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TMI-18-024

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

THREE MILE ISLAND NUCLEAR STATION, UNIT 2 (TMI-2)  
POSSESSION ONLY LICENSE NO. DPR-73  
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SUBJECT: BIENNIAL 10 CFR 50.59 AND PDMS SAR REPORT

Attached is the biennial report for Three Mile Island Nuclear Station, Unit 2 (TMI-2) for years 2016 and 2017. This report is being submitted in accordance with TMI-2 Technical Specification 6.8.1.4 and the requirements of 10 CFR 50.59.

Please contact Mike Fitzwater of TMI-1 Regulatory Assurance at (717) 948-8228 if you have any questions regarding this submittal.

Respectfully,

A handwritten signature in black ink, appearing to read "Gregory H. Halnon".

Gregory H. Halnon  
President/CNO  
GPUN

Attachment

cc: USNRC TMI-2 Region I Inspector  
USNRC TMI-2 Project Manager  
USNRC Regional Administrator, Region 1

## TMI-2 PDMS ACTIVITIES DURING 2016 AND 2017

TMI-2 remained in a safe and stable condition during calendar years 2016 and 2017. Activities included rad waste processing, routine surveillances, equipment repair, and structural repairs.

## PDMS SAFETY ANALYSIS REPORT CHANGES

The PDMS SAR was updated (Update 12) and submitted to the NRC in GPU Nuclear letter, TMI-17-077, dated August 24, 2017. PDMS SAR Update 12 revised the PDMS SAR to reflect the current plant configuration, administrative processes, and editorial changes.

## PROCEDURE CHANGES

The typical categories of procedures that were changed in 2016 and 2017 were administrative, ventilation, electrical distribution, rad waste processing, fire protection, and Technical Specification surveillance. All procedure changes at TMI-2 are made using the Exelon 10 CFR 50.59 Review Process, which provides a screening process to determine if the change requires a written evaluation. During 2016 and 2017 there were no procedure changes which required a written evaluation.

## TESTS AND EXPERIMENTS

No tests or experiments not described in the PDMS SAR, where an SSC is utilized or controlled in a manner that is outside the reference bounds of the design for the SSC or is inconsistent with analyses or descriptions in the PDMS SAR were performed at TMI-2 during 2016 and 2017.

## FACILITY MODIFICATION

During 2016 and 2017 there were no facility modifications that impacted the TMI-2 PDMS SAR. Therefore, no 10 CFR 50.59 evaluations were performed with regard to facility modifications. Due to the non-operating and defueled status of TMI-2 during PDMS, there are no structures, systems, or components that are required to meet the safety-related criteria. Therefore, there are no structures, systems, or components classified as safety-related at TMI-2 during PDMS. All facility modifications are made using the Exelon 10 CFR 50.59 Review Process, which provides a screening process to determine if the change requires a written evaluation. This review and screening process is based on, and incorporates in its entirety, the implementation guidance provided in NEI 96-07, Revision 1.