

TEXAS UTILITIES GENERATING CO CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
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SURVEILLANCE OF THE CPSES CONTAINMENT 1 STRUCTURAL ACCEPTANCE TEST	PREPARED BY: <u>Ron Miskel</u>			1/19/83 DATE
	APPROVED BY: <u>[Signature]</u>			1/19/83 DATE

1.0 REFERENCES

- 1-A Gibbs & Hill Specification SS-21
- 1-B TUSI Operation Traveler CE-82-896-8902
- 1-C TUGCO Preoperational Test Procedure CP-PT-75-02
- 1-D CP-QP-16.0, "Nonconformances"

2.0 GENERAL

2.1 PURPOSE AND SCOPE

This procedure provides the QA Specialist the pertinent and necessary information to monitor and perform surveillance of the CPSES Containment Structural Acceptance Test (SAT) to assure compliance with the criteria set forth in References 1-A and 1-B. A general training class specifying test monitoring duties will be conducted prior to the SAT by the QA Specialist Supervisor.

3.0 PROCEDURE

3.1 PRETEST VERIFICATION

Prior to commencement of the SAT verify the calibration of the test pressure gauge(s) is current per Reference 1-A and 1-C. Indicating pressure gauges used in testing shall have dials graduated over a range about equal to two times the intended maximum pressure. In no case shall the range be less than $1\frac{1}{2}$, nor more than four times that pressure.

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Verify that all deflection recording equipment has current calibrations per Reference 1-B.

If satisfactory, so indicate on the SAT Inspection Report, items 1 and 2. Unsatisfactory items shall be brought to the attention of the QA Specialist Supervisor for further processing in accordance with Reference 1-D.

3.2 SURVEILLANCE AND MONITORING OF SAT PARAMETERS

The pressure plateaus to be obtained during the test are:

- | | | |
|------------------------------|--------------|----------------------|
| a. 0 psig | <u>NOTE:</u> | At no time during |
| b. 12.5 psig, ± 1.0 psi | | the SAT shall the |
| c. 25 psig, ± 1.0 psi | | pressure rise or |
| d. 37.5 psig ± 1.0 psi | | fall more than 5 psi |
| e. 50 psig, ± 1.0 psi | | per hour. |
| f. 57.5 psig, $+0.5, -0$ psi | | |

At each pressure plateau, verify the correct pressure is obtained and held within tolerance for the prescribed stabilization time of 1 hour. Document the beginning and ending times as well as the pressure (actual) on the SAT Inspection Report, item 3 or 4.

At each pressure plateau verify that deflection measurements are taken in accordance with Reference 1-B.

At each pressure plateau monitor the crack mapping activities per Reference 1-A for conformance to specified instructions. Pay particular attention to the crack mapping area located at Elevation 1051, Azimuth 185 degrees.

Document the results of the monitoring activity on the SAT Inspection Report, item 3 or 4.

Upon completion of the SAT, compare pressure gauge readings to those of the TUGCO digital pressure gauge for verification of gauge readings and so document on the SAT IR item 5.

3.3 ANOMALIES NOTED DURING TESTING

Anomalies noted during testing shall be brought to the attention of the QA Specialist Supervisor. Additionally, supplemental Inspection Reports shall be written noting the anomaly.

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3.4 Nonconformances

Nonconforming conditions found during the SAT shall be brought to the attention of the QA Specialist Supervisor and processed per Reference 1-D.

3.5 DOCUMENTATION

At the completion of the SAT, all Inspection Reports shall be transmitted to the PPRV for retention and filing.

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ATTACHMENT 1

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

ITEM DESCRIPTION STRUCTURAL IDENTIFICATION NO. SYSTEM STRUCTURE DESIGNATION
 ACCEPTANCE TEST
 REV. 11 DEC 81 REV 8 CHANGE NO. MEASURE IN TEST EQUIP. IDENT. NO.
 6. CP-QP-22.00 REV.

☐ IN PROCESS INSPECTION ☐ PRE INSTALLATION VERIFICATION ☐ INSTALLATION INSPECTION ☐ FINAL INSPECTION ☐ PRETEST INSPECTION

INSPECTION RESULTS

☐ INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY

☐ INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW

QC INSPECTOR DATE

ITEM NO. INSPECTION ATTRIBUTES

DATE SIGNATURE

ASCENT

1. PRESSURE GAUGE

a) CURRENT CALIBRATION

DUE DATE

b) CORRECT PRESSURE RANGE

1 1/2 P. Max. > RANGE < 4 P. Max.

2. ALL INSTRUMENTATION/EQUIPMENT CALIBRATION CURRENT

3. PRESSURE PLATEAUS

a) 0 PSIG DATE

TIME COMPLETED

TIME STARTED

STABILIZATION TIME

ACTUAL PRESS PSIG

DEFLECTION READINGS CORRECTLY RECORDED

CRACK MAPPING SATISFACTORY

b) 12.5 PSIG DATE

TIME COMPLETED

TIME STARTED

STABILIZATION TIME

ACTUAL PRESS PSIG

DEFLECTION READINGS CORRECTLY RECORDED

CRACK MAPPING SATISFACTORY

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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

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ITEM DESCRIPTION	STRUCTURAL	IDENTIFICATION NO.	SYSTEM / STRUCTURE DESIGNATION
ACCEPTANCE TEST			
REV.	REV. 11 1000 & REV. & CHANGE NO.	REV.	MEASURE IN TEST EQUIPMENT NO.
CP-QP-22.00	REV.		
<input type="checkbox"/> IN PROGRESS INSPECTION	<input type="checkbox"/> PRE-INSTALLATION VERIFICATION	<input type="checkbox"/> INSTALLATION INSPECTION	<input type="checkbox"/> FINAL INSPECTION
<input type="checkbox"/> PRE-TEST INSPECTION			
INSPECTION RESULTS			
<input type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY			
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW			
ITEM NO.	INSPECTION ATTRIBUTES		QC INSPECTOR DATE
1.	c) 25 PSIG	DATE	SAT
	TIME COMPLETED		UNSAT
	TIME STARTED		DATE
	STABILIZATION TIME		QC SIGNATURE
	ACTUAL PRESS	PSIG	
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
	d) 37.5 PSIG	DATE	
	TIME COMPLETED		
	TIME STARTED		
	STABILIZATION TIME		
	ACTUAL PRESS	PSIG	
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
	e) 50 PSIG	DATE	
	TIME COMPLETED		
	TIME STARTED		
	STABILIZATION TIME		
	ACTUAL PRESS	PSIG	
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		

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COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

ITEM DESCRIPTION	STRUCTURAL	IDENTIFICATION NO.	SYSTEM / STRUCTURE DESIGNATION
ACCEPTANCE TEST			
REV. NO.	REV. NO. 12 DEC 8 REV & CHANGE NO.		VELOCITIES OF TEST EQUIPMENT NO.
	CP-QP-22.00 REV.		
<input type="checkbox"/> IN PROCESS INSPECTION	<input type="checkbox"/> PRE-INSTALLATION VERIFICATION	<input type="checkbox"/> INSTALLATION INSPECTION	<input type="checkbox"/> FINAL INSPECTION
<input type="checkbox"/> PRE-TEST INSPECTION			
NSR RESULTS			
<input type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY			
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW			
ITEM NO.		INSPECTION ATTRIBUTES	GC INSPECTOR
		DATE	SIGNATURE
3.	57.5 PSIG DATE		
	TIME COMPLETED		
	TIME STARTED		
	STABILIZATION TIME		
	ACTUAL PRESS PSIG		
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
DESCENT			
4.	PRESSURE PLATEAU		
a)	50 PSIG DATE		
	TIME COMPLETED		
	TIME STARTED		
	STABILIZATION TIME		
	ACTUAL PRESS PSIG		
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
b)	37.5 PSIG DATE		
	TIME COMPLETED		
	TIME STARTED		
	STABILIZATION TIME		
	ACTUAL PRESS PSIG		
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
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INSPECTION REPORT

(SUPPLEMENTAL)

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FOR FULL HEADINGS, SEE SHEET 1

NO.

ITEM NO.	INSPECTION ATTRIBUTES	DATE	G.C. SIGNATURE
4.	c) 25 PSIG DATE _____		
	TIME COMPLETED _____		
	TIME STARTED _____		
	STABILIZATION TIME _____		
	ACTUAL PRESS _____ PSIG		
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
	d) 12.5 PSIG DATE _____		
	TIME COMPLETED _____		
	TIME STARTED _____		
	STABILIZATION TIME _____		
	ACTUAL PRESS _____ PSIG		
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
	e) 0 PSIG DATE _____		
	TIME COMPLETED _____		
	TIME STARTED _____		
	STABILIZATION TIME _____		
	ACTUAL PRESS _____ PSIG		
	DEFLECTION READINGS CORRECTLY RECORDED		
	CRACK MAPPING SATISFACTORY		
5.	PRESSURE GAUGE READINGS ACCURATE WHEN COMPARED TO DIGITAL PRESS GAUGE (TUGCO)		

REMARKS: (DWGS, SPECS, ETC.)

RELATED NCR NO.	I.R. CLOSED <input type="checkbox"/>	DATE	SIGNATURE	G.C. INSPECTOR
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