

WOLF CREEK

NUCLEAR OPERATING CORPORATION

Cynthia R. Hafenstine
Manager Nuclear and Regulatory Affairs

October 25, 2017

RA 17-0088

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

- Reference:
- 1) Letter ET 06-0038, dated September 27, 2006, "Application for Renewed Operating License," from T.J. Garrett, WCNOG, to USNRC
 - 2) NRC Letter, dated July 29, 2008, "Safety Evaluation Report Related to the License Renewal of Wolf Creek Generating Station, Unit 1," from B. Hollian, USNRC, to T. J. Garrett, WCNOG
 - 3) EPRI Materials Reliability Program Report 1016596: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines (MRP-227-A), December 2011
 - 4) NRC Letter, dated December 16, 2011, "Revision 1 to the Final Safety Evaluation of Electric Power Research Institute Report (EPRI) Report, Materials Reliability Program (MRP) Report 1016596 (MRP-227), Revision 0, "Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines" (TAC No. ME0680)," from R. A. Nelson, USNRC, to N. Wilmshurst, EPRI

Subject: Docket No. 50-482: Wolf Creek Generating Station Reactor Vessel Internals Aging Management Plan

To Whom It May Concern:

Reference 1 submitted a License Renewal Application (LRA) for Wolf Creek Generating Station (WCGS). The Nuclear Regulatory Commission (NRC) Safety Evaluation Report related to the License Renewal of WCGS is contained in Reference 2.

Commitment item No. 19B contained in Reference 2 requires WCNOG to:

- (1) Participate in the industry programs for investigating and managing aging effects on reactor internals;
- (2) evaluate and implement the results of the industry programs as applicable to the reactor internals; and
- (3) upon completion of these programs, but not less than 24 months before entering the period of extended operation, WCNOG will submit an inspection plan for reactor internals to the NRC for review and approval.

A121
NRR

The Enclosure to this submittal contains the Wolf Creek Reactor Vessel Internals Inspection Plan, which fulfills the requirements of commitment item 19B(3). This plan summarizes the overall WCGS Reactor Vessel Internals Aging Management Program.

The Wolf Creek Vessels Internals Inspection Plan identifies the reactor vessel internals components to be included for aging management review and identifies the augmented inspection plan for the WCGS reactor vessel internals. This plan implements the Electric Power Research Institute's (EPRI) Materials Reliability Program (MRP): Pressurized Water Reactor Internals Inspection and Evaluation Guidelines (MRP-227-A) (Reference 3). This program was developed so that the aging effects of the reactor vessel internals components are adequately managed and provide reasonable assurance that the internals components continue to perform their intended function throughout the period of extended operation.

Reference 4 provides the NRC Final Safety Evaluation of MRP-227-A. As part of that evaluation, a number of action items and conditions were specified. Documented in Section 4 of the Enclosure is how WCGS conforms to those action items and conditions.

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

Sincerely,



Cynthia R. Hafenstine

CRH/rit

Enclosure: Wolf Creek RVI Inspection Plan

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