



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

August 2, 2010
NOC-AE-10002585
File No: G25, T07.03
10 CFR 50.55a

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

South Texas Project
Unit 2
Docket No. STN 50-499
Inservice Inspection Summary Report – 2RE14

Attached are four copies of the South Texas Project Unit 2 summary report for inservice inspections performed prior to and during refueling outage 2RE14 completed in May 2010. 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) 972-7904

Marco Ruyalcaba
Manager,
Testing/Programs

mk

Attachment: Summary Report for 2RE14 Inservice Inspection of Unit 2 South Texas Project
Electric Generating Station (4 copies)

A047
NRC

STI No: 32718273

cc:
(paper copy) *

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U. S. Nuclear Regulatory Commission
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NRG South Texas LP

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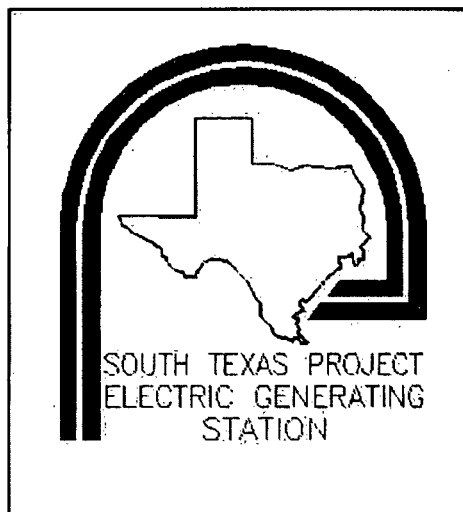
C. Mele
City of Austin

Richard A. Ratliff
Texas Department of State Health
Services

Alice Rogers
Texas Department of State Health
Services

* One copy of the attachment is provided.

**SUMMARY REPORT
for the
2RE14
INSERVICE INSPECTION
of
UNIT 2
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION**



STP NUCLEAR OPERATING COMPANY
April 2010

COVER SHEET

2RE14 INSERVICE INSPECTION SUMMARY REPORT

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 2

P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-499

OPERATING LICENSE NO: NPF-80

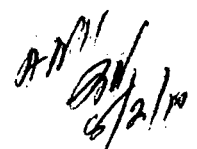
COMMERCIAL OPERATION DATE: JUNE 19, 1989

Prepared by:


J. Williams, Engineer

Reviewed by:


L. Spiess, Supervising Engineer



SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, SYSTEM PRESSURE TESTS AND WELD INSPECTION PROGRAMS (IWB, IWC, IWD, IWL)

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 2, second ten-year interval (10/19/2000-10/18/2010), third period (10/19/2007-10/18/2010). 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-532-4.

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.

The ASME Code Class CC components were examined as prescribed by Table IWL-2500-1; ASME 2004 Edition No addenda subsection IWL. 20th Year examinations were completed under Surveillance ST: 88000349, (OPSP09-TD-001 Containment Tendon Test/End Anchorage and Adjustment Concrete Inspection.)

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6/2/10

FORM OAR-1 OWNER'S ACTIVITY REPORT (Code Case N-532-4)

Report Number OAR-2RE14

Plant South Texas Project Electric Generating Station

Unit No. 2 Commercial service date JUNE 19, 1989 Refueling outage no. 2RE14
(If applicable)

Current inspection interval IWB, IWC, IWD, IWF - 2nd; IWE - 2nd, IWL - 20th Year
(1st, 2nd, 3rd, 4th, other)

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

Edition and Addenda of Section XI applicable to the inspection plan 1989 No Addenda, IWE & IWL-2004 Edition No Addenda

Date and revision of inspection plan September 2009/ Revision 5, Supplement 2

Edition and Addenda of Section XI applicable to repairs/replacement activities, if different than the inspection plan _____

Code Cases used: N-722, N-729-1

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 2RE14 conform to the requirements of Section XI.

(Refueling outage number)

Signed [Signature] Testing/Programs Engineer Date 8/02/2010
(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 Boiler & Marine Insurance Co. of Houston, Texas have inspected the items described in this Owner's Activity Report, 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 repairs/replacements activities and evaluation 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
National Board, State, Province, and Endorsements

Date 08/02/2010

APR 11
2010
8/2/10

TABLE 1

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

2RE14
April 2010

Examination Category	Items Number	Item Description	Evaluation description
		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 2RE14.

AP 11
6/2/10

TABLE 2
ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE
2RE/4
April 2010

Code Class	Repair, Replacement; or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
3	Replacement	Valve	Replaced valve	01/20/2009	2-8-022
3	Replacement	Valve	Replaced valve	04/21/2009	2-8-041
2	Replacement	Valve	Replaced valve clamp cap screws	12/04/2008	2-8-042
3	Replacement	Pump	Replaced Seal and Bearings	01/21/2009	2-8-055
3	Replacement	Valve	Replaced valve	01/20/2009	2-8-057
3	Repair	Valve	Machined Check Valve Plates	11/13/2009	2-8-060
3	Replacement	Strainer	Replace Cover bolting	01/22/2009	2-9-004
3	Replacement	Flange	Replaced flange	04/24/2009	2-9-005
3	Replacement	Valve	Replaced Hinge Pin Bushings & Stop Pin Bushings	06/15/2009	2-9-007
3	Replacement	Flange	Replaced Blind Flange	04/24/2009	2-9-009
3	Replacement	Pump	Replaced Pump with Product Lubricated Pump	04/24/2010	2-9-010
3	Replacement	Seismic Supports	Modification of Seismic Supports	04/24/2010	2-9-011
3	Replacement	Pipe	Replaced partial piping spool	04/24/2009	2-9-013
3	Replacement	Valve	Replaced valve	04/22/2009	2-9-014
2	Repair	Door Seal	Repair seal with Helicoil repair	09/20/2009	2-9-015
2	Repair	Door Seal	Repair seal with Helicoil repair	07/09/2009	2-9-016
3	Replacement	Valve	Replaced damage Valve parts/ Machined Valve Body	07/02/2009	2-9-017 R-1
3	Replacement	Pump	Replaced gland seals and plates	07/10/2009	2-9-018
2	Replacement	Valve	Replaced Pilot Poppet	04/16/2010	2-9-027
2	Replacement	Valve	Replaced Pilot Poppet	04/13/2010	2-9-028
2	Replacement	Valve	Replaced Pilot Poppet	04/15/2010	2-9-029
1	Replacement	Pump	Replaced Seal Housing bolts	09/22/2009	2-9-030
2	Replacement	Valve	Replaced Valve Plug, Seat Ring and Bonnet Seal Ring	04/23/2010	2-9-033
2	Replacement	Gaskets/Fasteners	Replaced inner & outer HX gaskets, Bonnet Flange fastener, inlet & outlet Fasteners and gaskets	04/09/2010	2-9-037
3	Replacement	Pump	Replaced leaking drain plug	12/07/2009	2-9-038
1	Replacement	Spring Can	Replaced Spring Can RC-2123-SH0002	04/22/2010	2-9-039
1	Repair	Spring Can	Weld Build Up of Can housing and indicator	04/17/2010	2-9-041
2	Replacement	Valve	Replaced code parts during valve internals inspection	04/13/2010	2-9-043

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REQUIRED FOR CONTINUED SERVICE
2RE14
April 2010

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
1	Repair	Valve	Seal Weld Repair	04/15/2010	2-9-044
1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/24/2010	2-9-045
1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/24/2010	2-9-046
1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/22/2010	2-9-047
1	Replacement	Valve	Replaced Valve	04/12/2010	2-9-048
1	Replacement	Valve	Replaced Seals	04/26/2009	2-9-053
2	Replacement	Pump	Replaced Seal Glands	02/24/2010	2-9-054
2	Replacement	Valve	Replaced Valve Disc	04/20/2010	2-9-055
2	Replacement	Pump	Replaced Inboard & Outboard Seals	03/04/2010	2-9-057
3	Repair	Pipe	Repair ECW 30" pipe	12/25/2009	2-9-059
2	Replacement	Valve	Replaced Valve	04/10/2010	2-10-002
1	Replacement	Strut Support	Replaced Rigid Sway Strut RC-2002-HL5004	04/13/2010	2-10-003
1	Replacement	Strut Support	Replaced Rigid Sway Strut RC	04/13/2010	2-10-004
3	Replacement	Valve	Replaced PSV with new tested PSV	02/02/2010	2-10-005
3	Replacement	Pump	Replaced Upper Bearing oil cooler & Motor Air Coolers	04/22/2010	2-10-006
1	Replacement	Pump	Replaced #1 Seal Housing Bolting/ #2C RCP	04/07/2010	2-10-008
1	Replacement	RRVH	Install CETNA Housing Nozzles 75,76,77 & 78	04/20/2010	2-10-009
1	Replacement	RRVH	Harvesting of code materials from old RVH for installation on RRVH	04/23/2010	2-10-011
1	Replacement	RRVH	Traveler with admin work order to document replacement of Unit-2 Reactor Closure Head & Appurtenances	04/23/2010	2-10-012
1	Replacement	RRVH	Remove and store ORVH ASME Code Nameplate	04/26/2010	2-10-013 R-1
1	Replacement	RRVH	Harvesting of previously installed CENTA Compression Collars for use during CENTA reassembly on RRVH in 2RE14	04/29/2010	2-10-014
1	Replacement	RRVH	Installation of RRVH CETNA Seal Assemblies	04/24/2010	2-10-015

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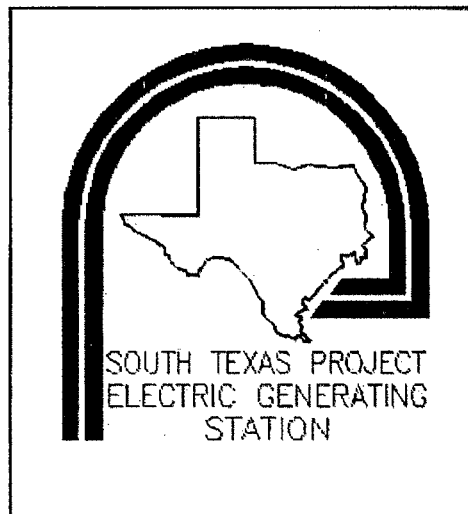
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 2RE14
 April 2010

Attachment
 NOC-AE-10002585
 Page 8 of 8

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
1	Replacement	RRVH	Install new design IDD Housing Seal Plug & Nut assembly	04/25/2010	2-10-016
1	Replacement	Snubber	Replaced Mech Snubber	04/13/2010	2-10-021
2	Replacement	Valve	Replaced Valve	04/22/2010	2-10-022
2	Replacement	Valve	Replaced lower body thread plug and seal welded plug	04/25/2010	2-10-027

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**SUMMARY REPORT
for the
2RE14
INSERVICE INSPECTION
of
UNIT 2
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION**



STP NUCLEAR OPERATING COMPANY

April 2010

COVER SHEET

2RE14 INSERVICE INSPECTION SUMMARY REPORT

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 2

P.O. BOX 289

WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-499

OPERATING LICENSE NO: NPF-80

COMMERCIAL OPERATION DATE: JUNE 19, 1989

Prepared by: 
J. Williams, Engineer

Reviewed by: 
L. Spiess, Supervising Engineer


6/2/89

SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, SYSTEM PRESSURE TESTS AND WELD INSPECTION PROGRAMS (IWB, IWC, IWD, IWL)

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 2, second ten-year interval (10/19/2000-10/18/2010), third period (10/19/2007-10/18/2010). 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-532-4.

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Plant South Texas Project Electric Generating Station

Unit No. 2 Commercial service date JUNE 19, 1989 Refueling outage no. 2RE14
(If applicable)

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(1st, 2nd, 3rd, 4th, other)

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

Edition and Addenda of Section XI applicable to the inspection plan 1989 No Addenda, IWE & IWL-2004 Edition No Addenda

Date and revision of inspection plan September 2009/ Revision 5, Supplement 2

Edition and Addenda of Section XI applicable to repairs/replacement activities, if different than the inspection plan _____

Code Cases used: N-722, N-729-1

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 2RE14 conform to the requirements of Section XI.

(Refueling outage number)

Signed [Signature] Testing/Programs Engineer Date 8/02/2010
(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 Boiler & Marine Insurance Co. of Houston, Texas have inspected the items described in this Owner's Activity Report, 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 repairs/replacements activities and evaluation 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 756
National Board, State, Province, and Endorsements
Date 08/02/2010

AM/AN
8/2/10

TABLE 1

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

2RE14
April 2010

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		See Note #1	

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3	Replacement	Valve	Replaced valve	04/21/2009	2-8-041
2	Replacement	Valve	Replaced valve clamp cap screws	12/04/2008	2-8-042
3	Replacement	Pump	Replaced Seal and Bearings	01/21/2009	2-8-055
3	Replacement	Valve	Replaced valve	01/20/2009	2-8-057
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3	Replacement	Pump	Replaced Pump with Product Lubricated Pump	04/24/2010	2-9-010
3	Replacement	Seismic Supports	Modification of Seismic Supports	04/24/2010	2-9-011
3	Replacement	Pipe	Replaced partial piping spool	04/24/2009	2-9-013
3	Replacement	Valve	Replaced valve	04/22/2009	2-9-014
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3	Replacement	Valve	Replaced damage Valve parts/ Machined Valve Body	07/02/2009	2-9-017 R-1
3	Replacement	Pump	Replaced gland seals and plates	07/10/2009	2-9-018
2	Replacement	Valve	Replaced Pilot Poppet	04/16/2010	2-9-027
2	Replacement	Valve	Replaced Pilot Poppet	04/13/2010	2-9-028
2	Replacement	Valve	Replaced Pilot Poppet	04/15/2010	2-9-029
1	Replacement	Pump	Replaced Seal Housing bolts	09/22/2009	2-9-030
2	Replacement	Valve	Replaced Valve Plug , Seat Ring and Bonnet Seal Ring	04/23/2010	2-9-033
2	Replacement	Gaskets/Fasteners	Replaced inner & outer HX gaskets, Bonnet Flange fastener, inlet & outlet Fasteners and gaskets	04/09/2010	2-9-037
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1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/22/2010	2-9-047
1	Replacement	Valve	Replaced Valve	04/12/2010	2-9-048
1	Replacement	Valve	Replaced Seals	04/26/2009	2-9-053
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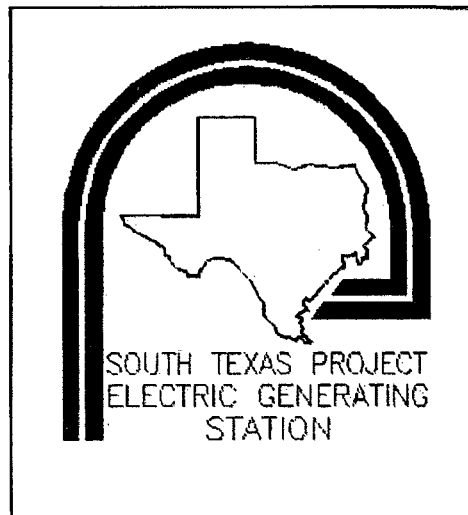
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 6/2/10

**SUMMARY REPORT
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INSERVICE INSPECTION
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STP NUCLEAR OPERATING COMPANY

April 2010

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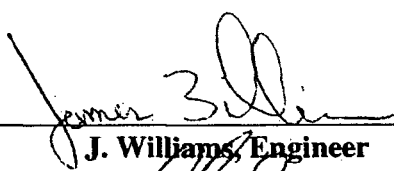
WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-499

OPERATING LICENSE NO: NPF-80

COMMERCIAL OPERATION DATE: JUNE 19, 1989

Prepared by: _____


J. Williams, Engineer

Reviewed by: _____


L. Spiess, Supervising Engineer

AM
6/2/89

SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, SYSTEM PRESSURE TESTS AND WELD INSPECTION PROGRAMS (IWB, IWC, IWD, IWL)

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 2, second ten-year interval (10/19/2000-10/18/2010), third period (10/19/2007-10/18/2010). 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-532-4.

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.

The ASME Code Class CC components were examined as prescribed by Table IWL-2500-1; ASME 2004 Edition No addenda subsection IWL. 20th Year examinations were completed under Surveillance ST: 88000349, (OPSP09-TD-001 Containment Tendon Test/End Anchorage and Adjustment Concrete Inspection.)

AN/AN
6/2/10

FORM OAR-1 OWNER'S ACTIVITY REPORT (Code Case N-532-4)

Report Number OAR-2RE14

Plant South Texas Project Electric Generating Station

Unit No. 2 Commercial service date JUNE 19, 1989 Refueling outage no. 2RE14
(If applicable)

Current inspection interval IWB, IWC, IWD, IWF - 2nd; IWE - 2nd, IWL - 20th Year
(1st, 2nd, 3rd, 4th, other)

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

Edition and Addenda of Section XI applicable to the inspection plan 1989 No Addenda, IWE & IWL-2004 Edition No Addenda

Date and revision of inspection plan September 2009/ Revision 5, Supplement 2

Edition and Addenda of Section XI applicable to repairs/replacement activities, if different than the inspection plan _____

Code Cases used: N-722, N-729-1

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 2RE14 conform to the requirements of Section XI.

(Refueling outage number)

Signed [Signature] Testing/Programs Engineer Date 8/02/2010
(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 Boiler & Marine Insurance Co. of Houston, Texas have inspected the items described in this Owner's Activity Report, 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 repairs/replacements activities and evaluation 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 R. NIEMANN

Commissions TX-756

National Board, State, Province, and Endorsements

Date 08/02/2010

AM/AB
8/2/10

TABLE 1

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

2RE14
April 2010

Examination Category	Items Number	Item Description	Evaluation description
		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 2RE14.

MAH
6/2/10

TABLE 2
ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE
2RE14
April 2010

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
3	Replacement	Valve	Replaced valve	01/20/2009	2-8-022
3	Replacement	Valve	Replaced valve	04/21/2009	2-8-041
2	Replacement	Valve	Replaced valve clamp cap screws	12/04/2008	2-8-042
3	Replacement	Pump	Replaced Seal and Bearings	01/21/2009	2-8-055
3	Replacement	Valve	Replaced valve	01/20/2009	2-8-057
3	Repair	Valve	Machined Check Valve Plates	11/13/2009	2-8-060
3	Replacement	Strainer	Replace Cover bolting	01/22/2009	2-9-004
3	Replacement	Flange	Replaced flange	04/24/2009	2-9-005
3	Replacement	Valve	Replaced Hinge Pin Bushings & Stop Pin Bushings	06/15/2009	2-9-007
3	Replacement	Flange	Replaced Blind Flange	04/24/2009	2-9-009
3	Replacement	Pump	Replaced Pump with Product Lubricated Pump	04/24/2010	2-9-010
3	Replacement	Seismic Supports	Modification of Seismic Supports	04/24/2010	2-9-011
3	Replacement	Pipe	Replaced partial piping spool	04/24/2009	2-9-013
3	Replacement	Valve	Replaced valve	04/22/2009	2-9-014
2	Repair	Door Seal	Repair seal with Helicoil repair	09/20/2009	2-9-015
2	Repair	Door Seal	Repair seal with Helicoil repair	07/09/2009	2-9-016
3	Replacement	Valve	Replaced damage Valve parts/ Machined Valve Body	07/02/2009	2-9-017 R-1
3	Replacement	Pump	Replaced gland seals and plates	07/10/2009	2-9-018
2	Replacement	Valve	Replaced Pilot Poppet	04/16/2010	2-9-027
2	Replacement	Valve	Replaced Pilot Poppet	04/13/2010	2-9-028
2	Replacement	Valve	Replaced Pilot Poppet	04/15/2010	2-9-029
1	Replacement	Pump	Replaced Seal Housing bolts	09/22/2009	2-9-030
2	Replacement	Valve	Replaced Valve Plug , Seat Ring and Bonnet Seal Ring	04/23/2010	2-9-033
2	Replacement	Gaskets/Fasteners	Replaced inner & outer HX gaskets, Bonnet Flange fastener, inlet & outlet Fasteners and gaskets	04/09/2010	2-9-037
3	Replacement	Pump	Replaced leaking drain plug	12/07/2009	2-9-038
1	Replacement	Spring Can	Replaced Spring Can RC-2123-SH0002	04/22/2010	2-9-039
1	Repair	Spring Can	Weld Build Up of Can housing and indicator	04/17/2010	2-9-041
2	Replacement	Valve	Replaced code parts during valve internals inspection	04/13/2010	2-9-043

AMM
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6/2/10

TABLE 2
ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE
2RE14
April 2010

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
1	Repair	Valve	Seal Weld Repair	04/15/2010	2-9-044
1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/24/2010	2-9-045
1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/24/2010	2-9-046
1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/22/2010	2-9-047
1	Replacement	Valve	Replaced Valve	04/12/2010	2-9-048
1	Replacement	Valve	Replaced Seals	04/26/2009	2-9-053
2	Replacement	Pump	Replaced Seal Glands	02/24/2010	2-9-054
2	Replacement	Valve	Replaced Valve Disc	04/20/2010	2-9-055
2	Replacement	Pump	Replaced Inboard & Outboard Seals	03/04/2010	2-9-057
3	Repair	Pipe	Repair ECW 30" pipe	12/25/2009	2-9-059
2	Replacement	Valve	Replaced Valve	04/10/2010	2-10-002
1	Replacement	Strut Support	Replaced Rigid Sway Strut RC-2002-HL5004	04/13/2010	2-10-003
1	Replacement	Strut Support	Replaced Rigid Sway Strut RC	04/13/2010	2-10-004
3	Replacement	Valve	Replaced PSV with new tested PSV	02/02/2010	2-10-005
3	Replacement	Pump	Replaced Upper Bearing oil cooler & Motor Air Coolers	04/22/2010	2-10-006
1	Replacement	Pump	Replaced #1 Seal Housing Bolting/ #2C RCP	04/07/2010	2-10-008
1	Replacement	RRVH	Install CETNA Housing Nozzles 75,76,77 & 78	04/20/2010	2-10-009
1	Replacement	RRVH	Harvesting of code materials from old RVH for installation on RRVH	04/23/2010	2-10-011
1	Replacement	RRVH	Traveler with admin work order to document replacement of Unit-2 Reactor Closure Head & Appurtenances	04/23/2010	2-10-012
1	Replacement	RRVH	Remove and store ORVH ASME Code Nameplate	04/26/2010	2-10-013 R-1
1	Replacement	RRVH	Harvesting fo previously installed CENTA Compression Collars for use during CENTA reassembly on RRVH in 2RE14	04/29/2010	2-10-014
1	Replacement	RRVH	Installation of RRVH CETNA Seal Assemblies	04/24/2010	2-10-015

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6/2/10

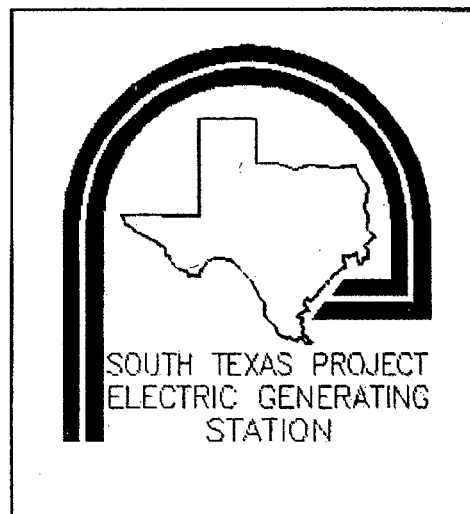
TABLE 2 +
 ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
 REQUIRED FOR CONTINUED SERVICE
 2RE14
 April 2010

Attachment
 NOC-AE-10002585
 Page 8 of 8

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
1	Replacement	RRVH	Install new design IDD Housing Seal Plug & Nut assembly	04/25/2010	2-10-016
1	Replacement	Snubber	Replaced Mech Snubber	04/13/2010	2-10-021
2	Replacement	Valve	Replaced Valve	04/22/2010	2-10-022
2	Replacement	Valve	Replaced lower body thread plug and seal welded plug	04/25/2010	2-10-027

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**SUMMARY REPORT
for the
2RE14
INSERVICE INSPECTION
of
UNIT 2
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION**



STP NUCLEAR OPERATING COMPANY

April 2010

COVER SHEET

2RE14 INSERVICE INSPECTION SUMMARY REPORT

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 2

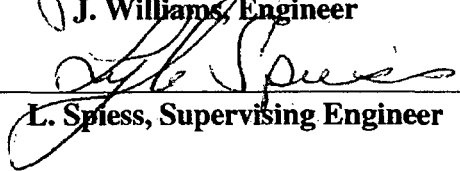
**P.O. BOX 289
WADSWORTH, TEXAS 77483**

USNRC DOCKET NO: 50-499

OPERATING LICENSE NO: NPF-80

COMMERCIAL OPERATION DATE: JUNE 19, 1989

Prepared by: 
J. Williams, Engineer

Reviewed by: 
L. Spiess, Supervising Engineer

Handwritten initials and date:
ANN
6/2/89

SCOPE

COMPONENT SUPPORTS, REPAIR AND REPLACEMENT, SYSTEM PRESSURE TESTS AND WELD INSPECTION PROGRAMS (IWB, IWC, IWD, IWL)

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 2, second ten-year interval (10/19/2000-10/18/2010), third period (10/19/2007-10/18/2010). 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-532-4.

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.

The ASME Code Class CC components were examined as prescribed by Table IWL-2500-1; ASME 2004 Edition No addenda subsection IWL. 20th Year examinations were completed under Surveillance ST: 88000349, (OPSP09-TD-001 Containment Tendon Test/End Anchorage and Adjustment Concrete Inspection.)

AN
6/2/10

FORM OAR-1 OWNER'S ACTIVITY REPORT (Code Case N-532-4)

Report Number OAR-2RE14

Plant South Texas Project Electric Generating Station

Unit No. 2 Commercial service date JUNE 19, 1989 Refueling outage no. 2RE14
(If applicable)

Current inspection interval IWB, IWC, IWD, IWF - 2nd; IWE - 2nd, IWL-20th Year
(1st, 2nd, 3rd, 4th, other)

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

Edition and Addenda of Section XI applicable to the inspection plan 1989 No Addenda, IWE & IWL-2004 Edition No Addenda

Date and revision of inspection plan September 2009/ Revision 5, Supplement 2

Edition and Addenda of Section XI applicable to repairs/replacement activities, if different than the inspection plan _____

Code Cases used: N-722, N-729-1

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 2RE14 conform to the requirements of Section XI.

(Refueling outage number)

Signed [Signature] Testing/Programs Engineer Date 8/02/2010
(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 Boiler & Marine Insurance Co. of Houston, Texas have inspected the items described in this Owner's Activity Report, 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 repairs/replacements activities and evaluation 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 R. NIEDMAN

Commissions TX-756

National Board, State, Province, and Endorsements

Date 08/02/2010

AN/1
8/2/10

TABLE 1

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

2RE14
April 2010

Examination Category	Items Number	Item Description	Evaluation description
		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 2RE14.

OK
6/2/10

TABLE 2

ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE

2RE14
April 2010

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
3	Replacement	Valve	Replaced valve	01/20/2009	2-8-022
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3	Replacement	Pump	Replaced Seal and Bearings	01/21/2009	2-8-055
3	Replacement	Valve	Replaced valve	01/20/2009	2-8-057
3	Repair	Valve	Machined Check Valve Plates	11/13/2009	2-8-060
3	Replacement	Strainer	Replace Cover bolting	01/22/2009	2-9-004
3	Replacement	Flange	Replaced flange	04/24/2009	2-9-005
3	Replacement	Valve	Replaced Hinge Pin Bushings & Stop Pin Bushings	06/15/2009	2-9-007
3	Replacement	Flange	Replaced Blind Flange	04/24/2009	2-9-009
3	Replacement	Pump	Replaced Pump with Product Lubricated Pump	04/24/2010	2-9-010
3	Replacement	Seismic Supports	Modification of Seismic Supports	04/24/2010	2-9-011
3	Replacement	Pipe	Replaced partial piping spool	04/24/2009	2-9-013
3	Replacement	Valve	Replaced valve	04/22/2009	2-9-014
2	Repair	Door Seal	Repair seal with Helicoil repair	09/20/2009	2-9-015
2	Repair	Door Seal	Repair seal with Helicoil repair	07/09/2009	2-9-016
3	Replacement	Valve	Replaced damage Valve parts/ Machined Valve Body	07/02/2009	2-9-017 R-1
3	Replacement	Pump	Replaced gland seals and plates	07/10/2009	2-9-018
2	Replacement	Valve	Replaced Pilot Poppet	04/16/2010	2-9-027
2	Replacement	Valve	Replaced Pilot Poppet	04/13/2010	2-9-028
2	Replacement	Valve	Replaced Pilot Poppet	04/15/2010	2-9-029
1	Replacement	Pump	Replaced Seal Housing bolts	09/22/2009	2-9-030
2	Replacement	Valve	Replaced Valve Plug , Seat Ring and Bonnet Seal Ring	04/23/2010	2-9-033
2	Replacement	Gaskets/Fasteners	Replaced inner & outer HX gaskets, Bonnet Flange fastener, inlet & outlet Fasteners and gaskets	04/09/2010	2-9-037
3	Replacement	Pump	Replaced leaking drain plug	12/07/2009	2-9-038
1	Replacement	Spring Can	Replaced Spring Can RC-2123-SH0002	04/22/2010	2-9-039
1	Repair	Spring Can	Weld Build Up of Can housing and indicator	04/17/2010	2-9-041
2	Replacement	Valve	Replaced code parts during valve internals inspection	04/13/2010	2-9-043

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6/2/10

TABLE 2
ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE
2RE14
April 2010

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1	Replacement	Valve	Replaced PSV with rebuilt tested PSV	04/22/2010	2-9-047
1	Replacement	Valve	Replaced Valve	04/12/2010	2-9-048
1	Replacement	Valve	Replaced Seals	04/26/2009	2-9-053
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3	Repair	Pipe	Repair ECW 30" pipe	12/25/2009	2-9-059
2	Replacement	Valve	Replaced Valve	04/10/2010	2-10-002
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3	Replacement	Pump	Replaced Upper Bearing oil cooler & Motor Air Coolers	04/22/2010	2-10-006
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1	Replacement	RRVH	Harvesting of code materials from old RVH for installation on RRVH	04/23/2010	2-10-011
1	Replacement	RRVH	Traveler with admin work order to document replacement of Unit-2 Reactor Closure Head & Appurtenances	04/23/2010	2-10-012
1	Replacement	RRVH	Remove and store ORVH ASME Code Nameplate	04/26/2010	2-10-013 R-1
1	Replacement	RRVH	Harvesting fo previously installed CENTA Compression Collars for use during CENTA reassembly on RRVH in 2RE14	04/29/2010	2-10-014
1	Replacement	RRVH	Installation of RRVH CETNA Seal Assemblies	04/24/2010	2-10-015

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TABLE 2 ■
 ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
 REQUIRED FOR CONTINUED SERVICE
 2RE14
 April 2010

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 Page 8 of 8

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
1	Replacement	RRVH	Install new design IDD Housing Seal Plug & Nut assembly	04/25/2010	2-10-016
1	Replacement	Snubber	Replaced Mech Snubber	04/13/2010	2-10-021
2	Replacement	Valve	Replaced Valve	04/22/2010	2-10-022
2	Replacement	Valve	Replaced lower body thread plug and seal welded plug	04/25/2010	2-10-027

*APR 11
 6/2/10*