



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

January 19, 2006
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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

South Texas Project
Unit 2
Docket No. STN 50-499
2RE11 Inservice Inspection Summary Report

Enclosed are four copies of the South Texas Project Unit 2 inservice inspection summary report for activities performed prior to and during the eleventh refueling outage (2RE11) completed in October 2005. This summary report satisfies the reporting requirements of ASME Section XI, Article IWA-6230.

There are no commitments contained in this report.

If there are any questions, please contact either Philip Walker at (361) 972-8392 or me at (361) 972-7030.

Michael J. Berg
Manager,
Testing/Programs Engineering

PLW

Enclosures: Examination Plan/Summary Report for the 2RE11 Inservice Inspection

STI#: 31971523

A047

cc:
(paper copy)

Bruce S. Mallett
Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

Richard A. Ratliff
Bureau of Radiation Control
Texas Department of Health
1100 West 49th Street
Austin, TX 78756-3189

Jeffrey Cruz
U. S. Nuclear Regulatory Commission
P. O. Box 289, Mail Code: MN116
Wadsworth, TX 77483

C. M. Canady
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

(electronic copy)

A. H. Gutterman, Esquire
Morgan, Lewis & Bockius LLP

Mohan Thadani
U. S. Nuclear Regulatory Commission

Jack A. Fusco
Michael A. Reed
Texas Genco, LP

C. Kirksey
City of Austin

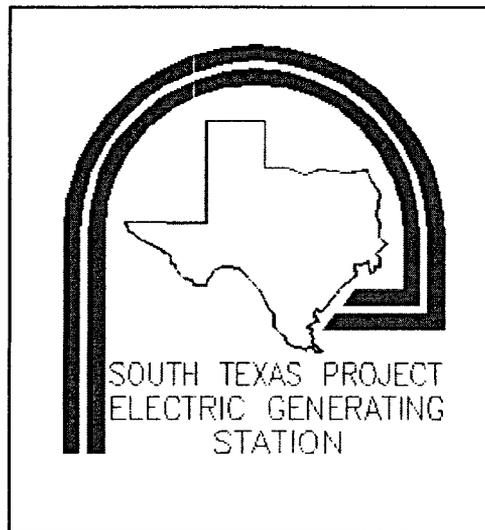
Jon C. Wood
Matthews & Branscomb

J. J. Nesrsta
R. K. Temple
E. Alarcon
City of San Antonio

One Copy per recipient

EXAMINATION PLAN/SUMMARY REPORT
for the
2RE11
INSERVICE INSPECTION
of
UNIT 2
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

**COMPONENT SUPPORT, CONTAINMENT METAL LINER (IWE),
REPAIR/REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM
PRESSURE TESTING, AND WELD INSPECTION PROGRAMS**



STP NUCLEAR OPERATING COMPANY
November 2005

COVER SHEET

**2RE11 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT
SUPPORTS, CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT,
SYSTEM PRESSURE TESTING AND WELD INSPECTION PROGRAMS**

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 2

P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-499

OPERATING LICENSE NO: NPF-80

COMMERCIAL OPERATION DATE: JUNE 19, 1989

Prepared by:



Jerry E. Stauber, Engineer

Reviewed by:



Brandon Jenewein, Supervising Engineer

SCOPE

COMPONENT SUPPORT, REPAIR AND REPLACEMENT, SYSTEM PRESSURE TESTING, AND WELD INSPECTION PROGRAMS

The examinations summarized in this report were performed in accordance with the 1989 Edition with no Addenda of the ASME Code, Section XI which is applicable to the South Texas Project, Unit 2, second ten-year interval (10/19/2000-10/18/2010), second period (10/19/2003-10/18/2007). This report covers selected ASME Code Class 1, 2, and 3 Systems/Components. This report is documented in accordance with the requirements of ASME Section XI Code Case N-532-1.

Examinations and tests required by the Code are scheduled in accordance with "Inspection Program B" as defined in IWB-2412 for ASME Code Class 1 Systems/Components, IWC-2412 for ASME Code Class 2 Systems/Components, and IWD-2412 for ASME Code Class 3 Systems/Components.

The ASME Code Class 1 components were examined as prescribed by Table IWB-2500-1 and the applicable Examination Categories, which established the examination frequency at each refueling outage. The ASME Code Class 2 Systems/Components were examined in accordance with Table IWC-2500-1, Examination Categories. The ASME Code Class 3 Systems/Components were examined in accordance with Table IWD-2500-1, Examination Categories. Component Supports were examined in accordance with Table 2500-1 of Code Case N-491-2.

CONTAINMENT METAL LINER (IWE/IWL)

The Containment Metal Liner examinations summarized in this report were performed in accordance with the 1992 Edition 1992 Addenda of the ASME Code, Section XI, which is applicable to the South Texas Project, Unit 2, first ten-year interval (09/09/1998-09/08/2008), third period (09/09/2005-09/08/2008). This report covers selected ASME Code Class CC liner and MC Components. This report is documented in accordance with the requirements of ASME Section XI Code Case N-532-1.

Examinations and tests required by the Code are scheduled in accordance with "Inspection Program B" as defined in IWE-2412 for ASME Code Class CC liner and MC Components. The Containment Metal Liner Components were examined in accordance with Table IWE-2500-1, Examination Categories.

FORM OAR-1 OWNER'S ACTIVITY REPORT

(Code Case N-532-1)

Report Number OAR-2RE11

Owner STP Nuclear Operating Company, P. O. Box 289, Wadsworth, TX 77483
(Name and Address of Owner)

Plant South Texas Project Electric Generating Station P.O. Box 289, Wadsworth, TX 77483
(Name and Address of Plant)

Unit No. 2 Commercial service date June 19, 1989 Refueling outage no. 2RE11
(If applicable)

Current inspection interval IWB, IWC, IWD, IWF - 2nd; IWE - 1st
(1st, 2nd, 3rd, 4th, other)

Current inspection period IWB, IWC, IWD, IWF - 2nd; IWE - 3rd
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the 10 year inspection plan: 1989 Edition/ No Addenda (IWE-1992 Edition 1992 Addenda)

Date and revision of 10 year inspection plan September 13, 2005, Revision 2

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan N/A

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A Expiration Date N/A
(if applicable)

Signed J. Stauber J. Stauber ENGINEER Date 11/29/05
(Owner or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and pressure Vessel Inspectors and the State or Province of Texas and employed by ABS Group Inc of Houston, Texas have inspected the items described in this Owner's Activity Report, during the period 10/19/2003 to 10/18/2007 for Component Supports, Repair And Replacement, System Pressure Tests and Weld Inspection program, and during the period 9/9/2005 to 9/8/2008 for Containment Metal Liner program, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations, and corrective measures described this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from the connected with this inspection.

Robert Niemann Commissions TX 756
Inspector's Signature National Board, State, Province, and Endorsements
Robert Niemann

Date 11/29/05

TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
Interval 2 Period 2
2RE11
October 2005
COMPONENT SUPPORTS AND WELD INSPECTIONS,
per WINISI Computerized Inservice Inspection Database

Examination Category	Total Examinations Required for the Interval	Total Examinations Credited for the Period	Total Examinations Credited (%) for the Period	Total Examinations Credited (%) to Date for the Interval	Remarks
B-A	1	0	0.00	100.00	
B-B	5	2	40.00	60.00	
B-D	20	8	40.00	60.00	
B-G-2	38	13	34.21	42.11*	
B-H	9	4	44.44	66.67	
B-M-2	15	6	40.00	40.00*	
B-N-1	3	0	0.00	33.33*	
C-A	4	1	25.00	50.00	
C-B	5	2	40.00	60.00	
C-C	25	10	40.00	56.00*	
C-G	16	7	43.75	62.50	
F-A	272	101	37.13	56.99*	
R-A-1	59	19	32.20	49.15*	B-F & B-J **
R-A-2	7	0	0	28.57*	C-F-1 & C-F-2 ***

NOTES:

Period 2 = 2RE10, 2RE11 & 2RE12

- * = need completion of scheduled Period inspections/tests during 2RE12
- ** = Categories combined for Class 1 Risk Informed piping welds
- *** = Categories combined for Class 2 Risk Informed piping welds

TABLE 1A
ABSTRACT OF EXAMINATIONS AND TESTS
Interval 2 Period 2
2RE11
October 2005
SYSTEM PRESSURE TESTING INSPECTIONS,
per WINISI Computerized Inservice Inspection Database

Examination Category	Total Examinations Required for the Interval	Total Examinations Credited for the Period	Total Examinations Credited (%) for the Period	Total Examinations Credited (%) To Date for the Interval	Remarks
B-E	28	8	28.57	57.14*	
B-P	42	12	28.57	57.14*	
C-H	132	32	24.24	57.58*	
D-A	12	0	0.00	33.33*	
D-B	12	1	8.33	41.67*	
D-C	3	1	33.33	66.67	

NOTES:

- Period 2 = 2RE10, 2RE11 & 2RE12
- * = need completion of scheduled Period inspections/tests during 2RE12
- ** = Categories combined for Class 1 Risk Informed piping welds
- *** = Categories combined for Class 2 Risk Informed piping welds

TABLE 1B
ABSTRACT OF EXAMINATIONS AND TESTS
Interval 1 Period 3
2RE11
October 2005
CONTAINMENT METAL LINER (IWE)

Examination Category	Total Examinations Required for the Interval	Total Examinations Credited for the Period	Total Examinations Credited (%) for the Period	Total Examinations Credited (%) To Date for The Interval	Remarks
E-D	3	1	33.33	100.00	
E-G	128	42	32.81	59.38*	

- * = need completion of scheduled Period inspections/tests during 2RE12

NOTES: Period 3 = 2RE11, 2RE12

TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE
2RE11
October 2005

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
		See Note 1		

NOTES:

1. No items found with flaws or relevant conditions that required evaluation for continued service.
2. Surveillance procedure 0PSP11-RC-0015, ASME Section XI Inservice Inspection, documents Inservice Inspection activities during 2RE11.

TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
2RE11
October 2005

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes/No)	Date Completed	Repair/Replacement Plan Number
2	Replacement	Valve	Replaced valve disc	No	11/14/05	02-97-52
2	Replacement	Valve	Replaced valve disc	No	11/14/05	02-97-57
2	Replacement	Valve	Replaced valve disc	No	11/14/05	02-97-66
2	Replacement	Valve	Replaced valve disc	No	11/14/05	02-99-39
3	Replacement	Valve	Replaced valve disc	No	10/20/05	02-01-25
2	Repair	Valve	Drill and tap valve body for Furmanite fitting	No	10/20/05	02-03-29
2	Replacement	Valve	Valve poppet & pilot poppet	No	10/29/05	02-03-40
3	Replacement	Valve	Replaced valve	No	10/24/05	02-03-44
3	Replacement	Pump	Replaced casing capscrews	No	10/20/05	02-03-55
3	Replacement	Pump	Replaced casing capscrews	No	10/20/05	02-03-56
3	Replacement	Pump	Replaced casing capscrews	No	10/20/05	02-03-57
3	Replacement	Piping	Replaced flange nuts & bolts	No	10/29/05	02-04-38
3	Replacement	Piping	Replaced flange nuts & bolts	No	10/29/05	02-04-39
3	Replacement	Piping	Replaced flange nuts & bolts	No	10/21/05	02-04-41
3	Replacement	Piping	Replaced flange nuts & bolts	No	10/22/05	02-04-42
3	Replacement	Valve	Replaced valve disc	No	10/24/05	02-04-43
3	Replacement	Valve	Replaced valve disc	No	10/24/05	02-04-44
2	Repair	Valve	Bonnet seal weld	No	10/22/05	02-04-47
3	Replacement	Valve	Replaced valve disc	No	10/22/05	02-04-49
3	Replacement	Valve	Replaced valve disc	No	10/24/05	02-04-50
3	Replacement	Pipe support	Replaced U strap	No	10/24/05	02-04-52
3	Replacement	Valve	Replaced bonnet bolts	No	10/20/05	02-04-54
3	Replacement	Valve	Replaced bonnet bolts	No	10/24/05	02-04-57

3	Replacement	Valve	Replaced bonnet bolts	No	10/20/05	02-04-58
1	Repair	Valve	Welded in valve disc guides	No	10/20/05	02-04-59
1	Replacement	Valve	Replaced studs & nuts	No	10/20/05	02-04-60
1	Replacement	Valve	Replaced valve plug	No	11/09/05	02-04-61
3	Replacement	Valve	Replaced valve	No	11/14/05	02-04-62
2	Replacement	Valve	Replaced valve bolting	No	10/20/05	02-04-64
2	Replacement	Valve	Replaced valve bolting	No	10/20/05	02-04-65
1	Replacement	Valve	Replaced valve studs & nuts	No	11/15/05	02-05-7
2	Replacement	Valve	Replaced valve ball	No	10/29/05	02-05-16
2	Repair	Valve	Seal Weld of leak off line	No	11/10/05	02-05-18
1	Replacement	Pipe Support	Replace spring can	No	11/10/05	02-05-019
2	Repair	Valve	Bonnet seal weld	No	11/08/05	02-05-20
2	Repair	Valve	Bonnet seal weld	No	11/08/05	02-05-21
2	Replacement	Valve	Replaced valve plug	No	11/10/05	02-05-22
1	Replacement	Valve	Replaced valve	No	11/14/05	02-05-26
1	Replacement	Valve	Replaced valve	No	11/14/05	02-05-27
1	Replacement	Valve	Replaced valve	No	11/14/05	02-05-28
3	Replacement	Piping	Replaced pipe, flange, bolting	No	10/21/05	02-05-30
3	Replacement	Piping	Replaced pipe & flange	No	10/20/05	02-05-35
3	Repair	Piping	Repaired/Replaced pipe, flange	No	10/29/05	02-05-36
1	Repair	Valve, Piping	Replaced valve, piping	No	11/14/05	02-05-37
1	Repair	Valve, Piping	Replaced valve, piping	No	11/15/05	02-05-38
3	Replacement	Valve	Replaced valve	No	10/24/05	02-05-41
2	Replacement	Valve	Replaced valve disc, studs, nuts	No	11/10/05	02-05-42
2	Replacement	Valve	Replaced valve disc	No	11/10/05	02-05-43
2	Replacement	Snubber	Replaced snubber	No	10/18/05	02-05-47
1	Repair	Pipe Support	Repair of spring can	No	11/10/05	02-05-48
3	Repair	Valve	Bonnet seal weld	No	11/08/05	02-05-49
3	Repair	Valve	Bonnet seal weld	No	11/15/05	02-05-50
2	Replacement	Valve	Replaced valve plug	No	11/14/05	02-05-52
1	Replacement	Pipe Support	Replaced sway strut paddles	No	11/14/05	02-05-54