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& Chief Nuclear Officer

Ref: 10 CFR 55.40

CPSES-200700861
Log # TXX-07086

April 26, 2007

U. S. Nuclear Regulatory Commission
Regional Administrator, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064
ATTN: J. F. Drake

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
TRANSMITTAL OF LICENSED OPERATOR EXAMINATION
MATERIALS

REF: 1) NUREG-1021, Revision 9, Examiner Standard ES-403

Dear Mr. Drake:

Enclosed please find the graded written examinations and one completed Form ES-403-1 for the initial operator licensing examinations administered on April 23, 2007 at Comanche Peak Steam Electric Station. These examinations were graded based on the guidance in Reference 1. The enclosures with this letter contain sensitive information which should be withheld from public disclosure until after the examinations are complete.

If there are any questions concerning this submittal, contact Mr. Garry W. Struble at (254) 897-6628 or Mr. Ted Werk at (254) 897-5276.

TXX-07086

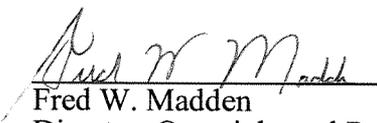
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Sincerely,

TXU Generation Company LP

By: TXU Generation Management Company LLC,
Its General Partner

Mike Blevins

By: 
Fred W. Madden
Director, Oversight and Regulatory Affairs

RAS
Enclosures

c - B. S. Mallett, Region IV clo
M. C. Thadani, NRR clo
Resident Inspectors, CPSES clo

CPSES NRC Written Examination
Performance Analysis Report
April 23, 2007

This report describes the findings discovered during the performance evaluation of the CPSES Initial NRC Written Examination administered April 23, 2007. The intent is to identify any training deficiencies based on the applicants' written examination performance.

A detailed review was conducted on any question that was missed by at least half of the applicants (See attached spreadsheet CPSES 2007 NRC Written Exam Analysis.xls). Of 11 questions, the only commonality appears to be in refueling operations per RFO-102 (See attached question review for details).

A detailed review of the examination conducted with the applicants yielded no recommended changes to the examination nor were any training program deficiencies identified. However, lesson material enhancement was initiated for main transformer and several items will be included in pre-audit and pre-NRC review for subsequent classes.

No comments were made by the applicants following administration of the written examination which required alteration of the as given written examinations or answer keys. No questions were determined to be unsatisfactory and no questions warranted acceptance of another distractor as a correct answer.

CPSES April 2007 NRC Written Examination Question Review

Question #	Missed By:	Topic	Cause / Program Impact
4	7 of 12	Refueling Operations	TS bases for SFP were applied vice the TS bases for the refueling cavity by those applicants that missed the question. The basis for the question is a note from RFO-102, Refueling Operation. Detailed knowledge of RFO-102 is required to answer from memory. Based on exam review with applicants, no program deficiency was identified.
11	6 of 12	ESFAS Permissives	Applicants that missed question could not recall the coincidence for P-11. The P-11 permissive is normally viewed as the coincidence required while lowering pressure vice raising pressure. This added to the confusion for all but one applicant. Based on exam review with applicants, no program deficiency was identified.
37	6 of 12	Point Source Calculation	Applicants that missed question did not properly account for background radiation in the point source calculation. They stated that they had not previously performed a point source calculation that required accounting for background radiation. During the review they fully understood their error in the calculation. Based on exam review with applicants, no program deficiency was identified. However, this item will be considered as OE for subsequent license class pre-audit and pre-NRC review.
38	8 of 12	Fire Protection/Electrical Safety	Some of the applicants who missed the question assumed that the generator lockout already existed due to the sudden pressure relay actuation. Others did not recall the generator lockout interlock. When discussed during the examination review it was determined that an enhancement to the transformer lesson material may be required. Opened a Configuration Impact Assessment (CIA 07AP001) against the transformer lesson material (OP51.SYS.AC1).

Question #	Missed By:	Topic	Cause / Program Impact
43	11 of 12	RCP Malfunction	Applicants that missed question extrapolated a rate of rise based on too few data points not taking into account the possibility that the vibration might stabilize at some value. They also had not previously seen a question in which they had to determine action based on data trends. Based on exam review with applicants, no program deficiency was identified. However, this item will be considered as OE for subsequent license class pre-audit and pre-NRC review.
51	6 of 12	Protection Bus Failure	Applicants who missed question did not recall the information from ABN-603 concerning 1PC1 failure or did not understand that manual meant opening the valves and starting pumps to achieve makeup. During review the confusion was removed, no program deficiency was identified.
60	11 of 12	Loss of Condenser Vacuum	Applicants who missed question did not recall the 10% requirement to trip the reactor with a loss of vacuum due to impending loss of feedwater capability. They implemented the less than 50% requirement to trip the turbine without tripping the reactor. Based on exam review with applicants, no program deficiency was identified. However, this item will be considered as OE for subsequent license class pre-audit and pre-NRC review.
87	4 of 7	ERG - SI Termination	Applicants who missed question did not recognize the small break LOCA that was given in the stem. This question involves detailed knowledge of EOS-1.1, SI Termination that some applicants did not recall. When discussed they understood the indications and recognized the correct action. Based on exam review with applicants, no program deficiency was identified. However, this item will be considered as OE for subsequent license class pre-audit and pre-NRC review.

Question #	Missed By:	Topic	Cause / Program Impact
94	5 of 7	TS Bases - FQ(Z)	Applicants who missed the question did not recall the bases for TS 3.2.1. Based on exam review with applicants, no program deficiency was identified. However, this item will be considered as OE for subsequent license class pre-audit and pre-NRC review.
96	4 of 7	Refueling Operations	Two part question, applicants that missed question recalled the setpoint but could not recall if core alterations could be continued. Detailed knowledge of RFO-102 is required to answer from memory. Based on exam review with applicants, no program deficiency was identified.
97	5 of 7	Temporary Modifications	Two part question, applicants that missed question recalled the frequency but could not recall the responsible position. Applicants thought the responsible position listed as the proposed answer was too obvious. Based on exam review with applicants, no program deficiency was identified.

CPSES April 2007
NRC Written Applicant Questions
and Proctor Clarifications

<u>Applicant</u>	<u>Q#</u>	<u>Question and Clarification</u>
Marloff, Al	7	Question – What is the status of makeup controls and is the question asking initial response? Clarification – Assume all control systems in auto, consider the short term response.
Torres, Chris	26	Question - Was CCWP 1-01 manually or automatically started? Clarification – All systems were in normal alignment.
Schurr, Lori	46	Question – Can I assume the Lower Seal Bearing temperature is the pump? Clarification – It is a specific component.

Note: There were 10 additional questions posed by the applicants in which the proctors responses were either:

- You have all the information needed to answer the question.
- Answer the question as written.

CPSES April 2007
NRC Written Examination
Seating Chart

SRO-U
Germann, Bob

RO
Tsakonas, Athan

SRO-U
Alexander, John

SRO-I
Smith, Bart

RO
Torres, Chris

SRO-I
Hamilton, Bruce

SRO-I
Farnsworth, Deb

RO
Bradford, Danny

SRO-U
Marzloff, Al

RO
Dodgen, Chris

SRO-U
McDonald, Rob

RO
Schurr, Lori

PROCTOR

CPSES April 2007
NRC Written Examination
Applicant Verification Checklist

- | | | | |
|-------------------------------------|-----|---------------------|-------|
| <input checked="" type="checkbox"/> | 1. | Alexander, John | SRO-U |
| <input checked="" type="checkbox"/> | 2. | Bradford, Danny | RO |
| <input checked="" type="checkbox"/> | 3. | Dodgen, Christopher | RO |
| <input checked="" type="checkbox"/> | 4. | Farnsworth, Deborah | SRO-I |
| <input checked="" type="checkbox"/> | 5. | Germann, Robert | SRO-U |
| <input checked="" type="checkbox"/> | 6. | Hamilton, Joseph | SRO-I |
| <input checked="" type="checkbox"/> | 7. | Marzloff, Alan | SRO-U |
| <input checked="" type="checkbox"/> | 8. | McDonald, Robert | SRO-U |
| <input checked="" type="checkbox"/> | 9. | Schurr, Lori | RO |
| <input checked="" type="checkbox"/> | 10. | Smith, Barton | SRO-I |
| <input checked="" type="checkbox"/> | 11. | Torres, Christopher | RO |
| <input checked="" type="checkbox"/> | 12. | Tsakonas, Athan | RO |