

Richard D. Bologna
Site Vice President724-682-5234
Fax: 724-643-8069February 13, 2019
L-19-022

10 CFR 50.59(d)(2)

ATTN: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001SUBJECT:
Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73
Report of Facility Changes, Tests and Experiments

In accordance with 10 CFR 50.59(d)(2), the FirstEnergy Nuclear Operating Company hereby submits the attached Report of Facility Changes, Tests and Experiments for the Beaver Valley Power Station, Unit No. 2. This report reflects the implemented changes, tests and experiments that were evaluated pursuant to 10 CFR 50.59 during the period of October 5, 2017 through January 31, 2019.

There are no regulatory commitments contained in this submittal. If there are any questions or if additional information is required, please contact Mr. Phil H. Lashley, Acting Manager Nuclear Licensing and Regulatory Affairs, at 330-315-6808.

Sincerely,



Richard D. Bologna

Attachment:
Beaver Valley Power Station, Unit No. 2, Report of Facility Changes,
Tests and Experimentscc: NRC Region I Administrator
NRC Resident Inspector
NRC Project Manager
Director BRP/DEP
Site BRP/DEP Representative

Attachment
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Beaver Valley Power Station, Unit No. 2,
Report of Facility Changes, Tests and Experiments
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Title: Revise Safeguards Area Ventilation Service Water Flow Requirement

Activity Description:

The minimum required service water system flow rate to safeguards area ventilation units has been lowered from 150 to 120 gallons per minute. Because this activity could potentially have an adverse effect on the Updated Final Safety Analysis Report (UFSAR) design function to maintain temperatures at an adequate level to support operation of emergency equipment in the area, it required further evaluation before it could be implemented.

Summary of Evaluation:

The safeguards area ventilation units are described in the UFSAR as necessary to help maintain the habitability of the safeguards building and to support the temperature basis for the equipment qualification program. Cooling provided by the safeguards area ventilation units is not credited to support operability of safety related equipment in the post-accident environment.

Because cooling provided by the safeguards area ventilation units is not required to maintain equipment operability, the service water system flow rate to these coolers was lowered to a value that continues to maintain normal area air temperatures in the safeguards building to support personnel access and assumptions in the environmental qualification profiles and analyses. At the lower service water system flow rate there are known conservatisms and margins available, such that the safeguards area ventilation units would still likely be able to support these design functions if flow drops below the 120 gallons per minute value.

There are no physical equipment modifications associated with the change. The change does not result in an increase in the probability of a postulated design basis accident or the introduction of a new accident. The change does not increase the likelihood of a malfunction of any mitigating equipment or any new type of malfunction to such equipment. FENOC concluded that the activity could proceed without obtaining a license amendment, and the UFSAR change to reduce the required service water system flow rate to safeguards area ventilation units was approved on January 11, 2019.