



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

July 25, 2018
NOC-AE-18003587
10 CFR 50.55a

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

South Texas Project
Unit 2
Docket No. STN 50-499
Inservice Inspection Summary Report – 2RE19

Attached is the South Texas Project Electric Generating Station Unit 2 summary report for inservice inspections performed prior to and during scheduled refueling outage 2RE19 completed in April 2018. This summary report satisfies the reporting requirements of American Society of Mechanical Engineers ASME Code Section XI, Article IWA-6230.

There are no commitments in this letter.

If there are any questions regarding this report, please contact Wendy Brost at (361) 972-8516 or me at (361) 972-4414.

A handwritten signature in black ink, appearing to read "M. C. Page".

For Michael Page NOC/NOC 18032470
STI 34699509

Michael C. Page
General Manager, Engineering

nb

Attachment: Summary Report for the 2RE19 Inservice Inspection of Unit 2 South Texas Project Electric Generating Station

STI: 34700018

cc:
(paper copy)

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SUMMARY REPORT
for the
2RE19
INSERVICE INSPECTION
of
UNIT 2
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION



STP NUCLEAR OPERATING COMPANY

March 24, 2018 – April 27, 2018

COVER SHEET

2RE19 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:  Date July 17, 2018
Eric Lantz, ISI Program Engineer

Reviewed by:  Date July 17, 2018
Craig Younger, Supervisor Engineering Testing/Programs

SCOPE

COMPONENT SUPPORTS (IWF), STEAM GENERATOR TUBING INSPECTION, REPAIR AND REPLACEMENT, AND WELD INSPECTION PROGRAMS (IWB, IWC, IWD)

The examinations summarized in this report were performed in accordance with the 2004 Edition of the ASME Code, Section XI that is applicable to the South Texas Project, Unit 2, third ten-year interval (10/19/2010-10/18/2020), third period (12/20/2017-10/18/2020). This report covers selected ASME Code Class 1, 2, and 3 Systems/Components and 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 and IWF-2410, component supports.

ASME Code Class 1 components were examined as prescribed by Table IWB-2500-1 and the applicable Examination Categories, which establish the examination method and frequency. Likewise, the ASME Code Class 2, 3, and Component Supports were examined in accordance with Tables IWC-2500-1, IWD-2500-1, and IWF-2500-1, respectively.

The Containment Metal Liner examinations summarized in this report were performed in accordance with the 2004 Edition of the ASME Code, Section XI, which is applicable to the South Texas Project, Unit 2, second ten-year interval (09/09/2009-09/08/2019), third period (09/09/2016-09/08/2019). This report covers selected ASME Code Class CC liner & MC Components.

The Containment Tendon Test / End Anchorage and Adjacent Concrete Inspection was performed in accordance with the 2004 Edition of the ASME Code, Section XI, Subsection IWL as supplemented and modified by 10CFR50.55a(b)(2)(viii).

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, and applicable Examination Categories.

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

Report Number OAR-2RE19

Plant South Texas Project Electric Generating Station

Unit No. 2 Commercial service date June 19, 1989 Refueling outage no. 2RE19
(If applicable)

Current inspection interval IWB, IWC, IWD, IWF - 3rd ; IWE - 2nd ; IWL - 30th Year
(1st, 2nd, 3rd, 4th, other)

Current inspection period IWB, IWC, IWD, IWF - 3rd ; IWE - 3rd ; IWL - 30th Year
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plan 2004

Date and revision of inspection plan February 27, 2018 / Revision 8.

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

Code Cases used: N-532-4, N578-1, N-722-1, N-770-2

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 2RE19 conform to the requirements of Section XI.
(Refueling outage number)

Signed Euro Lutz ISI Program Engineer
(Owner or Owner's Designee, Title)

Date July 17th, 2018

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 in 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.

[Signature]
Inspector's Signature

Commissions

TEX-756

National Board, State, Province, and Endorsements

Date JULY 17, 2018

TABLE 1

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE2RE19
3/24/18 – 4/27/18

Examination Category	Item Number	Item Description	Evaluation Description
N/A	N/A	N/A	N/A

NOTES:

1. No items with flaws or relevant conditions that required evaluation for continued service were found during 2RE19.

TABLE 2

ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE

2RE19

3/24/18 – 4/27/18

CODE CLASS	CORRECTIVE MEASURE	ITEM DESCRIPTION	SYSTEM	DESCRIPTION OF WORK	DATE COMPLETED	REPAIR/REPLACEMENT PLAN NUMBER
2	REPLACEMENT	VALVE	COMPONENT COOLING	REPLACED 14" CC valve 2R202TCC0058	4/12/2018	2-16-008
3	REPLACEMENT	VALVE	ESSENTIAL COOLING WATER	REPLACED 30" EW VALVE 3R282TEW0079 FOR PREVENTATIVE MAINTENANCE	11/29/2016	2-16-022
3	REPAIR	VALVE	ESSENTIAL COOLING WATER	REPAIR OF EW VALVE 3R282TEW0079 BY PERFORMING SURFACE MACHINING DURING PREVENTATIVE MAINTENANCE ACTIVITY	12/12/2016	2-16-023
3	REPAIR	ECW STRAINER	ESSENTIAL COOLING WATER	REPAIR OF ECW STRAINER 3R282NSP201C EW DRUM AND REPLACING INNER RING FASTENERS	12/5/2016	2-16-027
3	REPLACEMENT	VALVE	COMPONENT COOLING	REPLACED EXISTING FLANGE STUD BOLTS AND NUTS FOR VALVE 3R202TCC0014 RHR HEAT EXCHANGER 2A CCW SUPPLY VALVE	6/27/2017	2-17-004
1	REPLACEMENT	RCP SEAL PACKAGE	REACTOR COOLANT	REPLACED REACTOR COOLANT PUMP 2B SEAL PACKAGE	4/15/2018	2-17-006
3	REPLACEMENT	PIPE	ESSENTIAL COOLING WATER	REPLACED ALUMINUM BRONZE EW PIPING (2"/3"/4" & VALVES) WITH STAINLESS STEEL (UNS N08367)	10/27/2017	2-17-007
3	REPLACEMENT	VALVE	AUXILIARY FEEDWATER	REPLACED 4" AF VALVE PARTS ON 3S142TAF0091 TRAIN C AUTO RECIRC VALVE	3/20/2018	2-17-008

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**ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE**

2RE19

3/24/18 – 4/27/18

CODE CLASS	CORRECTIVE MEASURE	ITEM DESCRIPTION	SYSTEM	DESCRIPTION OF WORK	DATE COMPLETED	REPAIR/REPLACEMENT PLAN NUMBER
3	REPLACEMENT	VALVE	AUXILIARY FEEDWATER	REPLACED 1 1/2" AF FLANGE CONNECTION SPOOL (AF-2030-A-A01) TO VALVE	3/20/2018	2-17-009
3	REPLACEMENT	PIPE	ESSENTIAL COOLING WATER	REPLACED PIPING LINE NO'S 2"/3"EW-2113WT3 & 2"/3"/4"EW-2114WT3 AND 2" VALVES 2-EW-0028 & 0031	12/14/2017	2-17-015
2	REPAIR	INSPECTION PORT	STEAM GENERATORS	REMOVED/REINSTALLED DIAPHRAGMS FOR 4" INSPECTION PORTS TO SUPPORT TUBE SUPPORT PLATE INSPECTIONS	4/11/2018	2-17-027
3	REPLACEMENT	VALVE	ESSENTIAL COOLING WATER	REPLACED 30" EW CHECK VALVE 3R282TEW0006 INTERNALS	1/29/2018	2-17-033
3	REPLACEMENT	VALVE	ESSENTIAL COOLING WATER	REPLACED 30" EW CHECK VALVE 3R282TEW0006	12/13/2017	2-17-034
3	REPLACEMENT	PIPE	ESSENTIAL COOLING WATER	REPLACED EW NOZZELS PIPE STUBS B-TRAIN AT 3V102VAH002	10/27/2017	2-17-035
2	REPLACEMENT	VALVE	AUXILIARY FEEDWATER	REPLACED 4" AF VALVE 2S142TMS0143 DISK AND RETAINER GASKET	4/11/2018	2-17-036
3	REPLACEMENT	PIPE	ESSENTIAL COOLING WATER	REPLACED EW NOZZELS PIPE STUBS AT 3V102VAH001	12/14/2017	2-17-038

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REQUIRED FOR CONTINUED SERVICE

2RE19

3/24/18 – 4/27/18

CODE CLASS	CORRECTIVE MEASURE	ITEM DESCRIPTION	SYSTEM	DESCRIPTION OF WORK	DATE COMPLETED	REPAIR/REPLACEMENT PLAN NUMBER
1	REPLACEMENT	VALVE	REACTOR COOLANT	REPLACED 6" PRESSURIZER SAFETY VALVE N2RCPSV3450	4/7/2018	2-18-005
1	REPLACEMENT	VALVE	REACTOR COOLANT	REPLACED 6" PRESSURIZER SAFETY VALVE N2RCPSV3451	4/19/2018	2-18-006
1	REPLACEMENT	VALVE	REACTOR COOLANT	REPLACED 6" PRESSURIZER SAFETY VALVE N2RCPSV3452	4/19/2018	2-18-007
3	REPLACEMENT	VALVE	AUXILIARY FEEDWATER	REPLACED 4" AF 3S142TAF0091 VALVE PARTS	3/20/2018	2-18-009
1	REPLACEMENT	SNUBBER	SAFETY INJECTION	REPLACED SNUBBER SI2308HL5001 FOR TRAIN C HIGH HEAD SAFETY INJECTION PUMP	4/5/2018	2-18-010
1	REPLACEMENT	VALVE	REACTOR COOLANT	REPLACED 1" VALVE B2RCHV3657B	4/17/2018	2-18-011