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John P Jarrell III  
Manager, Regulatory Assurance  
Waterford 3

W3F1-2016-0017

March 15, 2016

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Submittal of Owner's Activity Report Form for Inservice  
Inspection Performed During Operating Cycle 20 / Refuel 20  
Waterford Steam Electric Station, Unit 3  
Docket No. 50-382  
License No. NPF-38

Dear Sir or Madam:

Attached is the subject report which covers the Owner's Activity Report Form, OAR-1, for Waterford 3 Operating Cycle 20 / Refuel 20, enclosed as Attachment 1. This report is being submitted in accordance with ASME Code Case N-532-5, "Repair/Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission," which was adopted for use at Waterford 3 commencing its incorporation into Regulatory Guide 1.147 and subsequent revision to CEP-RR-001 "ASME Section XI Repair/Replacement Program" on March 24, 2015.

The OAR-1 form is prepared and certified upon completion of each refueling outage and submitted within 90 calendar days of the completion of the refueling outage. This OAR-1 form provides: (1) a listing of items with flaws or relevant conditions that exceeded the acceptance criteria of Division 1 and that required evaluation to determine acceptability for continued service and (2) an abstract for repair/replacement activities that were required due to an item containing a flaw or relevant condition that exceeded Division 1 acceptance criteria. A copy of this letter and the attached report is also being submitted to the office of the Louisiana State Fire Marshall.

There are no new commitments contained in this submittal.

Please contact John P. Jarrell, Regulatory Assurance Manager, at (504) 739-6685 should you have any questions regarding this submittal.

Sincerely,

JPJ/LEM

Attachment: 1. Owner's Activity Report for Inservice Inspection Performed During  
Operating Cycle 20 / Refuel 20

cc: Regional Administrator RidsRgn4MailCenter@nrc.gov  
U. S. Nuclear Regulatory Commission  
Region IV  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511

NRC Senior Resident Inspector Frances.Ramirez@nrc.gov  
Waterford Steam Electric Station Unit 3 Chris.Speer@nrc.gov  
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Killona, LA 70066-0751

U. S. Nuclear Regulatory Commission April.Pulvirenti@nrc.gov  
Attn: April Pulvirenti  
Mail Stop O-07D1  
Washington, DC 20555-0001

Mr. H. "Butch" Browning, Jr.  
Office of the State Fire Marshall  
8181 Independence Blvd.  
Baton Rouge, LA 70806

**ATTACHMENT 1**

**To**

**W3F1-2016-0017**

**Owner's Activity Report for Inservice Inspection  
Performed During Operating Cycle 20 / Refuel 20**

CASES OF ASME BOILER AND PRESSURE VESSEL CODE

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number Cycle 20 / Refuel 20

Plant Waterford Steam Electric Station, 17265 River Road, Killona, La. 70057

Unit No. 3 Commercial service date 09/24/1985 Refueling outage no. 20  
(If applicable)

Current inspection interval 3rd  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, other)

Current inspection period 3rd  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)

Edition and Addenda of Section XI applicable to the inspection plans 2001 Edition, Through 2003 Addenda

Date and revision of inspection plans 2/1/2016 Revision 004 SEP-ISI-104

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans Same as above.

Code Cases used: N-532-5, N-405-1  
(If applicable)

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 Refuel 20 conform to the requirements of Section XI. (refueling outage number)

Signed [Signature] Date 3/8/16  
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 Louisiana and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut of Hartford, CT 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 repair/replacement 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 loss of any kind arising from or connected with this inspection.

[Signature] Commission LA 1658, A, N, I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-9-2016

**CASES OF ASME BOILER AND PRESSURE VESSEL CODE**

**TABLE 1  
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED  
EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category and Item Number</b>	<b>Item Description</b>	<b>Evaluation Description</b>
F-A F1.10	RCRR-0031 (Reactor Coolant Rigid Restraint)	While performing a VT-3 examination on RCRR-0031, it was determined that an e-ring was missing. The piping support was found in the proper orientation per its design requirements. The missing e-ring was evaluated and determined to not be integral to the design function of the piping support and does not affect the function of the piping support. No other relevant conditions were noted.
F-A F1.20	MSSH-0005 (Spring Hanger for Main Steam System)	While performing a VT-3 examination on MSSH-0005, it was determined that the jam nut was loose. The jam nut serves as a fastener to secure the hanger. The jam nut is not credited for exerting any force on the hanger. MSSH-0005 was found with the required pin to pin length and the pin was properly engaged on rod. The engagement of the pin would have prevented the jam nut becoming totally disengaged. Therefore, the condition found has no effect on the design function required by MSSH-0005. No other relevant conditions were noted.

**CASES OF ASME BOILER AND PRESSURE VESSEL CODE**

**TABLE 2**

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

<b>Code Class</b>	<b>Item Description</b>	<b>Description of Work</b>	<b>Date Completed</b>	<b>Repair/Replacement Plan Number</b>
3	3AC6-22B (Essential Chiller B, Hot Gas Bypass Piping)	Replace Studs & Nuts	11/14/2014	14-RR-018
3	CCRR-1190 (Component Cooling Water Rigid Restraint)	Replace Support	11/19/2015	15-RR-057 R1
2	FWRR-296 (Feed Water Rigid Restraint)	Replace Support	3/25/2015	15-RR-005
2	FWRR-297 (Feed Water Rigid Restraint)	Replace Support	11/3/2015	15-RR-050 R1
3	RFRMCLR0002 A (Essential Chiller A)	Replace Studs & Nuts	4/2/2015	15-RR-028
3	RFRMVAAA105 (Essential Chiller B Refrigerant Economizer Gas Valve)	Replace Studs & Nuts	11/13/2014	14-RR-017
3	3CC1 ½-332 (Wet Cooling Tower Basin Level Indicator Piping)	Plug Wet Cooling Tower Piping Penetration	11/26/15	15-RR-079