



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

January 8, 2007
NOC-AE-06002102
File No: G25, T07.03
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 – 1RE13

Enclosed are four copies of the South Texas Project Unit 1 summary report for inservice inspections performed prior to and during the refueling outage 1RE13 completed in November, 2006. 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: 1RE13 Inservice Inspection Summary Report for Component Supports, Containment Metal Liner (IWE), Repair and Replacement, Steam Generator Tubing, System Pressure Testing, and Weld Inspection Programs

STI No: 32102784

A047

cc:
(paper copy)

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City Public Service

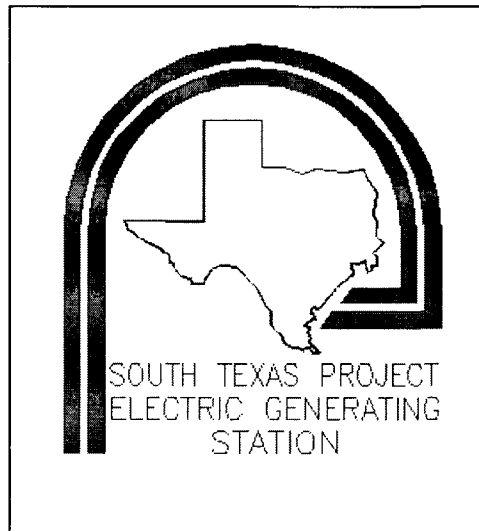
C. Kirksey
City of Austin

Jon C. Wood
Matthews & Branscomb

One copy of the attachment is provided

SUMMARY REPORT
for the
1RE13
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

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



STP NUCLEAR OPERATING COMPANY

December 2006

COVER SHEET

**1RE13 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT SUPPORTS,
CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT, STEAM
GENERATOR TUBING, SYSTEM PRESSURE TESTING, AND WELD INSPECTION
PROGRAMS**

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1

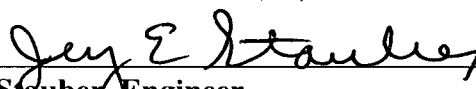
P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-498

OPERATING LICENSE NO: NPF-78

COMMERCIAL OPERATION DATE: AUGUST 25, 1988

Prepared by: 
Jerry E. Stauber, Engineer

Reviewed by: 
Craig 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 that is applicable to the South Texas Project, Unit 1, second ten-year interval (9/25/2000-9/24/2010), second period (9/25/2003-9/24/2007). This report covers selected ASME Code Class 1, 2 & 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)

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, that is applicable to the South Texas Project, Unit 1, first ten-year interval (9/9/1998-9/8/2008), third period (9/9/05-9/8/08). This report covers selected ASME Code Class CC liner & 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 & 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-1RE13

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. 1RE13
(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 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 J. Stauber J. Stauber ENGINEER Date 12/12/06
(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 9/25/2003 to 9/24/2007 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.

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

Date 12/14/06

TABLE 1
 ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 COMPONENT SUPPORT 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-G-2 | 32 | 15 | 46.88 | 56.25 | |
| B-H | 9 | 3 | 33.33 | 55.56 | |
| B-M-2 | 12 | 6 | 50.00 | 50.00 | |
| B-N-1 | 3 | 1 | 33.33 | 66.67 | |
| C-C | 25 | 10 | 40.00 | 60.00 | |
| F-A | 273 | 119 | 43.59 | 63.37 | Component Supports |
| R-A-1 | 61 | 21 | 34.43 | 54.10 | B-F & B-J ** |
| MRP | 26 | 21 | N/A | N/A | ALLOY 600 * |
| BMI | 118 | 1 | N/A | N/A | Bottom Head Inspection |
| THPENS | 237 | 79 | N/A | N/A | Top Head Inspection |

NOTES: Period 2 = IRE12 & IRE13

Period 2 Examination Completion Range = 50% - 67%

* = Performed Baseline (PSI) inspections of Pressurizer Surge Nozzle weld overlay welds.

** = Categories combined for Class 1 Risk Informed piping welds

TABLE 1A

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 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 | 24 | 8 | 33.33 | 66.67 | |
| B-P | 36 | 12 | 33.33 | 66.67 | |
| C-H | 132 | 32 | 24.24 | 57.58 | * |
| D-A | 12 | 3 | 25.00 | 58.33 | * |
| D-B | 12 | 4 | 33.33 | 66.67 | |
| D-C | 3 | 1 | 33.33 | 66.67 | |

NOTES:

Period 2 = IRE12 & IRE13

Period 2 Examination Completion Range = 50% - 67%

* = need completion of scheduled Period inspections/tests during 2007

TABLE 1B

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 STEAM GENERATOR TUBING INSPECTIONS

| 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 | 4 | 50.00 | 100.00 | |

NOTES: Period 2 = IRE12, IRE13

Period 2 Examination Completion Range = 50% - 67%

TABLE 1C

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 1 Period 3
 IRE13
 October 2006
CONTAINMENT METAL LINER INSPECTIONS (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 | 33.33 | 100.00 | |
| E-D | 3 | 1 | 33.33 | 100.00 | |
| E-G | 129 | 42 | 32.65 | 59.69 | * |
| AP-J | 84 | 28 | 33.33 | 100.00 | |

* = need completion of scheduled Period inspections/tests during IRE14

NOTES: Period 3 = IRE13, IRE14

Period 3 Examination Completion Range = 50 - 100%

TABLE 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
 REQUIRED EVALUATION FOR CONTINUED SERVICE
 IRE13
 October 2006

| 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:

- No items found with flaws or relevant conditions that required evaluation for continued service.
- Surveillance procedure 0PSP11-RC-0015, ASME Section XI Inservice Inspection, documents Inservice Inspection activities during IRE13.

TABLE 3

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

IRE13
October 2006

| 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 nozzle | No | 10/04/06 | 01-01-88 |
| 3 | Replacement | Pump | Replaced casing cap screws | No | 10/03/06 | 01-03-52 |
| 2 | Repair | Valve | Weld build up on valve body | No | 10/31/06 | 01-04-02 |
| 3 | Replacement | Valve | Replaced valve | No | 10/03/06 | 01-04-39 |
| 3 | Replacement | Chiller | Replaced stud bolts & nuts | No | 10/04/06 | 01-05-03 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-27 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-28 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-29 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/03/06 | 01-05-31 |
| 3 | Repair | Piping | Seal welded and repaired indications on piping | No | 10/20/06 | 01-05-32 |
| 3 | Repair | Piping | Fabricated pipe & flange | No | 10/20/06 | 01-05-33 |
| 3 | Replacement | Valve | Replaced valve | No | 10/30/06 | 01-05-34 |
| 3 | Repair | Piping | Seal welded indications on piping | No | 11/29/06 | 01-05-35 |
| 2 | Replacement | Filter | Replaced hex bolts | No | 10/03/06 | 01-05-36 |
| 3 | Replacement | Valve | Replaced valve plug | No | 10/18/06 | 01-05-38 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/18/06 | 01-05-39 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/09/06 | 01-05-40 |
| 3 | Repair | Piping | Replaced piping & flange | No | 12/06/06 | 01-05-41 |
| 3 | Replacement | Piping | Removed name plate | No | 10/17/06 | 01-05-44 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/17/06 | 01-06-03 |
| 3 | Replacement | Valve | Replaced valve | No | 11/02/06 | 01-06-04 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-06 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-07 |
| 3 | Replacement | Valve, Piping | Replaced valve ball & piping | No | 11/01/06 | 01-06-11 |
| 3 | Repair | Piping | Replaced flange & bolting | No | 10/18/06 | 01-06-12 |
| 3 | Replacement | Valve | Replaced bonnet studs | No | 10/30/06 | 01-06-13 |

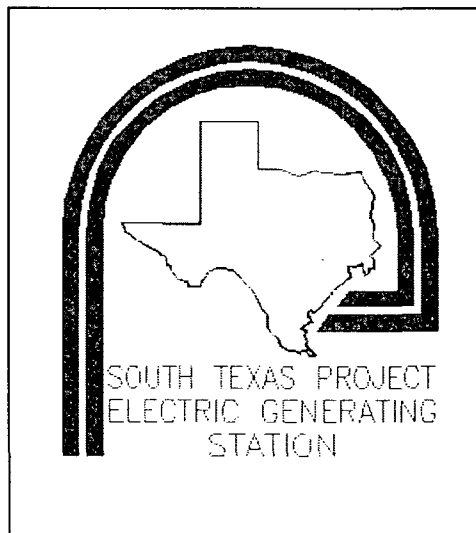
**ABSTRACT OF REPAIRS, REPLACEMENTS, AND
CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE**

IRE13
October 2006

| 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 | Repair | Valve | Replaced valve | No | 11/14/06 | 01-06-14 |
| 3 | Repair | Piping | Replaced piping | No | 10/18/06 | 01-06-17 |
| 3 | Replacement | Piping | Replaced flange nuts & bolts | No | 10/04/06 | 01-06-18 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-24 |
| 2 | Replacement | Valve | Replaced valve plug | No | 11/13/06 | 01-06-30 |
| 3 | Repair | Piping | Replaced flange | No | 11/01/06 | 01-06-31 |
| 3 | Repair | Piping | Replaced flange | No | 10/20/06 | 01-06-32 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/13/06 | 01-06-33 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/14/06 | 01-06-34 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-35 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-36 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-37 |
| 3 | Replacement | Valve | Replaced valve sleeve | No | 10/31/06 | 01-06-38 |
| 2 | Repair | Valve | Seal welded seal leak off | No | 11/14/06 | 01-06-45 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-49 |
| 3 | Replacement | Valve, Piping | Replaced valve & piping | No | 10/18/06 | 01-06-55 |
| 2 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-58 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-65 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-67 |
| 1 | Repair | Pressurizer | Weld Overlay of surge nozzle – performed by vendor | No | 12/05/06 | 01-06-68 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-71 |
| NF | Repair | Pipe Support | Repaired spring can | No | 10/30/06 | 01-06-75 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/13/06 | 01-06-76 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-77 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-78 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-79 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-80 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-81 |
| 1 | Repair | Pressurizer | Blend indications | No | 10/30/06 | 01-06-83 |

SUMMARY REPORT
for the
1RE13
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

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



STP NUCLEAR OPERATING COMPANY

December 2006

COVER SHEET

**1RE13 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT SUPPORTS,
CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT, STEAM
GENERATOR TUBING, SYSTEM PRESSURE TESTING, AND WELD INSPECTION
PROGRAMS**

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: _____

Jerry E. Stauber
Jerry E. Stauber, Engineer

Reviewed by: _____

Craig Younger
Craig 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 that is applicable to the South Texas Project, Unit 1, second ten-year interval (9/25/2000-9/24/2010), second period (9/25/2003-9/24/2007). This report covers selected ASME Code Class 1, 2 & 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)

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, that is applicable to the South Texas Project, Unit 1, first ten-year interval (9/9/1998-9/8/2008), third period (9/9/05-9/8/08). This report covers selected ASME Code Class CC liner & 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 & 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-1RE13

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. IRE13
(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 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 J. Stauber J. Stauber ENGINEER Date 12/12/06
(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 9/25/2003 to 9/24/2007 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.

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

Date 12/14/06

TABLE 1
 ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 COMPONENT SUPPORT 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-G-2 | 32 | 15 | 46.88 | 56.25 | |
| B-H | 9 | 3 | 33.33 | 55.56 | |
| B-M-2 | 12 | 6 | 50.00 | 50.00 | |
| B-N-1 | 3 | 1 | 33.33 | 66.67 | |
| C-C | 25 | 10 | 40.00 | 60.00 | |
| F-A | 273 | 119 | 43.59 | 63.37 | Component Supports |
| R-A-1 | 61 | 21 | 34.43 | 54.10 | B-F & B-J ** |
| MRP | 26 | 21 | N/A | N/A | ALLOY 600 * |
| BMI | 118 | 1 | N/A | N/A | Bottom Head Inspection |
| THPENS | 237 | 79 | N/A | N/A | Top Head Inspection |

NOTES: Period 2 = IRE12 & IRE13

Period 2 Examination Completion Range = 50% - 67%

* = Performed Baseline (PSI) inspections of Pressurizer Surge Nozzle weld overlay welds.

** = Categories combined for Class 1 Risk Informed piping welds

TABLE 1A

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 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 | 24 | 8 | 33.33 | 66.67 | |
| B-P | 36 | 12 | 33.33 | 66.67 | |
| C-H | 132 | 32 | 24.24 | 57.58 | * |
| D-A | 12 | 3 | 25.00 | 58.33 | * |
| D-B | 12 | 4 | 33.33 | 66.67 | |
| D-C | 3 | 1 | 33.33 | 66.67 | |

NOTES: Period 2 = IRE12 & IRE13

Period 2 Examination Completion Range = 50% - 67%

* = need completion of scheduled Period inspections/tests during 2007

TABLE 1B

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 STEAM GENERATOR TUBING INSPECTIONS

| 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 | 4 | 50.00 | 100.00 | |

NOTES: Period 2 = IRE12, IRE13

Period 2 Examination Completion Range = 50% - 67%

TABLE 1C

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 1 Period 3
 IRE13
 October 2006
CONTAINMENT METAL LINER INSPECTIONS (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 | 33.33 | 100.00 | |
| E-D | 3 | 1 | 33.33 | 100.00 | |
| E-G | 129 | 42 | 32.65 | 59.69 | * |
| AP-J | 84 | 28 | 33.33 | 100.00 | |

* = need completion of scheduled Period inspections/tests during IRE14

NOTES: Period 3 = IRE13, IRE14

Period 3 Examination Completion Range = 50 - 100%

TABLE 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
 REQUIRED EVALUATION FOR CONTINUED SERVICE
 IRE13
 October 2006

| 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 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 IRE13.

TABLE 3.

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

IRE13

October 2006

| 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 nozzle | No | 10/04/06 | 01-01-88 |
| 3 | Replacement | Pump | Replaced casing cap screws | No | 10/03/06 | 01-03-52 |
| 2 | Repair | Valve | Weld build up on valve body | No | 10/31/06 | 01-04-02 |
| 3 | Replacement | Valve | Replaced valve | No | 10/03/06 | 01-04-39 |
| 3 | Replacement | Chiller | Replaced stud bolts & nuts | No | 10/04/06 | 01-05-03 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-27 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-28 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-29 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/03/06 | 01-05-31 |
| 3 | Repair | Piping | Seal welded and repaired indications on piping | No | 10/20/06 | 01-05-32 |
| 3 | Repair | Piping | Fabricated pipe & flange | No | 10/20/06 | 01-05-33 |
| 3 | Replacement | Valve | Replaced valve | No | 10/30/06 | 01-05-34 |
| 3 | Repair | Piping | Seal welded indications on piping | No | 11/29/06 | 01-05-35 |
| 2 | Replacement | Filter | Replaced hex bolts | No | 10/03/06 | 01-05-36 |
| 3 | Replacement | Valve | Replaced valve plug | No | 10/18/06 | 01-05-38 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/18/06 | 01-05-39 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/09/06 | 01-05-40 |
| 3 | Repair | Piping | Replaced piping & flange | No | 12/06/06 | 01-05-41 |
| 3 | Replacement | Piping | Removed name plate | No | 10/17/06 | 01-05-44 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/17/06 | 01-06-03 |
| 3 | Replacement | Valve | Replaced valve | No | 11/02/06 | 01-06-04 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-06 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-07 |
| 3 | Replacement | Valve, Piping | Replaced valve ball & piping | No | 11/01/06 | 01-06-11 |
| 3 | Repair | Piping | Replaced flange & bolting | No | 10/18/06 | 01-06-12 |
| 3 | Replacement | Valve | Replaced bonnet studs | No | 10/30/06 | 01-06-13 |

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

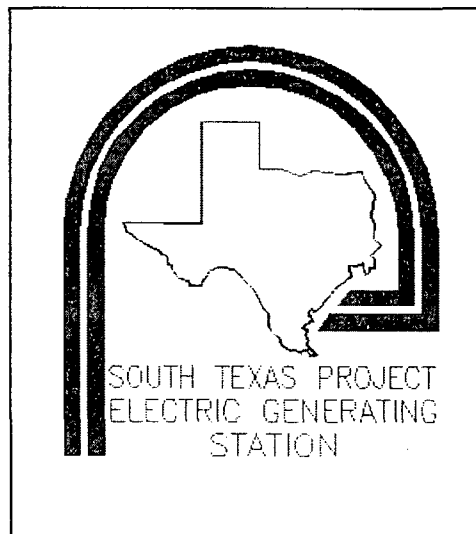
IRE13

October 2006

| 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 | Repair | Valve | Replaced valve | No | 11/14/06 | 01-06-14 |
| 3 | Repair | Piping | Replaced piping | No | 10/18/06 | 01-06-17 |
| 3 | Replacement | Piping | Replaced flange nuts & bolts | No | 10/04/06 | 01-06-18 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-24 |
| 2 | Replacement | Valve | Replaced valve plug | No | 11/13/06 | 01-06-30 |
| 3 | Repair | Piping | Replaced flange | No | 11/01/06 | 01-06-31 |
| 3 | Repair | Piping | Replaced flange | No | 10/20/06 | 01-06-32 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/13/06 | 01-06-33 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/14/06 | 01-06-34 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-35 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-36 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-37 |
| 3 | Replacement | Valve | Replaced valve sleeve | No | 10/31/06 | 01-06-38 |
| 2 | Repair | Valve | Seal welded seal leak off | No | 11/14/06 | 01-06-45 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-49 |
| 3 | Replacement | Valve, Piping | Replaced valve & piping | No | 10/18/06 | 01-06-55 |
| 2 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-58 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-65 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-67 |
| 1 | Repair | Pressurizer | Weld Overlay of surge nozzle -- performed by vendor | No | 12/05/06 | 01-06-68 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-71 |
| NF | Repair | Pipe Support | Repaired spring can | No | 10/30/06 | 01-06-75 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/13/06 | 01-06-76 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-77 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-78 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-79 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-80 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-81 |
| 1 | Repair | Pressurizer | Blend indications | No | 10/30/06 | 01-06-83 |

SUMMARY REPORT
for the
1RE13
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

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



STP NUCLEAR OPERATING COMPANY

December 2006

COVER SHEET

**1RE13 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT SUPPORTS,
CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT, STEAM
GENERATOR TUBING, SYSTEM PRESSURE TESTING, AND WELD INSPECTION
PROGRAMS**

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: 
Jerry E. Stauber, Engineer

Reviewed by: 
Craig 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 that is applicable to the South Texas Project, Unit 1, second ten-year interval (9/25/2000-9/24/2010), second period (9/25/2003-9/24/2007). This report covers selected ASME Code Class 1, 2 & 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)

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, that is applicable to the South Texas Project, Unit 1, first ten-year interval (9/9/1998-9/8/2008), third period (9/9/05-9/8/08). This report covers selected ASME Code Class CC liner & 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 & 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-IRE13

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. IRE13
(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 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 J. Stauber J. Stauber ENGINEER Date 12/12/06
(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 9/25/2003 to 9/24/2007 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.

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

Date 12/14/06

TABLE 1
 ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 COMPONENT SUPPORT 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-G-2 | 32 | 15 | 46.88 | 56.25 | |
| B-H | 9 | 3 | 33.33 | 55.56 | |
| B-M-2 | 12 | 6 | 50.00 | 50.00 | |
| B-N-1 | 3 | 1 | 33.33 | 66.67 | |
| C-C | 25 | 10 | 40.00 | 60.00 | |
| F-A | 273 | 119 | 43.59 | 63.37 | Component Supports |
| R-A-1 | 61 | 21 | 34.43 | 54.10 | B-F & B-J ** |
| MRP | 26 | 21 | N/A | N/A | ALLOY 600 * |
| BMI | 118 | 1 | N/A | N/A | Bottom Head Inspection |
| THPENS | 237 | 79 | N/A | N/A | Top Head Inspection |

NOTES: Period 2 = IRE12 & IRE13

Period 2 Examination Completion Range = 50% - 67%

* = Performed Baseline (PSI) inspections of Pressurizer Surge Nozzle weld overlay welds.

** = Categories combined for Class 1 Risk Informed piping welds

TABLE 1A

ABSTRACT OF EXAMINATIONS AND TESTS
Interval 2 Period 2
IRE13
October 2006
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 | 24 | 8 | 33.33 | 66.67 | |
| B-P | 36 | 12 | 33.33 | 66.67 | |
| C-H | 132 | 32 | 24.24 | 57.58 | * |
| D-A | 12 | 3 | 25.00 | 58.33 | * |
| D-B | 12 | 4 | 33.33 | 66.67 | |
| D-C | 3 | 1 | 33.33 | 66.67 | |

NOTES: Period 2 = IRE12 & IRE13

Period 2 Examination Completion Range = 50% - 67%

* = need completion of scheduled Period inspections/tests during 2007

TABLE 1B

ABSTRACT OF EXAMINATIONS AND TESTS
Interval 2 Period 2
IRE13
October 2006
STEAM GENERATOR TUBING INSPECTIONS

| 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 | 4 | 50.00 | 100.00 | |

NOTES: Period 2 = IRE12, IRE13

Period 2 Examination Completion Range = 50% - 67%

TABLE 1C

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 1 Period 3

IRE13

October 2006

CONTAINMENT METAL LINER INSPECTIONS (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 | 33.33 | 100.00 | |
| E-D | 3 | 1 | 33.33 | 100.00 | |
| E-G | 129 | 42 | 32.65 | 59.69 | * |
| AP-J | 84 | 28 | 33.33 | 100.00 | |

* = need completion of scheduled Period inspections/tests during IRE14

NOTES: Period 3 = IRE13, IRE14

Period 3 Examination Completion Range = 50 - 100%

TABLE 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT

REQUIRED EVALUATION FOR CONTINUED SERVICE

IRE13

October 2006

| 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 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 IRE13.

TABLE 3

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

IRE13

October 2006

| 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 nozzle | No | 10/04/06 | 01-01-88 |
| 3 | Replacement | Pump | Replaced casing cap screws | No | 10/03/06 | 01-03-52 |
| 2 | Repair | Valve | Weld build up on valve body | No | 10/31/06 | 01-04-02 |
| 3 | Replacement | Valve | Replaced valve | No | 10/03/06 | 01-04-39 |
| 3 | Replacement | Chiller | Replaced stud bolts & nuts | No | 10/04/06 | 01-05-03 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-27 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-28 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-29 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/03/06 | 01-05-31 |
| 3 | Repair | Piping | Seal welded and repaired indications on piping | No | 10/20/06 | 01-05-32 |
| 3 | Repair | Piping | Fabricated pipe & flange | No | 10/20/06 | 01-05-33 |
| 3 | Replacement | Valve | Replaced valve | No | 10/30/06 | 01-05-34 |
| 3 | Repair | Piping | Seal welded indications on piping | No | 11/29/06 | 01-05-35 |
| 2 | Replacement | Filter | Replaced hex bolts | No | 10/03/06 | 01-05-36 |
| 3 | Replacement | Valve | Replaced valve plug | No | 10/18/06 | 01-05-38 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/18/06 | 01-05-39 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/09/06 | 01-05-40 |
| 3 | Repair | Piping | Replaced piping & flange | No | 12/06/06 | 01-05-41 |
| 3 | Replacement | Piping | Removed name plate | No | 10/17/06 | 01-05-44 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/17/06 | 01-06-03 |
| 3 | Replacement | Valve | Replaced valve | No | 11/02/06 | 01-06-04 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-06 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-07 |
| 3 | Replacement | Valve, Piping | Replaced valve ball & piping | No | 11/01/06 | 01-06-11 |
| 3 | Repair | Piping | Replaced flange & bolting | No | 10/18/06 | 01-06-12 |
| 3 | Replacement | Valve | Replaced bonnet studs | No | 10/30/06 | 01-06-13 |

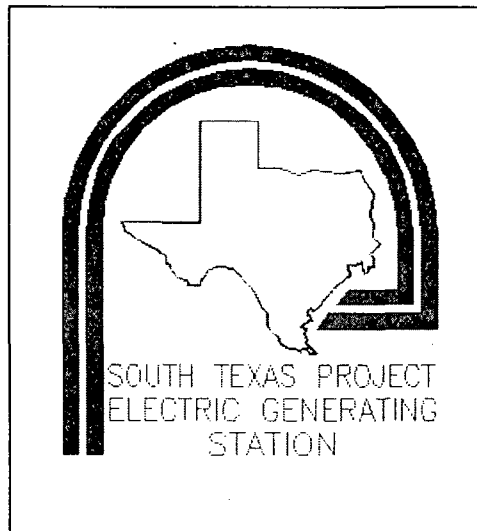
ABSTRACT OF REPAIRS, REPLACEMENTS, AND
CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

IRE13
October 2006

| 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 | Repair | Valve | Replaced valve | No | 11/14/06 | 01-06-14 |
| 3 | Repair | Piping | Replaced piping | No | 10/18/06 | 01-06-17 |
| 3 | Replacement | Piping | Replaced flange nuts & bolts | No | 10/04/06 | 01-06-18 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-24 |
| 2 | Replacement | Valve | Replaced valve plug | No | 11/13/06 | 01-06-30 |
| 3 | Repair | Piping | Replaced flange | No | 11/01/06 | 01-06-31 |
| 3 | Repair | Piping | Replaced flange | No | 10/20/06 | 01-06-32 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/13/06 | 01-06-33 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/14/06 | 01-06-34 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-35 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-36 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-37 |
| 3 | Replacement | Valve | Replaced valve sleeve | No | 10/31/06 | 01-06-38 |
| 2 | Repair | Valve | Seal welded seal leak off | No | 11/14/06 | 01-06-45 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-49 |
| 3 | Replacement | Valve, Piping | Replaced valve & piping | No | 10/18/06 | 01-06-55 |
| 2 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-58 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-65 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-67 |
| 1 | Repair | Pressurizer | Weld Overlay of surge nozzle – performed by vendor | No | 12/05/06 | 01-06-68 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-71 |
| NF | Repair | Pipe Support | Repaired spring can | No | 10/30/06 | 01-06-75 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/13/06 | 01-06-76 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-77 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-78 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-79 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-80 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-81 |
| 1 | Repair | Pressurizer | Blend indications | No | 10/30/06 | 01-06-83 |

SUMMARY REPORT
for the
1RE13
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION

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



STP NUCLEAR OPERATING COMPANY

December 2006

COVER SHEET

**1RE13 INSERVICE INSPECTION SUMMARY REPORT FOR COMPONENT SUPPORTS,
CONTAINMENT METAL LINER (IWE), REPAIR AND REPLACEMENT, STEAM
GENERATOR TUBING, SYSTEM PRESSURE TESTING, AND WELD INSPECTION
PROGRAMS**

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: 
Jerry E. Stauber, Engineer

Reviewed by: 
Craig 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 that is applicable to the South Texas Project, Unit 1, second ten-year interval (9/25/2000-9/24/2010), second period (9/25/2003-9/24/2007). This report covers selected ASME Code Class 1, 2 & 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)

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, that is applicable to the South Texas Project, Unit 1, first ten-year interval (9/9/1998-9/8/2008), third period (9/9/05-9/8/08). This report covers selected ASME Code Class CC liner & 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 & 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-1RE13

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. 1RE13
(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 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 J. Stauber J. Stauber ENGINEER Date 12/12/06
(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 9/25/2003 to 9/24/2007 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.

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

Date 12/14/06

TABLE 1

ABSTRACT OF EXAMINATIONS AND TESTS
Interval 2 Period 2
1RE13
October 2006
COMPONENT SUPPORT 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-G-2 | 32 | 15 | 46.88 | 56.25 | |
| B-H | 9 | 3 | 33.33 | 55.56 | |
| B-M-2 | 12 | 6 | 50.00 | 50.00 | |
| B-N-1 | 3 | 1 | 33.33 | 66.67 | |
| C-C | 25 | 10 | 40.00 | 60.00 | |
| F-A | 273 | 119 | 43.59 | 63.37 | Component Supports |
| R-A-1 | 61 | 21 | 34.43 | 54.10 | B-F & B-J ** |
| MRP | 26 | 21 | N/A | N/A | ALLOY 600 * |
| BMI | 118 | 1 | N/A | N/A | Bottom Head Inspection |
| THPENS | 237 | 79 | N/A | N/A | Top Head Inspection |

NOTES: Period 2 = 1RE12 & 1RE13

Period 2 Examination Completion Range = 50% - 67%

* = Performed Baseline (PSI) inspections of Pressurizer Surge Nozzle weld overlay welds.

** = Categories combined for Class 1 Risk Informed piping welds

TABLE 1A

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 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 | 24 | 8 | 33.33 | 66.67 | |
| B-P | 36 | 12 | 33.33 | 66.67 | |
| C-H | 132 | 32 | 24.24 | 57.58 | * |
| D-A | 12 | 3 | 25.00 | 58.33 | * |
| D-B | 12 | 4 | 33.33 | 66.67 | |
| D-C | 3 | 1 | 33.33 | 66.67 | |

NOTES: Period 2 = IRE12 & IRE13
 Period 2 Examination Completion Range = 50% - 67%
 * = need completion of scheduled Period inspections/tests during 2007

TABLE 1B

ABSTRACT OF EXAMINATIONS AND TESTS
 Interval 2 Period 2
 IRE13
 October 2006
 STEAM GENERATOR TUBING INSPECTIONS

| 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 | 4 | 50.00 | 100.00 | |

NOTES: Period 2 = IRE12, IRE13
 Period 2 Examination Completion Range = 50% - 67%

TABLE 1C

ABSTRACT OF EXAMINATIONS AND TESTS

Interval 1 Period 3

1RE13

October 2006

CONTAINMENT METAL LINER INSPECTIONS (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 | 33.33 | 100.00 | |
| E-D | 3 | 1 | 33.33 | 100.00 | |
| E-G | 129 | 42 | 32.65 | 59.69 | * |
| AP-J | 84 | 28 | 33.33 | 100.00 | |

* = need completion of scheduled Period inspections/tests during 1RE14

NOTES: Period 3 = 1RE13, 1RE14

Period 3 Examination Completion Range = 50 - 100%

TABLE 2

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

1RE13

October 2006

| 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:

- No items found with flaws or relevant conditions that required evaluation for continued service.
- Surveillance procedure 0PSP11-RC-0015, ASME Section XI Inservice Inspection, documents Inservice Inspection activities during 1RE13.

TABLE 3

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

IRE13

October 2006

| 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 nozzle | No | 10/04/06 | 01-01-88 |
| 3 | Replacement | Pump | Replaced casing cap screws | No | 10/03/06 | 01-03-52 |
| 2 | Repair | Valve | Weld build up on valve body | No | 10/31/06 | 01-04-02 |
| 3 | Replacement | Valve | Replaced valve | No | 10/03/06 | 01-04-39 |
| 3 | Replacement | Chiller | Replaced stud bolts & nuts | No | 10/04/06 | 01-05-03 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-27 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-28 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/04/06 | 01-05-29 |
| 3 | Replacement | Piping | Replaced flange bolts & nuts | No | 10/03/06 | 01-05-31 |
| 3 | Repair | Piping | Seal welded and repaired indications on piping | No | 10/20/06 | 01-05-32 |
| 3 | Repair | Piping | Fabricated pipe & flange | No | 10/20/06 | 01-05-33 |
| 3 | Replacement | Valve | Replaced valve | No | 10/30/06 | 01-05-34 |
| 3 | Repair | Piping | Seal welded indications on piping | No | 11/29/06 | 01-05-35 |
| 2 | Replacement | Filter | Replaced hex bolts | No | 10/03/06 | 01-05-36 |
| 3 | Replacement | Valve | Replaced valve plug | No | 10/18/06 | 01-05-38 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/18/06 | 01-05-39 |
| 3 | Repair | Piping | Replaced piping & flange | No | 10/09/06 | 01-05-40 |
| 3 | Repair | Piping | Replaced piping & flange | No | 12/06/06 | 01-05-41 |
| 3 | Replacement | Piping | Removed name plate | No | 10/17/06 | 01-05-44 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/17/06 | 01-06-03 |
| 3 | Replacement | Valve | Replaced valve | No | 11/02/06 | 01-06-04 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-06 |
| 2 | Repair | Valve | Seal welded valve body to bonnet | No | 11/13/06 | 01-06-07 |
| 3 | Replacement | Valve, Piping | Replaced valve ball & piping | No | 11/01/06 | 01-06-11 |
| 3 | Repair | Piping | Replaced flange & bolting | No | 10/18/06 | 01-06-12 |
| 3 | Replacement | Valve | Replaced bonnet studs | No | 10/30/06 | 01-06-13 |

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

IRE13
October 2006

| 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 | Repair | Valve | Replaced valve | No | 11/14/06 | 01-06-14 |
| 3 | Repair | Piping | Replaced piping | No | 10/18/06 | 01-06-17 |
| 3 | Replacement | Piping | Replaced flange nuts & bolts | No | 10/04/06 | 01-06-18 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-24 |
| 2 | Replacement | Valve | Replaced valve plug | No | 11/13/06 | 01-06-30 |
| 3 | Repair | Piping | Replaced flange | No | 11/01/06 | 01-06-31 |
| 3 | Repair | Piping | Replaced flange | No | 10/20/06 | 01-06-32 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/13/06 | 01-06-33 |
| 1 | Replacement | Pump | Replaced cartridge seal | No | 11/14/06 | 01-06-34 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-35 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-36 |
| 1 | Replacement | Valve | Replaced valve | No | 11/13/06 | 01-06-37 |
| 3 | Replacement | Valve | Replaced valve sleeve | No | 10/31/06 | 01-06-38 |
| 2 | Repair | Valve | Seal welded seal leak off | No | 11/14/06 | 01-06-45 |
| 3 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-49 |
| 3 | Replacement | Valve, Piping | Replaced valve & piping | No | 10/18/06 | 01-06-55 |
| 2 | Replacement | Valve | Replaced valve ball | No | 10/26/06 | 01-06-58 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-65 |
| 1 | Repair | Steam Generator | Replaced handhole diaphragm | No | 11/14/06 | 01-06-67 |
| 1 | Repair | Pressurizer | Weld Overlay of surge nozzle - performed by vendor | No | 12/05/06 | 01-06-68 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-71 |
| NF | Repair | Pipe Support | Repaired spring can | No | 10/30/06 | 01-06-75 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/13/06 | 01-06-76 |
| 2 | Replacement | Valve | Replaced valve disc | No | 11/14/06 | 01-06-77 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-78 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-79 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-80 |
| 3 | Repair | Valve | Seal weld bonnet | No | 10/24/06 | 01-06-81 |
| 1 | Repair | Pressurizer | Blend indications | No | 10/30/06 | 01-06-83 |