

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

Jaime H. McCoy  
Vice President Engineering

November 4, 2016  
ET 16-0031

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

- References: 1) Letter ET 16-0030, from J. H. McCoy, WCNO, to USNRC dated November 1, 2016, "Relief Request Number I4R-03, Request for Relief from Paragraph-3200(b) of ASME Code Case N-729-1 for Reactor Vessel Head Penetration Nozzle Welds and Relief Request I4R-04, Request for Relief from the Requirements of ASME Code Case N-729-1"
- 2) Letter 16-00966 from B. K. Singal, USNRC, to C. R. Hafenstine, WCNO, dated November 4, 2016, "Request for Additional Information (RAI) - Relief Request 14R-03 (CAC No. MF8456)."

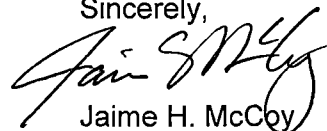
Subject: Docket No. 50-482: Response to Request for Additional Information Related to Relief Request Number I4R-03, Request for Relief from Paragraph-3200(b) of ASME Code Case N-729-1 for Reactor Vessel Head Penetration Nozzle Welds

Gentlemen:

Reference 1 provided Wolf Creek Nuclear Operating Corporation (WCNO) 10 CFR 50.55a Relief Request Number 14R-03 "Request for Relief from Paragraph-3200(b) of ASME Code Case N-729-1 for Reactor Vessel Head Penetration Nozzle Welds" and Relief Request I4R-04, "Request for Relief from the Requirements of ASME Code Case N-729-1." In Reference 2, the NRC staff requested additional information to support their review of Relief Request I4R-03.

The Attachment provides WCNO's response to this request for additional information. This letter contains no commitments. If you have any questions concerning this matter, please contact me at (620) 364-4156, or Cynthia R. Hafenstine (620) 364-4204.

Sincerely,



Jaime H. McCoy

JHM/rlt

Attachment Response to Request for Additional Information

cc: K. M. Kennedy (NRC), w/a  
S. P. Lingam (NRC), w/a  
R. J. Pascarelli (NRC), w/a  
B. K. Singal (NRC), w/a  
N. H. Taylor (NRC), w/a  
Senior Resident Inspector (NRC), w/a

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### Response to Request for Additional Information

Reference 1 provided Wolf Creek Nuclear Operating Corporation (WCNOC) 10 CFR 50.55a Relief Request Number 14R-03 "Request for Relief from Paragraph-3200(b) of ASME Code Case N-729-1 for Reactor Vessel Head Penetration Nozzle Welds" and Relief Request I4R-04, "Request for Relief from the Requirements of ASME Code Case N-729-1." In Reference 2, the NRC staff requested additional information to support their review of Relief Request I4R-03. WCNOC's response to the additional information requested in Reference 2 is provided below the request from Reference 2, which is listed first in italic type.

- 1. On page 4 of 8 of Attachment 1 to letter dated November 1, 2016, the licensee states that the radiological dose estimated for the eddy current surface examination of 66 of the penetration welds would be 500 mRem. What is the total estimated radiological dose for the performance of the eddy current surface examination on all 78 of the penetration welds?*

#### Response:

Initially WCNOC determined that the dose described in reference 1 would be required to perform the surface examination for the twelve penetration nozzles identified. This estimate was based on performing these examinations manually because the necessary resources to perform the examinations using a robotic system were not available.

The resources needed to perform the surface examinations robotically on all 78 penetration nozzles have become available due to schedule changes at a different site. With the availability of the robotic equipment it is estimated that the total dose associated with the surface examinations of the penetration nozzles would be 2.750 REM. This estimate includes approximately 500 mRem for the surface examinations, and approximately 2.25 REM (150 mRem/day of outage) for extension of Fire Watch, Operations Rounds, and other outage activities needed while the work is being performed.

#### References:

1. Letter ET 16-0030, from J. H. McCoy, WCNOC, to USNRC dated November 1, 2016, "Relief Request Number I4R-03, Request for Relief from Paragraph-3200(b) of ASME Code Case N-729-1 for Reactor Vessel Head Penetration Nozzle Welds and Relief Request I4R-04, Request for Relief from the Requirements of ASME Code Case N-729-1"
2. Letter 16-00966 from B. K. Singal, USNRC, to C. R. Hafenstine, WCNOC, dated November 4, 2016, "Request for Additional Information (RAI) - Relief Request 14R-03 (CAC No. MF8456)."