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10 CFR 50.71(e)
10 CFR 54.37(b)

December 8, 2010

TMI-10-121

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

Three Mile Island Nuclear Station, Unit 1
Renewed Facility Operating License Nos. DPR-50
NRC Docket No. 50-289

Subject: Amended Submittal to Revision 20 of the Three Mile Island, Unit 1 Updated Final Safety Analysis Report

Reference: Letter from Pamela B. Cowan, Exelon Generation Company, LLC, to U.S. Nuclear Regulatory Commission - Three Mile Island Nuclear Station, Unit 1, Updated Final Safety Analysis Report (UFSAR), Revision 20, Fire Hazards Analysis Report (FHAR), Revision 24, UFSAR and FHAR Reference Drawings, dated April 7, 2010

By letter dated April 7, 2010 (Reference), Exelon Generation Company, LLC (Exelon), submitted Revision 20 of the Updated Final Safety Analysis Report (UFSAR) and Revision 24 of the Fire Hazards Analysis Report (FHAR) for Three Mile Island, Unit 1 (TMI-1), in accordance with the requirements of 10 CFR 50.71(e)(4) and 10 CFR 54.37(b).

Subsequently, a discrepancy was identified in the newly incorporated Appendix A, *"Final Safety Analysis Report Supplement (License Renewal),"* in the TMI-1 UFSAR, which describes the aging management programs for Structures, Systems, and Components (SSC) within the scope of License Renewal activities. Specifically, Appendix A did not reflect the appropriate level of detail regarding the aging management for a newly identified SSC related to the installation of *Metamic* spent fuel storage racks.

As a result, Exelon is submitting the enclosed amendment to Revision 20 of the UFSAR for TMI-1 to the U.S. Nuclear Regulatory Commission (NRC) in electronic format on CD-ROM. The enclosed CD-ROM also includes a copy of Revision 24 of the FHAR. Revision 24 of the FHAR remains unchanged from the previous submittal (Reference) and is being submitted for completeness purposes. The UFSAR and FHAR Reference Drawings are not included since this information also remains unchanged from the previous submittal (Reference). The electronic version of the UFSAR is being submitted in its entirety in accordance with the requirements of 10 CFR 50.4(b)(6), which constitutes a total replacement copy. Also included is the file directory structure information identifying directory path, filename, and size of the individual files on the enclosed CD.

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NRR

10 CFR 50.71(e)(2)(ii) stipulates that changes made to the UFSAR under the provisions of 10 CFR 50.59, but not previously submitted to the NRC, be identified. Accordingly, this amendment to Revision 20 of the TMI-1 UFSAR incorporates the changes associated with Engineering Change Request (ECR) 10-00654. This ECR was processed to support revising the TMI-1 UFSAR License Renewal Supplement (i.e., Appendix A) as required by 10 CFR 54.37(b) to include additional information on the newly identified SSC (i.e., *Metamic* spent fuel pool racks) and to incorporate other minor changes to Appendix A.

As required by 10 CFR 50.71(e)(2)(i), I certify that to the best of my knowledge, the information contained in the Enclosure to this letter accurately reflects information and analyses submitted to the NRC, or prepared pursuant to NRC requirements as described above.

If you have any questions or require further information, please contact Mr. Richard Gropp at (610) 765-5557.

Respectfully,

Pamela B. Cowan
Director - Licensing & Regulatory Affairs
Exelon Generation Company, LLC

Enclosure: CD-ROM – Amended TMI-1 UFSAR Revision 20 with FHAR Revision 24 and File Directory Listing

| | | |
|---|---|---|
| cc: | NRC Regional Administrator - NRC Region I | w/ Enclosure |
| | NRC Senior Resident Inspector - TMI | " |
| | NRC Project Manager, NRR – TMI | " |
| | Director, Bureau of Radiation Protection - Pennsylvania Department of Environmental Protection | " |

| Directory Path | File Name | File Size (Bytes) |
|---|---|---|
| | UFSAR | |
| D:\01 TMI UFSAR R20_12-10 | 000 Table of Contents.pdf | 83,301 |
| D:\01 TMI UFSAR R20_12-10 | 001 01 Intro and Gen Descrip.pdf | 266,523 |
| D:\01 TMI UFSAR R20_12-10 | 002 01 Intro and Gen Descrip Fig.pdf | 205,976 |
| D:\01 TMI UFSAR R20_12-10 | 003 02 Site Characteristics.pdf | 641,960 |
| D:\01 TMI UFSAR R20_12-10 | 004 02 Site Characteristics Fig.pdf | 5,312,977 |
| D:\01 TMI UFSAR R20_12-10 | 005 03 Reactor.pdf | 459,986 |
| D:\01 TMI UFSAR R20_12-10 | 006 03 Reactor Figures.pdf | 1,834,876 |
| D:\01 TMI UFSAR R20_12-10 | 007 04 RCS.pdf | 321,121 |
| D:\01 TMI UFSAR R20_12-10 | 008 04 RCS Figures.pdf | 645,320 |
| D:\01 TMI UFSAR R20_12-10 | 009 05 Cntmnt Sys and Spec Structs.pdf | 515,814 |
| D:\01 TMI UFSAR R20_12-10 | 010 05 Cntmnt Sys and Spec Structs Fig.pdf | 3,057,935 |
| D:\01 TMI UFSAR R20_12-10 | 011 05 Cntmnt Sys and Spec Structs App A.pdf | 1,165,568 |
| D:\01 TMI UFSAR R20_12-10 | 012 05 Cntmnt Sys and Spec Structs App B.pdf | 8,900,546 |
| D:\01 TMI UFSAR R20_12-10 | 013 05 Cntmnt Sys and Spec Structs App C.pdf | 1,084,871 |
| D:\01 TMI UFSAR R20_12-10 | 014 05 Cntmnt Sys and Spec Structs App D.pdf | 796,507 |
| D:\01 TMI UFSAR R20_12-10 | 015 05 Cntmnt Sys and Spec Structs App E.pdf | 1,854,720 |
| D:\01 TMI UFSAR R20_12-10 | 016 06 Eng Safeguards.pdf | 279,893 |
| D:\01 TMI UFSAR R20_12-10 | 017 06 Eng Safeguards Fig.pdf | 785,141 |
| D:\01 TMI UFSAR R20_12-10 | 018 06 Eng Safeguards App A.pdf | 581,751 |
| D:\01 TMI UFSAR R20_12-10 | 019 06 Eng Safeguards App B.pdf | 798,848 |
| D:\01 TMI UFSAR R20_12-10 | 020 07 Instr and Controls.pdf | 412,275 |
| D:\01 TMI UFSAR R20_12-10 | 021 07 Instr and Controls Fig.pdf | 584,508 |
| D:\01 TMI UFSAR R20_12-10 | 022 08 Elec Systems.pdf | 152,959 |
| D:\01 TMI UFSAR R20_12-10 | 023 08 Elec Systems Fig.pdf | 60,545 |
| D:\01 TMI UFSAR R20_12-10 | 024 09 Aux and Emer Sys.pdf | 432,238 |
| D:\01 TMI UFSAR R20_12-10 | 025 09 Aux and Emer Sys Fig.pdf | 323,532 |
| D:\01 TMI UFSAR R20_12-10 | 026 10 Steam and Power Conv.pdf | 220,583 |
| D:\01 TMI UFSAR R20_12-10 | 027 10 Steam and Power Conv Fig.pdf | 33,342 |
| D:\01 TMI UFSAR R20_12-10 | 028 11 Radioactive Waste and RP.pdf | 354,617 |
| D:\01 TMI UFSAR R20_12-10 | 029 11 Radioactive Waste and RP Fig.pdf | 960,421 |
| D:\01 TMI UFSAR R20_12-10 | 030 11 Radioactive Waste and RP App.pdf | 1,004,138 |
| D:\01 TMI UFSAR R20_12-10 | 031 12 Conduct of Operations.pdf | 202,091 |
| D:\01 TMI UFSAR R20_12-10 | 032 12 Conduct of Operations Fig.pdf | 76,086 |
| D:\01 TMI UFSAR R20_12-10 | 033 13 Initial Test and Operation.pdf | 148,557 |
| D:\01 TMI UFSAR R20_12-10 | 034 13 Initial Test and Operation Fig.pdf | 44,277 |
| D:\01 TMI UFSAR R20_12-10 | 035 13 Initial Test and Operation App.pdf | 198,896 |
| D:\01 TMI UFSAR R20_12-10 | 036 14 Safety Analysis.pdf | 502,915 |
| D:\01 TMI UFSAR R20_12-10 | 037 14 Safety Analysis Fig.pdf | 2,415,436 |
| D:\01 TMI UFSAR R20_12-10 | 038 14 Safety Analysis App A.pdf | 1,478,434 |
| D:\01 TMI UFSAR R20_12-10 | 039 14 Safety Analysis App B.pdf | 441,555 |
| D:\01 TMI UFSAR R20_12-10 | 040 14 Safety Analysis App C.pdf | 97,798 |
| D:\01 TMI UFSAR R20_12-10 | 041 Appendix A FSAR - License Renewal.pdf | 889,535 |
| | FHAR | |
| D:\02 TMI FHAR R24 | 01 Fire Hazards Analysis Report Vol 1.pdf | 1,197,361 |
| D:\02 TMI FHAR R24 | 02 Fire Hazards Analysis Report Vol 2.pdf | 2,813,074 |