



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

February 16, 2010
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File No: G25, T07.03
10 CFR 50.55a

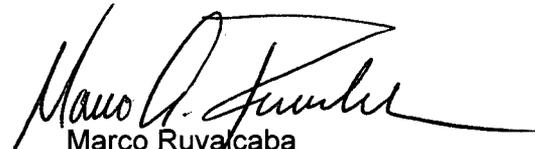
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

South Texas Project
Unit 1
Docket No. STN 50-498
Inservice Inspection Summary Report – 1RE15

Attached are four copies of the South Texas Project Unit 1 summary report for inservice inspections performed prior to and during refueling outage 1RE15 completed in November, 2009. 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 Ruvalcaba
Manager,
Testing/Programs

Attachment: Summary Report for 1RE15 Inservice Inspection of Unit 1 South Texas Project Electric Generating Station (4 copies)

STI No: 32614561

AO47
NLR

cc:
(paper copy *)

Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
612 East Lamar Blvd, Suite 400
Arlington, Texas 76011-4125

Mohan C. Thadani
Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North (MS 8B1A)
11555 Rockville Pike
Rockville, MD 20852

Senior Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 289, Mail Code: MN116
Wadsworth, TX 77483

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

(electronic copy)

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

Mohan C. Thadani
U. S. Nuclear Regulatory Commission

Kevin Howell
Catherine Callaway
Jim von Suskil
NRG South Texas LP

Ed Alarcon
J. J. Nestrsta
R. K. Temple
Kevin Pollo
City Public Service

Jon C. Wood
Cox Smith Matthews

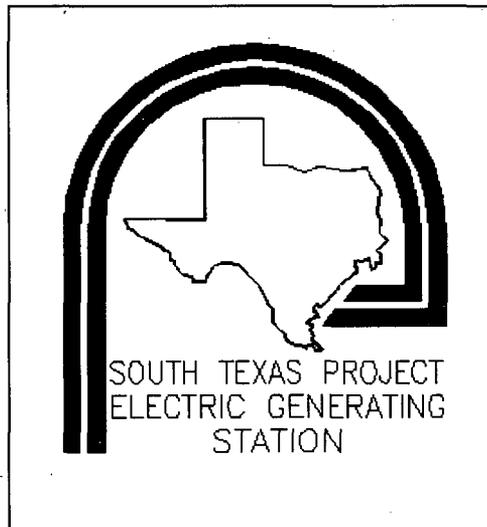
C. Mele
City of Austin

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
1RE15
INSERVICE INSPECTION
of
UNIT 1
SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION**



STP NUCLEAR OPERATING COMPANY

February 2010

COVER SHEET

1RE15 INSERVICE INSPECTION SUMMARY REPORT

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1

P.O. BOX 289

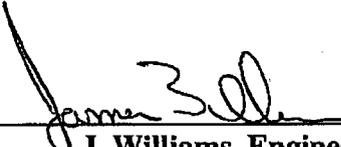
WADSWORTH, TEXAS 77483

USNRC DOCKET NO: 50-498

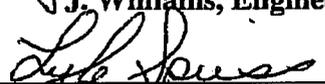
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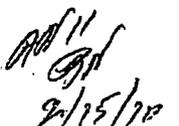
COMMERCIAL OPERATION DATE: AUGUST 25, 1988

Prepared by: _____


J. Williams, Engineer

Reviewed by: _____


C. Spiess, Supervising Engineer


2/15/70

SCOPE

COMPONENT SUPPORTS, CONCRETE CONTAINMENT, REPAIR AND REPLACEMENT, SYSTEM PRESSURE TESTS AND WELD INSPECTION PROGRAMS (IWB, IWC, IWD, IWF, 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 1, second ten-year interval (9/25/2000-9/24/2010), third period (9/25/2007-9/24/2010). 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: 8600148, 0PSP09-TD-001 Containment Tendon Test/End Anchorage and Adjustment Concrete Inspection.

ADW
2/16/10

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

Report Number OAR-IRE15

Plant South Texas Project Electric Generating Station

Unit No. 1 Commercial service date August 25, 1988 Refueling outage no. IRE15
(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 1

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

Code Cases used:

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 IRE15 conform to the requirements of Section XI.
(Refueling outage number)

Signed *James Williams* Date 16 FEB 10
(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 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] Commissions *TX-756*
Inspector's Signature National Board, State, Province, and Endorsements

Date 02/16/2010

TABLE 1

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

1RE15
November 2009

Examination Category	Items Number	Item Description	Evaluation description
B-O	B14.20	57 CRDM latch Housing-to-Rod Travel Housing Weld radiography results for the Unit One RRVH did not comply with ASME Section III Div, 1 and Section V of the code.	CR#09-13471 Welds were radiographed to meet the requirement of ASME Sec.III Div. 1 and Section V of the code.
B-O	B14.20	2 RVLS Latch Housing-to Upper Probe Housing radiography results for the Unit One RRVH did not comply with ASME Section III Div, 1 and Section V of the code.	CR#09-13471 Welds were radiographed to meet the requirement of ASME Sec.III Div. 1 and Section V of the code.

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 RE15.

TABLE 2
 ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
 REQUIRED FOR CONTINUED SERVICE
 1RE15
 November 2009

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
3	Replacement	Valve	Replaced Valve	06/04/08	1-4-054
3	Replacement	Pipe	Replaced Pipe, Tee and Reducing Coupling	05/13/08	1-7-006
3	Replacement	1A ECW Pump	Replaced Studs	06/07/08	1-7-010
3	Repair	Pipe Support	Repaired U-Strap	06/07/08	1-7-012
2	Repair	Pump	Modify Spare Mech. Seal Gland Plates	08/07/08	1-8-010
3	Replacement	Valve	Replaced Valve	05/13/08	1-8-011
3	Replacement	Valve	Replaced Valve Disc	05/13/08	1-8-012
3	Replacement	Valve	Replaced Valve	05/20/08	1-8-013
3	Repair	1C EW Pump Vent Piping	Repaired 1-1-2" Piping and Tee	05/20/08	1-8-014
3	Repair	1A EW Pump Vent Piping	Repaired 1-1-2" Piping and Tee	06/08/08	1-8-017
3	Replacement	Valve	Replaced Plug and studs	09/23/08	1-8-039
2	Replacement	Valve	Replaced Disc holder	10/30/08	1-8-040
2	Replacement	Valve	Replaced Disc holder	10/02/09	1-8-041
2	Repair	MS Outlet 1C PORV	Weld repair to Pipe Plug	05/09/08	1-8-042
2	Repair	Pipe	Weld repair to 1/2" Pipe Plug	06/26/08	1-8-044
2	Replacement	Pump 1B CCP	Replaced Gland Plates	08/01/08	1-8-045
2	Repair	Pump 1B CCP	Repair Outboard/Inboard Gland Plate	03/02/09	1-8-047
3	Repair	Gland Plate Spare	Machining of Spare gland plate for upgrade	02/16/09	1-9-002
2	Replacement	Pump 1A CCP	Replaced Gland Plates	02/28/09	1-9-003
2	Replacement	Valve	Replaced Pilot Poppet/Studs	10/24/09	1-9-004
2	Replacement	Valve	Replaced Valve Clamps	06/25/09	1-9-007
2	Replacement	Valve	Replaced Valve Clamps	07/31/09	1-9-010
2	Replacement	Pump 1A CCP	Replaced Gland Plates	06/30/09	1-9-012
2	Replacement	Valve	Replaced Valve Disc	10/23/09	1-9-015
2	Replacement	Valve	Replaced Valve	10/14/09	1-9-016
2	Replacement	Valve	Replaced Pilot Poppet	10/15/09	1-9-017

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TABLE 2
 ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
 REQUIRED FOR CONTINUED SERVICE
 1RE15
 November 2009

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
2	Replacement	Valve	Replaced Pilot Poppet/Stud	10/23/09	1-9-018
2	Replacement	Valve	Replaced Pilot Poppet/Stud	10/19/09	1-9-019
2	Repair	Valve	Repair Seal Weld	04/01/09	1-9-020
2	Replacement	Valve	Replaced Valve Plug	10/17/09	1-9-028
2	Replacement	Studs/Nuts	Replacement	10/23/09	1-9-029
2	Replacement	Bonnet Flange Bolting	Threaded Studs	10/22/09	1-9-030
1	Replacement	Valve Stem Assembly	Replaced Bonnet Studs/Nut	10/22/09	1-9-032
1	Replacement	Valve	Replaced valve	11/09/09	1-9-034
1	Replacement	Valve	Replaced valve	11/06/09	1-9-035
1	Replacement	Valve	Replaced valve	11/07/09	1-9-036
3	Replacement	Valve	Replaced valve	10/24/09	1-9-039
3	Replacement	Valve	Replaced Disc plate	05/06/09	1-9-042
1	Replacement	RCP 1C Seal Set	Replaced Seal Set	11/12/09	1-9-043
3	Replacement	RCP Motor	Replaced Subcomponent Coolers	11/06/09	1-9-044
1	Repair	Valve	Weld Repair	10/12/09	1-9-045
1	Repair	Valve	Weld Repair	10/13/09	1-9-046
2	Replacement	Spring Can	Replaced Spring/ Plate Retainer	10/27/09	1-9-047
1	Replacement	Valve	Replaced ASME Plate, Spring and Bearing body/Plate	11/28/09	1-9-050
2	Replacement	Valve	Replaced Valve	08/06/09	1-9-051
2	Replacement	Valve	Replaced Studs/Nuts	10/21/09	1-9-052
3	Replacement	Check Valve	Replaced Plate/Spring	10/09/09	1-9-054
1	Replacement	RRVH	Replaced CETNA Housing	10/31/09	1-9-056
1	Repair	ORVH	Remove Code Plate from ORVH	10/22/09	1-9-057
1	Replacement	RRVH	Replaced IDD Seal Plug	11/10/09	1-9-058

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TABLE 2
 ABSTRACT OF REPAIRS/REPLACEMENT ACTIVITIES
 REQUIRED FOR CONTINUED SERVICE
 1RE15
 November 2009

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Date completed	Repair/Replacement Plan Number
1	Replacement	RRVH	Replaced CENTA Seal Assemblies	11-10-09	1-9-059
1	Replacement	RRVH	Replaced CENTA Compression Collars	11-15-09	1-9-060
1	Replacement	RRVH	Harvesting of code material from ORVH to RRVH	11/08/09	1-9-061
3	Replacement	CVCS Letdown Filter	Replaced Bonnet Assembly	10/13/09	1-9-062
1	Corrective Measure	RRVH	Radiography of Latch Housing Weld to Travel Housing	10/06/09	1-9-063
3	Replacement	Valve	Replaced Bonnet Seal	10/20/09	1-9-064
3	Repair	Valve	Repair Bonnet Seal Weld	10/20/09	1-9-065
2	Replacement	Snubber	Replaced Snubber	10/20/09	1-9-070
2	Replacement	Snubber	Replaced Snubber	10/21/09	1-9-071
2	Replacement	Valve	Replaced Bonnet studs and nuts	10/29/09	1-9-073
1	Repair	Lift Rod	Repair Lift Rods	10/30/09	1-9-074

*AN
 2/16/10*