONS

IMMEDIATE

The control room was notified of this condition and both TDAFWP's were declared inoperable. Plant records were searched to verify that the MDAFW pumps had actuated during the last DG 24 hour load test. Temporary procedures were written and performed on September 16, 1995 and successfully demonstrated the actuation of the TDAFWP steam admission valves on the BOS signal.

ACTIONS TO PREVENT RECURRENCE

TU Electric will revise the related surveillance test procedures to include testing of the BOS actuation circuitry. TU Electric will also revise the Master Surveillance Test List to include the BOS signal testing for surveillance requirement 4.7.1.2c.2). A sample of test procedures will be reviewed for similar TS surveillance requirement identification. TU Electric will also continue periodic review of TS requirement implementation.

VI. PREVIOUS SIMILAR EVENTS

There have been other CPSES Licensee Event Reports that involved incomplete or missed surveillances involving procedure deficiencies (none of which involved a failure to identify the need to test a specific actuation signal input such as the BOS signal).

VII. ADDITIONAL INFORMATION

None.