WOLF CREEK
NUCLEAR OPERATING CORPORATION

Cynthia R. Hafenstine
Manager Nuclear and Regulatory Affairs

August 14, 2018

RA 18-0089

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

Subject: Docket No. 50-482: Inservice Inspection Program Fourth Interval, First Period, Refueling Outage 22 Owner's Activity Report

To Whom It May Concern:

Enclosed is the Wolf Creek Nuclear Operating Corporation (WCNOC) Owner's Activity Report (Form OAR-1, Report Number WCRE-30, I4-P1-RF22) for inservice inspections performed after Wolf Creek Generating Station's (WCGS) twenty-first refueling outage (RF21) that concluded on November 21, 2016, and up to, and including, WCGS' twenty-second refueling outage (RF22) that concluded on May 18, 2018. RF22 was the second refueling outage of the first period of the fourth interval of the WCNOC Inservice Inspection Program. The enclosed report is submitted pursuant to the requirements of paragraph IWA-6240 of the 2007 Edition through 2008 Addenda of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code and ASME Code Case N-532-5.

This letter contains no commitments. If you have any questions concerning this matter, please contact me at (620) 364-4204.

Sincerely,

Cynthia R. Hafenstine

Cynthia R. Hafenstine

CRH/

Enclosure

cc: K. M. Kennedy (NRC), w/e
B. K. Singal (NRC), w/e
N. H. Taylor (NRC), w/e
Senior Resident Inspector (NRC), w/e

A047
NRR

ENCLOSURE

Wolf Creek Nuclear Operating Corporation
Inservice Inspection Program
Owner's Activity Report
(Form OAR-1, Report Number WCRE-30, I4-P1-RF22)
(3 pages)

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number WCRE-30, I4-P1-RF22

Plant Wolf Creek Generating Station, 1550 Oxen Lane Northeast, Burlington, Kansas 66839

Unit No. 1 (if applicable) Commercial service date 9-3-1985 Refueling outage no. RF-22

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

Current inspection period
1st
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2007 Edition through 2008 Addenda

Date and revision of inspection plans WCRE-30 Rev. 2, dated 2-22-2018

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans same

Code Cases used: N-532-5, N-706-1
(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 RF-22 (refueling outage number) conform to the requirements of Section XI.

Signed _____ ISI Engineer Date 8/2/2018
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 Kansas and employed by The Hartford Steam Boiler Inspection and Insurance Company 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 a loss of any kind arising from or connected with this inspection.

_____ Commissions 15482 I,N,R KS 778
Inspector's Signature National Board, State, Province, and Endorsements

Date 8/7/2018

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

Examination Category and Item Number	Item Description	Evaluation Description
D-B, D2.10	EF-007-HBC-30	Localized pipe wall thickness below the uniform design minimum wall thickness was identified in one location. An evaluation was performed for continued operation. The evaluation determined that pressure boundary structural integrity is intact and that a follow up inspection is required by September 24, 2018.
D-B, D2.10	EF-003-HBC-30	Localized pipe wall thickness below the uniform design minimum wall thickness was identified in three locations. An evaluation was performed for continued operation. The evaluation determined that pressure boundary structural integrity is intact and that a follow up inspection is required by November, 2018.

TABLE 2
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

Code Class	Item Description	Description of Work	Date Completed Note 1	Repair/Replacement Plan Number
1	EBB01A Steam Generator	Install mechanical tube plugs in four U Tubes due to eddy current results with a flaw over 40% nominal tube wall thickness	04/20/2018	2018-014
1	EBB01B Steam Generator	Install mechanical tube plugs in five U Tubes due to eddy current results with a flaw over 40% nominal tube wall thickness	07/17/2018	2017-083
1	EBB01C Steam Generator	Install mechanical tube plugs in one U Tube due to eddy current results with a flaw over 40% nominal tube wall thickness	06/20/2018	2018-013
1	EBB01D Steam Generator	Install mechanical tube plugs in nine U Tubes due to eddy current results with a flaw over 40% nominal tube wall thickness	06/20/2018	2018-015
3	SGN01B Containment Cooler	Remove leaking coil (one of twelve) from service by installing blind flanges on header inlet and outlet.	06/20/2018	2018-021

Note 1: The date completed is the date the Form NIS-2A was certified.