



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

June 23, 2008
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10CFR50.55a

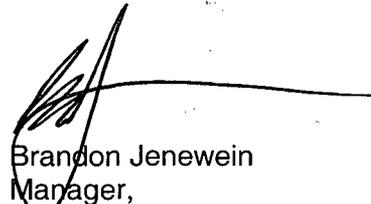
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

South Texas Project
Unit 1
Docket No. STN 50-498
Inservice Inspection Summary Report – 1RE14

Enclosed are four copies of the South Texas Project Unit 1 summary report for inservice inspections performed prior to and during the refueling outage 1RE14 completed in April 2008. This summary report satisfies the reporting requirements of ASME Code Section XI, Article IWA-6230.

There are no commitments in this report.

If there are any questions, please contact either Philip L. Walker at (361) 972-8392 or me at (361) 972-7431.



Brandon Jenewein
Manager,
Testing/Programs

PLW

Enclosure: 1RE14 Inservice Inspection Summary Report for Component Supports, Containment Metal Liner (IWE), Repair and Replacement, Steam Generator Tubing, System Pressure Testing, Weld Inspections and Alloy 600 Activities

STI No: 32325323

A047
NR

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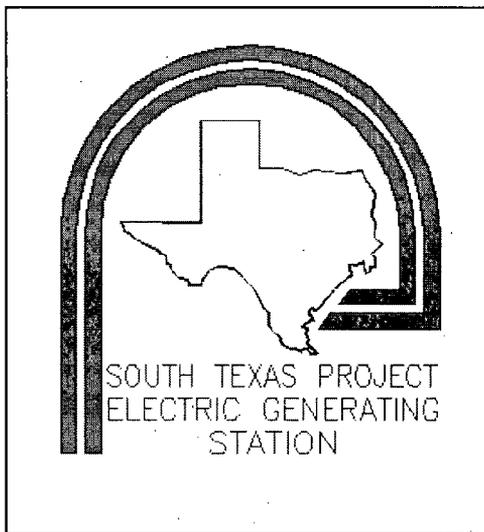
C. Kirksey
City of Austin

Jon C. Wood
Matthews & Branscomb

One copy of the attachment is provided

SUMMARY REPORT
for the
1RE14
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

COMPONENT SUPPORTS, CONTAINMENT METAL LINER (IWE),
REPAIR/REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE
TESTING, WELD INSPECTIONS AND ALLOY 600 ACTIVITIES



STP NUCLEAR OPERATING COMPANY

May 2008

COVER SHEET

**1RE14 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT
SUPPORTS, CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT,
STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTING, WELD
INSPECTIONS AND ALLOY 600 ACTIVITIES**

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1

P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-498

OPERATING LICENSE NO: NPF-78

COMMERCIAL OPERATION DATE: AUGUST 25, 1988

Prepared by: J. E. Stauber 5/29/08
J. E. Stauber, Engineer

Reviewed by: JCY 29 May 08
C. Younger, Supervising Engineer

SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTS 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 1 second ten-year interval (09/25/2000-09/24/2010), third period (09/25/2007-09/24/2010). This report covers selected ASME Code Class 1, 2 and 3 Systems/Components. The results are 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 (IWF) were examined in accordance with Table 2500-1 of Code Case N-491-2.

CONTAINMENT METAL LINER (IWE)

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 1 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 MC Components. The results are 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-1RE14

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. 1 Commercial service date AUGUST 25, 1988 Refueling outage no. 1RE14
(If applicable)

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

Current inspection period IWB, IWC, IWD, IWF - 3rd; 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 28, 2006, Revision 3

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 [Signature] ENGINEER Date 29 May 2008
(Owner or Owner's Designee, Title)
C. J. Younger

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 9/25/2007 to 9/24/2010 for Component Supports, Repair And Replacement, Steam Generator Tubing, 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.

Inspector's Signature
Robert Niemann

Commissions

TX 756

National Board, State, Province, and Endorsements

Date 5/29/08

TABLE 1

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 2 Period 3

IRE14

April 2008

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-B	5	1	20.00	80.00	*
B-D	20	4	20.00	80.00	*
B-G-1(D)	228	228	100.00	100.00	Complete for Interval
B-G-2	32	8	25.00	81.25	*
B-H	9	4	44.44	100.00	Complete for Interval
B-M-2	12	3	25.00	75.00	*
C-A	4	2	50.00	100.00	Complete for Interval
C-B	5	2	40.00	100.00	Complete for Interval
C-C	25	6	24.00	84.00	*
F-A	275	54	19.64	82.18	* Component Supports
R-A-1	57	7	34.43	54.10	* B-F & B-J **
R-A-2	7	2	28.57	57.14	* C-F-1 & C-F-2***

NOTES:

Period 3 = IRE14, IRE15

Period 3 Examination Completion Range = 50% - 100%

* = need completion of scheduled Period inspections/tests during IRE15

** = 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 3
 IRE14
 April 2008
SYSTEM PRESSURE TESTING
 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	24	4	16.67	83.33	*
B-P	36	6	16.67	83.33	*
C-H	132	16	12.12	78.79	*

NOTES: Period 3 = IRE14, IRE15, 2010

Period 3 Examination Completion Range = 50% - 100%

* = Needs completion of scheduled Period inspections/tests during IRE15 in 2010

TABLE 1B
 ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 3
 IRE14
 April 2008
STEAM GENERATOR TUBING

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-Q	8	0	0.00	100.00	Complete for Interval

NOTES: Period 3 = IRE14, IRE15

TABLE IC

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 1 Period 3

IRE14

April 2008

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-A	36	18	50.00	100.00	Complete for Interval
E-D	3	1	33.33	100.00	Complete for Interval
E-G	130	95	73.08	100.00	Complete for Interval

NOTES: Period 3 = IRE13, IRE14

TABLE ID

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 2 Period 3

IRE14

April 2008

ALLOY 600

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
MRP-BMV	18	5	N/A	N/A	Pressurizer Nozzles*
MRP-BMV	12	4	N/A	N/A	Reactor Vessel Nozzles**
MRP-UT	6	5	N/A	N/A	Pressurizer Nozzle Safe Ends***
THPENS-BMV	158	79	N/A	N/A	RPV Top Head Inspection****

NOTES: Period 3 = IRE14, IRE15

* = During IRE14 performed Bare Metal Visual (BMV) on five pressurizer nozzles.

** = During IRE14 performed BMV inspections of four Reactor Pressure Vessel outlet nozzles.

*** = During IRE14 performed Baseline (PSI) inspections on five Pressurizer Nozzles after weld overlay.

**** = During IRE14 performed inspection of RPV top head penetrations - BMV of CRDMs.

TABLE 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE

IRE14
April 2008

Examination Category	Items 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 were found with flaws or relevant conditions that required evaluation for continued service.
2. Surveillance procedure OPSP11-RC-0015, ASME Section XI Inservice Inspection, documents Inservice Inspection activities during IRE14.

TABLE 3
 ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

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
3	Replacement	EW Valve	Replaced valve ball	No	5/14/08	1-5-04
1	Replacement	RH Valve	Replaced valve back seat	No	5/14/08	1-5-37
3	Repair	EW Piping	Replaced portion of pipe line	No	5/14/08	1-6-41
3	Repair	EW Pipe Support	Rewelded pipe strap	No	5/19/08	1-6-42
3	Repair	CC Pump	Reamed inboard bearing housing taper pin holes	No	5/19/08	1-6-62
3	Repair	EW Pump	Machined diffuser bearing housing	No	5/19/08	1-6-64
3	Repair	FC Valve	Body-to-bonnet seal weld	No	5/22/08	1-6-85
2	Replacement	FW Valve	Replaced valve plug	No	5/20/08	1-7-05
3	Replacement	EW Valve	Replaced valve plug	No	5/21/08	1-7-07
2	Replacement	CC Valve	Replaced valve	No	5/20/08	1-7-09
2	Repair	MS Valve	Seal-welded leak-off line plug	No	5/21/08	1-7-15
2	Repair	FW Valve	Seal-welded leak-off line plug	No	5/20/08	1-7-17
3	Replacement	EW Valve	Replaced ball assembly	No	5/21/08	1-7-18
2	Replacement	CV Valve	Replaced valve	No	5/20/08	1-7-19
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-21
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-22
2	Replacement	MS Valve	Replaced valve plug	No	5/20/08	1-7-23
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-29
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-30
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-31
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-32
3	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-33
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-37
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-38

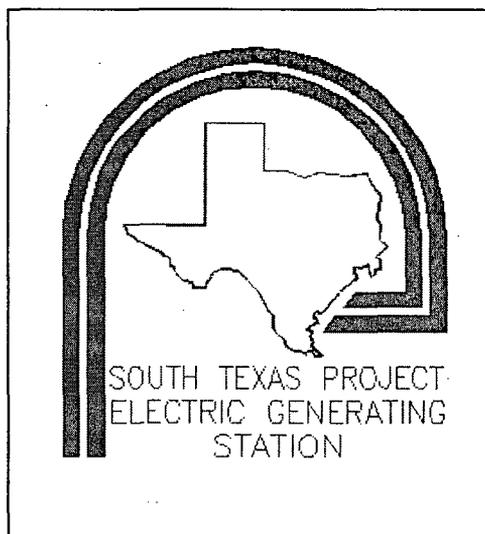
TABLE 3

ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

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
1	Repair	RH Valve	Body-to-bonnet seal weld	No	5/27/08	1-7-40
1	Repair	Pressurizer	Weld overlay of nozzle-to-safe-end welds	No	5/27/08	1-7-42
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-44
1	Replacement	RC Safety Valve	Replaced valve	No	5/22/08	1-7-45
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-46
1	Replacement	Replacement SG	Replaced welded diaphragm covers	No	5/27/08	1-7-53
3	Replacement	EW Valve	Replaced valve internal parts	No	5/22/08	1-7-59
2	Replacement	CV Valve	Replaced valve	No	5/27/08	1-8-03
2	Replacement	CV Valve	Replaced valve	No	5/28/08	1-8-04
2	Replacement	FW Valve	Seal-welded leak-off line plug	No	5/27/08	1-8-06
NG	Repair	Lower Internals Locking Tab	Removed and rewelded locking tab fillet weld	No	5/28/08	1-8-25
NF	Replacement	RC Spring Can	Replaced spring can	No	5/27/08	1-8-33
2	Replacement	RH Snubber	Replaced snubber	No	5/22/08	1-8-35
3	Replacement	CV Valve	Replaced valve and partial piping	No	5/27/08	1-8-36
2	Repair	CV Pipe Support	Added spacer plate	No	5/20/08	1-8-38

SUMMARY REPORT
for the
1RE14
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

COMPONENT SUPPORTS, CONTAINMENT METAL LINER (IWE),
REPAIR/REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE
TESTING, WELD INSPECTIONS AND ALLOY 600 ACTIVITIES



STP NUCLEAR OPERATING COMPANY

May 2008

COVER SHEET

**1RE14 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT
SUPPORTS, CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT,
STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTING, WELD
INSPECTIONS AND ALLOY 600 ACTIVITIES**

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1

P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-498

OPERATING LICENSE NO: NPF-78

COMMERCIAL OPERATION DATE: AUGUST 25, 1988

Prepared by: J. E. Stauber 5/29/88
J. E. Stauber, Engineer

Reviewed by: C. Younger 29 May 88
C. Younger, Supervising Engineer

SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTS 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 1 second ten-year interval (09/25/2000-09/24/2010), third period (09/25/2007-09/24/2010). This report covers selected ASME Code Class 1, 2 and 3 Systems/Components. The results are 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 (IWF) were examined in accordance with Table 2500-1 of Code Case N-491-2.

CONTAINMENT METAL LINER (IWE)

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 1 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 MC Components. The results are 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-1RE14

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. 1 Commercial service date AUGUST 25, 1988 Refueling outage no. 1RE14
(If applicable)

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

Current inspection period IWB, IWC, IWD, IWF - 3rd ; 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 28, 2006, Revision 3

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  ENGINEER Date 29 May 2008
(Owner or Owner's Designee, Title)
C. J. Younger

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 9/25/2007 to 9/24/2010 for Component Supports, Repair And Replacement, Steam Generator Tubing, 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.

 Commissions TX 756
Inspector's Signature National Board, State, Province, and Endorsements
Robert Niemann
Date 5/29/08

TABLE 1

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 2 Period 3

IRE14

April 2008

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-B	5	1	20.00	80.00	*
B-D	20	4	20.00	80.00	*
B-G-1(D)	228	228	100.00	100.00	Complete for Interval
B-G-2	32	8	25.00	81.25	*
B-H	9	4	44.44	100.00	Complete for Interval
B-M-2	12	3	25.00	75.00	*
C-A	4	2	50.00	100.00	Complete for Interval
C-B	5	2	40.00	100.00	Complete for Interval
C-C	25	6	24.00	84.00	*
F-A	275	54	19.64	82.18	* Component Supports
R-A-1	57	7	34.43	54.10	* B-F & B-J **
R-A-2	7	2	28.57	57.14	* C-F-1 & C-F-2***

NOTES:

Period 3 = IRE14, IRE15

Period 3 Examination Completion Range = 50% - 100%

* = need completion of scheduled Period inspections/tests during IRE15

** = 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 3
 IRE14
 April 2008
SYSTEM PRESSURE TESTING
 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	24	4	16.67	83.33	*
B-P	36	6	16.67	83.33	*
C-H	132	16	12.12	78.79	*

NOTES: Period 3 = IRE14, IRE15, 2010

Period 3 Examination Completion Range = 50% - 100%

* = Needs completion of scheduled Period inspections/tests during IRE15 in 2010

TABLE 1B

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 3
 IRE14
 April 2008
STEAM GENERATOR TUBING

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-Q	8	0	0.00	100.00	Complete for Interval

NOTES: Period 3 = IRE14, IRE15

TABLE 1C

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 1 Period 3
 IRE14
 April 2008
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-A	36	18	50.00	100.00	Complete for Interval
E-D	3	1	33.33	100.00	Complete for Interval
E-G	130	95	73.08	100.00	Complete for Interval

NOTES: Period 3 = IRE13, IRE14

TABLE 1D

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 3
 IRE14
 April 2008
ALLOY 600

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
MRP-BMV	18	5	N/A	N/A	Pressurizer Nozzles*
MRP-BMV	12	4	N/A	N/A	Reactor Vessel Nozzles**
MRP-UT	6	5	N/A	N/A	Pressurizer Nozzle Safe Ends***
THPENS-BMV	158	79	N/A	N/A	RPV Top Head Inspection****

NOTES: Period 3 = IRE14, IRE15

* = During IRE14 performed Bare Metal Visual (BMV) on five pressurizer nozzles.

** = During IRE14 performed BMV inspections of four Reactor Pressure Vessel outlet nozzles.

*** = During IRE14 performed Baseline (PSI) inspections on five Pressurizer Nozzles after weld overlay.

**** = During IRE14 performed inspection of RPV top head penetrations - BMV of CRDMs.

TABLE 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
 REQUIRED EVALUATION FOR CONTINUED SERVICE

IRE14
 April 2008

Examination Category	Items 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 were found with flaws or relevant conditions that required evaluation for continued service.
2. Surveillance procedure OPSP11-RC-0015, ASME Section XI Inservice Inspection, documents Inservice Inspection activities during IRE14.

TABLE 3
 ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

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
3	Replacement	EW Valve	Replaced valve ball	No	5/14/08	1-5-04
1	Replacement	RH Valve	Replaced valve back seat	No	5/14/08	1-5-37
3	Repair	EW Piping	Replaced portion of pipe line	No	5/14/08	1-6-41
3	Repair	EW Pipe Support	Rewelded pipe strap	No	5/19/08	1-6-42
3	Repair	CC Pump	Reamed inboard bearing housing taper pin holes	No	5/19/08	1-6-62
3	Repair	EW Pump	Machined diffuser bearing housing	No	5/19/08	1-6-64
3	Repair	FC Valve	Body-to-bonnet seal weld	No	5/22/08	1-6-85
2	Replacement	FW Valve	Replaced valve plug	No	5/20/08	1-7-05
3	Replacement	EW Valve	Replaced valve plug	No	5/21/08	1-7-07
2	Replacement	CC Valve	Replaced valve	No	5/20/08	1-7-09
2	Repair	MS Valve	Seal-welded leak-off line plug	No	5/21/08	1-7-15
2	Repair	FW Valve	Seal-welded leak-off line plug	No	5/20/08	1-7-17
3	Replacement	EW Valve	Replaced ball assembly	No	5/21/08	1-7-18
2	Replacement	CV Valve	Replaced valve	No	5/20/08	1-7-19
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-21
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-22
2	Replacement	MS Valve	Replaced valve plug	No	5/20/08	1-7-23
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-29
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-30
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-31
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-32
3	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-33
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-37
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-38

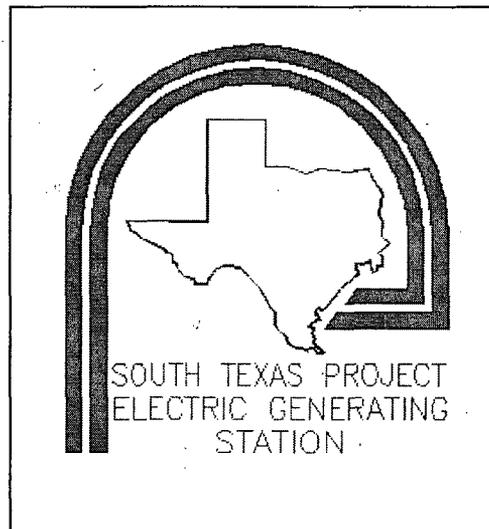
TABLE 3

ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

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
1	Repair	RH Valve	Body-to-bonnet seal weld	No	5/27/08	1-7-40
1	Repair	Pressurizer	Weld overlay of nozzle-to-safe-end welds	No	5/27/08	1-7-42
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-44
1	Replacement	RC Safety Valve	Replaced valve	No	5/22/08	1-7-45
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-46
1	Replacement	Replacement SG	Replaced welded diaphragm covers	No	5/27/08	1-7-53
3	Replacement	EW Valve	Replaced valve internal parts	No	5/22/08	1-7-59
2	Replacement	CV Valve	Replaced valve	No	5/27/08	1-8-03
2	Replacement	CV Valve	Replaced valve	No	5/28/08	1-8-04
2	Replacement	FW Valve	Seal-welded leak-off line plug	No	5/27/08	1-8-06
NG	Repair	Lower Internals Locking Tab	Removed and rewelded locking tab fillet weld	No	5/28/08	1-8-25
NF	Replacement	RC Spring Can	Replaced spring can	No	5/27/08	1-8-33
2	Replacement	RH Snubber	Replaced snubber	No	5/22/08	1-8-35
3	Replacement	CV Valve	Replaced valve and partial piping	No	5/27/08	1-8-36
2	Repair	CV Pipe Support	Added spacer plate	No	5/20/08	1-8-38

SUMMARY REPORT
for the
1RE14
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

COMPONENT SUPPORTS, CONTAINMENT METAL LINER (IWE),
REPAIR/REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE
TESTING, WELD INSPECTIONS AND ALLOY 600 ACTIVITIES



STP NUCLEAR OPERATING COMPANY

May 2008

COVER SHEET

1RE14 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT
SUPPORTS, CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT,
STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTING, WELD
INSPECTIONS AND ALLOY 600 ACTIVITIES

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1

P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-498

OPERATING LICENSE NO: NPF-78

COMMERCIAL OPERATION DATE: AUGUST 25, 1988

Prepared by: J. E. Stauber 5/29/08
J. E. Stauber, Engineer

Reviewed by: C. Younger 29 May 08
C. Younger, Supervising Engineer

SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTS 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 1 second ten-year interval (09/25/2000-09/24/2010), third period (09/25/2007-09/24/2010). This report covers selected ASME Code Class 1, 2 and 3 Systems/Components. The results are 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 (IWF) were examined in accordance with Table 2500-1 of Code Case N-491-2.

CONTAINMENT METAL LINER (IWE)

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 1 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 MC Components. The results are 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-IRE14

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. 1 Commercial service date AUGUST 25, 1988 Refueling outage no. IRE14
(If applicable)

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

Current inspection period IWB, IWC, IWD, IWF - 3rd; 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 28, 2006, Revision 3

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 [Signature] ENGINEER Date 29 May 2008
(Owner or Owner's Designee, Title)
C. J. Younger

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 9/25/2007 to 9/24/2010 for Component Supports, Repair And Replacement, Steam Generator Tubing, 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.

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

Date 5/29/08

TABLE 1

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 2 Period 3

IRE14

April 2008

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-B	5	1	20.00	80.00	*
B-D	20	4	20.00	80.00	*
B-G-1(D)	228	228	100.00	100.00	Complete for Interval
B-G-2	32	8	25.00	81.25	*
B-H	9	4	44.44	100.00	Complete for Interval
B-M-2	12	3	25.00	75.00	*
C-A	4	2	50.00	100.00	Complete for Interval
C-B	5	2	40.00	100.00	Complete for Interval
C-C	25	6	24.00	84.00	*
F-A	275	54	19.64	82.18	* Component Supports
R-A-1	57	7	34.43	54.10	* B-F & B-J **
R-A-2	7	2	28.57	57.14	* C-F-1 & C-F-2***

NOTES:

Period 3 = IRE14, IRE15

Period 3 Examination Completion Range = 50% - 100%

* = need completion of scheduled Period inspections/tests during IRE15

** = 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 3
 IRE14
 April 2008
SYSTEM PRESSURE TESTING
 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	24	4	16.67	83.33	*
B-P	36	6	16.67	83.33	*
C-H	132	16	12.12	78.79	*

NOTES: Period 3 = IRE14, IRE15, 2010

Period 3 Examination Completion Range = 50% - 100%

* = Needs completion of scheduled Period inspections/tests during IRE15 in 2010

TABLE 1B

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 3
 IRE14
 April 2008
STEAM GENERATOR TUBING

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-Q	8	0	0.00	100.00	Complete for Interval

NOTES: Period 3 = IRE14, IRE15

TABLE 1C
 ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 1 Period 3
 1RE14
 April 2008
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-A	36	18	50.00	100.00	Complete for Interval
E-D	3	1	33.33	100.00	Complete for Interval
E-G	130	95	73.08	100.00	Complete for Interval

NOTES: Period 3 = 1RE13, 1RE14

TABLE 1D
 ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 3
 1RE14
 April 2008
ALLOY 600

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
MRP-BMV	18	5	N/A	N/A	Pressurizer Nozzles*
MRP-BMV	12	4	N/A	N/A	Reactor Vessel Nozzles**
MRP-UT	6	5	N/A	N/A	Pressurizer Nozzle Safe Ends***
THPENS-BMV	158	79	N/A	N/A	RPV Top Head Inspection****

NOTES: Period 3 = 1RE14, 1RE15

* = During 1RE14 performed Bare Metal Visual (BMV) on five pressurizer nozzles.

** = During 1RE14 performed BMV inspections of four Reactor Pressure Vessel outlet nozzles.

*** = During 1RE14 performed Baseline (PSI) inspections on five Pressurizer Nozzles after weld overlay.

**** = During 1RE14 performed inspection of RPV top head penetrations - BMV of CRDMs.

TABLE 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE

IRE14
April 2008

Examination Category	Items 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 were found with flaws or relevant conditions that required evaluation for continued service.
2. Surveillance procedure OPSP11-RC-0015, ASME Section XI Inservice Inspection, documents Inservice Inspection activities during IRE14.

TABLE 3
 ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

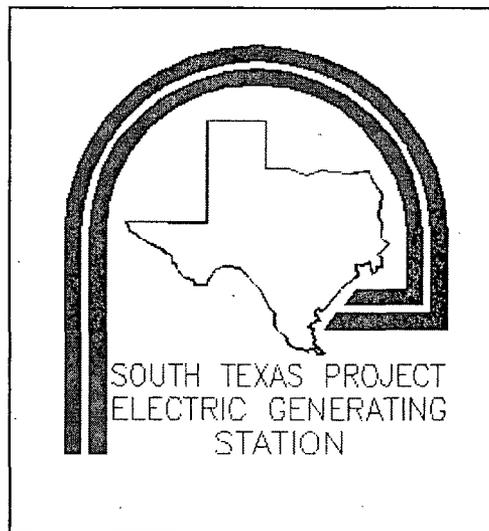
Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes/No)	Date Completed	Repair/Replacement Plan Number
3	Replacement	EW Valve	Replaced valve ball	No	5/14/08	1-5-04
1	Replacement	RH Valve	Replaced valve back seat	No	5/14/08	1-5-37
3	Repair	EW Piping	Replaced portion of pipe line	No	5/14/08	1-6-41
3	Repair	EW Pipe Support	Rewelded pipe strap	No	5/19/08	1-6-42
3	Repair	CC Pump	Reamed inboard bearing housing taper pin holes	No	5/19/08	1-6-62
3	Repair	EW Pump	Machined diffuser bearing housing	No	5/19/08	1-6-64
3	Repair	FC Valve	Body-to-bonnet seal weld	No	5/22/08	1-6-85
2	Replacement	FW Valve	Replaced valve plug	No	5/20/08	1-7-05
3	Replacement	EW Valve	Replaced valve plug	No	5/21/08	1-7-07
2	Replacement	CC Valve	Replaced valve	No	5/20/08	1-7-09
2	Repair	MS Valve	Seal-welded leak-off line plug	No	5/21/08	1-7-15
2	Repair	FW Valve	Seal-welded leak-off line plug	No	5/20/08	1-7-17
3	Replacement	EW Valve	Replaced ball assembly	No	5/21/08	1-7-18
2	Replacement	CV Valve	Replaced valve	No	5/20/08	1-7-19
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-21
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-22
2	Replacement	MS Valve	Replaced valve plug	No	5/20/08	1-7-23
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-29
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-30
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-31
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-32
3	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-33
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-37
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-38

TABLE 3
 ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

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
1	Repair	RH Valve	Body-to-bonnet seal weld	No	5/27/08	1-7-40
1	Repair	Pressurizer	Weld overlay of nozzle-to-safe-end welds	No	5/27/08	1-7-42
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-44
1	Replacement	RC Safety Valve	Replaced valve	No	5/22/08	1-7-45
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-46
1	Replacement	Replacement SG	Replaced welded diaphragm covers	No	5/27/08	1-7-53
3	Replacement	EW Valve	Replaced valve internal parts	No	5/22/08	1-7-59
2	Replacement	CV Valve	Replaced valve	No	5/27/08	1-8-03
2	Replacement	CV Valve	Replaced valve	No	5/28/08	1-8-04
2	Replacement	FW Valve	Seal-welded leak-off line plug	No	5/27/08	1-8-06
NG	Repair	Lower Internals Locking Tab	Removed and rewelded locking tab fillet weld	No	5/28/08	1-8-25
NF	Replacement	RC Spring Can	Replaced spring can	No	5/27/08	1-8-33
2	Replacement	RH Snubber	Replaced snubber	No	5/22/08	1-8-35
3	Replacement	CV Valve	Replaced valve and partial piping	No	5/27/08	1-8-36
2	Repair	CV Pipe Support	Added spacer plate	No	5/20/08	1-8-38

SUMMARY REPORT
for the
1RE14
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

COMPONENT SUPPORTS, CONTAINMENT METAL LINER (IWE),
REPAIR/REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE
TESTING, WELD INSPECTIONS AND ALLOY 600 ACTIVITIES



STP NUCLEAR OPERATING COMPANY

May 2008

COVER SHEET

**1RE14 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT
SUPPORTS, CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT,
STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTING, WELD
INSPECTIONS AND ALLOY 600 ACTIVITIES**

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1

P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-498

OPERATING LICENSE NO: NPF-78

COMMERCIAL OPERATION DATE: AUGUST 25, 1988

Prepared by: *J. E. Stauber* 5/29/08
J. E. Stauber, Engineer

Reviewed by: *C. Younger* 29 May 08
C. Younger, Supervising Engineer

SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, STEAM GENERATOR TUBING, SYSTEM PRESSURE TESTS 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 1 second ten-year interval (09/25/2000-09/24/2010), third period (09/25/2007-09/24/2010). This report covers selected ASME Code Class 1, 2 and 3 Systems/Components. The results are 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 (IWF) were examined in accordance with Table 2500-1 of Code Case N-491-2.

CONTAINMENT METAL LINER (IWE)

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 1 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 MC Components. The results are 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-IRE14

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. 1 Commercial service date AUGUST 25, 1988 Refueling outage no. IRE14
(If applicable)

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

Current inspection period IWB, IWC, IWD, IWF - 3rd ; 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 28, 2006, Revision 3

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 , ENGINEER Date 29 May 2008
(Owner or Owner's Designee, Title)
C. J. Younger

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 9/25/2007 to 9/24/2010 for Component Supports, Repair And Replacement, Steam Generator Tubing, 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.


Inspector's Signature
Robert Niemann

Commissions

TX 756

National Board, State, Province, and Endorsements

Date 5/29/08

TABLE 1

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 2 Period 3

IRE14

April 2008

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-B	5	1	20.00	80.00	*
B-D	20	4	20.00	80.00	*
B-G-1(D)	228	228	100.00	100.00	Complete for Interval
B-G-2	32	8	25.00	81.25	*
B-H	9	4	44.44	100.00	Complete for Interval
B-M-2	12	3	25.00	75.00	*
C-A	4	2	50.00	100.00	Complete for Interval
C-B	5	2	40.00	100.00	Complete for Interval
C-C	25	6	24.00	84.00	*
F-A	275	54	19.64	82.18	* Component Supports
R-A-1	57	7	34.43	54.10	* B-F & B-J **
R-A-2	7	2	28.57	57.14	* C-F-1 & C-F-2***

NOTES: Period 3 = IRE14, IRE15

Period 3 Examination Completion Range = 50% - 100%

* = need completion of scheduled Period inspections/tests during IRE15

** = 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 3
 IRE14
 April 2008
SYSTEM PRESSURE TESTING
 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	24	4	16.67	83.33	*
B-P	36	6	16.67	83.33	*
C-H	132	16	12.12	78.79	*

NOTES: Period 3 = IRE14, IRE15, 2010

Period 3 Examination Completion Range = 50% - 100%

* = Needs completion of scheduled Period inspections/tests during IRE15 in 2010

TABLE 1B

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 3
 IRE14
 April 2008
STEAM GENERATOR TUBING

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-Q	8	0	0.00	100.00	Complete for Interval

NOTES: Period 3 = IRE14, IRE15

TABLE 1C

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 1 Period 3
 1RE14
 April 2008
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-A	36	18	50.00	100.00	Complete for Interval
E-D	3	1	33.33	100.00	Complete for Interval
E-G	130	95	73.08	100.00	Complete for Interval

NOTES: Period 3 = 1RE13, 1RE14

TABLE 1D

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 3
 1RE14
 April 2008
ALLOY 600

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
MRP-BMV	18	5	N/A	N/A	Pressurizer Nozzles*
MRP-BMV	12	4	N/A	N/A	Reactor Vessel Nozzles**
MRP-UT	6	5	N/A	N/A	Pressurizer Nozzle Safe Ends***
THPENS-BMV	158	79	N/A	N/A	RPV Top Head Inspection****

NOTES: Period 3 = 1RE14, 1RE15

* = During 1RE14 performed Bare Metal Visual (BMV) on five pressurizer nozzles.

** = During 1RE14 performed BMV inspections of four Reactor Pressure Vessel outlet nozzles.

*** = During 1RE14 performed Baseline (PSI) inspections on five Pressurizer Nozzles after weld overlay.

**** = During 1RE14 performed inspection of RPV top head penetrations - BMV of CRDMs.

TABLE 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE

IRE14
April 2008

Examination Category	Items 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 were found with flaws or relevant conditions that required evaluation for continued service.
2. Surveillance procedure OPSP11-RC-0015, ASME Section XI Inservice Inspection, documents Inservice Inspection activities during IRE14.

TABLE 3
 ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

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
3	Replacement	EW Valve	Replaced valve ball	No	5/14/08	1-5-04
1	Replacement	RH Valve	Replaced valve back seat	No	5/14/08	1-5-37
3	Repair	EW Piping	Replaced portion of pipe line	No	5/14/08	1-6-41
3	Repair	EW Pipe Support	Rewelded pipe strap	No	5/19/08	1-6-42
3	Repair	CC Pump	Reamed inboard bearing housing taper pin holes	No	5/19/08	1-6-62
3	Repair	EW Pump	Machined diffuser bearing housing	No	5/19/08	1-6-64
3	Repair	FC Valve	Body-to-bonnet seal weld	No	5/22/08	1-6-85
2	Replacement	FW Valve	Replaced valve plug	No	5/20/08	1-7-05
3	Replacement	EW Valve	Replaced valve plug	No	5/21/08	1-7-07
2	Replacement	CC Valve	Replaced valve	No	5/20/08	1-7-09
2	Repair	MS Valve	Seal-welded leak-off line plug	No	5/21/08	1-7-15
2	Repair	FW Valve	Seal-welded leak-off line plug	No	5/20/08	1-7-17
3	Replacement	EW Valve	Replaced ball assembly	No	5/21/08	1-7-18
2	Replacement	CV Valve	Replaced valve	No	5/20/08	1-7-19
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-21
2	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-22
2	Replacement	MS Valve	Replaced valve plug	No	5/20/08	1-7-23
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-29
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-30
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-31
2	Replacement	MS Valve	Replaced valve disc	No	5/15/08	1-7-32
3	Replacement	CV Valve	Replaced valve	No	5/15/08	1-7-33
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-37
1	Replacement	RC Pump	Replaced seal cartridge housing	No	5/15/08	1-7-38

TABLE 3
 ABSTRACT OF REPAIRS, REPLACEMENTS, AND
 CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE
 IRE14
 April 2008

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
1	Repair	RH Valve	Body-to-bonnet seal weld	No	5/27/08	1-7-40
1	Repair	Pressurizer	Weld overlay of nozzle-to-safe-end welds	No	5/27/08	1-7-42
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-44
1	Replacement	RC Safety Valve	Replaced valve	No	5/22/08	1-7-45
1	Replacement	RC Safety Valve	Replaced valve & flange studs	No	5/22/08	1-7-46
1	Replacement	Replacement SG	Replaced welded diaphragm covers	No	5/27/08	1-7-53
3	Replacement	EW Valve	Replaced valve internal parts	No	5/22/08	1-7-59
2	Replacement	CV Valve	Replaced valve	No	5/27/08	1-8-03
2	Replacement	CV Valve	Replaced valve	No	5/28/08	1-8-04
2	Replacement	FW Valve	Seal-welded leak-off line plug	No	5/27/08	1-8-06
NG	Repair	Lower Internals Locking Tab	Removed and rewelded locking tab fillet weld	No	5/28/08	1-8-25
NF	Replacement	RC Spring Can	Replaced spring can	No	5/27/08	1-8-33
2	Replacement	RH Snubber	Replaced snubber	No	5/22/08	1-8-35
3	Replacement	CV Valve	Replaced valve and partial piping	No	5/27/08	1-8-36
2	Repair	CV Pipe Support	Added spacer plate	No	5/20/08	1-8-38