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10 CFR 50
10 CFR 51
10 CFR 54

June 8, 2012

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

**Limerick Generating Station, Units 1 and 2
Facility Operating License Nos. NPF-39 and NPF-85
NRC Docket Nos. 50-352 and 50-353**

Subject: Response to NRC Request for Additional Information, dated May 18, 2012,
related to the Limerick Generating Station License Renewal Application

Reference: 1. Exelon Generation Company, LLC letter from Michael P. Gallagher to NRC
Document Control Desk, "Application for Renewed Operating Licenses", dated
June 22, 2011
2. Letter from Robert F. Kuntz (NRC) to Michael P. Gallagher (Exelon),
"Requests for Additional Information for the review of the Limerick Generating
Station, Units 1 and 2, License Renewal Application (TAC Nos. ME6555,
ME6556)", dated May 18, 2012

In the Reference 1 letter, Exelon Generation Company, LLC (Exelon) submitted the License Renewal Application (LRA) for the Limerick Generating Station, Units 1 and 2 (LGS). In the Reference 2 letter, the NRC requested additional information to support the staffs' review of the LRA.

Enclosed is the response to this request for additional information.

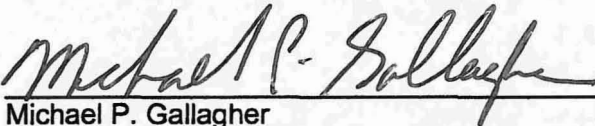
This letter and its enclosure contain no new or revised regulatory commitments.

If you have any questions, please contact Mr. Al Fulvio, Manager, Exelon License Renewal, at 610-765-5936.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 06-08-2012

Respectfully,

A handwritten signature in dark ink, appearing to read "Michael P. Gallagher", is written over a horizontal line.

Michael P. Gallagher
Vice President - License Renewal Projects
Exelon Generation Company, LLC

Enclosure: Response to Request for Additional Information

cc: Regional Administrator – NRC Region I
 NRC Project Manager (Safety Review), NRR-DLR
 NRC Project Manager (Environmental Review), NRR-DLR
 NRC Project Manager, NRR- DORL Limerick Generating Station
 NRC Senior Resident Inspector, Limerick Generating Station
 R. R. Janati, Commonwealth of Pennsylvania

Enclosure

**Response to Request for Additional Information related to scoping boundaries
associated with the LGS
License Renewal Application (LRA)**

RAI 2.3.3-2

RAI 2.3.3-2

Background

By letter, dated March 9, 2012, the staff issued several requests for additional information (RAI) regarding clarification of scoping boundaries as found in the license renewal boundary drawings. The response to the RAIs, provided by letter dated March 20, 2012, described in each instance which of the existing scoping boundaries were either correct or that the scoping boundaries were going to be revised on the license renewal boundary drawings. The following RAIs in the March 20, 2012, letter were identified in the RAI response that the license renewal boundary drawings were going to be revised:

- RAI 2.3.3-01 (LR-M-78 Sheet 1; LR-M-20 Sheets 4,5,7, 10, 11, and 13; LR-M-44 Sheet 1; and LR-M-51 Sheet 4)
- RAI 2.3.3.12-01 (LR-M-10 Sheet 3 and 8)
- RAI 2.3.3.14-01 (LR-M-59 Sheet 1)
- RAI 2.3.3.14-02 (LR-M-59 Sheet 3)
- RAI 2.3.3.22-01 (LR-M-23 Sheet 7)
- RAI 2.3.3.22-02 (LR-M-23 Sheet 4)
- RAI 2.3.4-01 (LR-M-41 Sheet 2; LR-M-49 Sheet 1; LR-M-50 Sheet 2; and LR-M-55 Sheet 1)
- RAI 2.3.4.3-01 (LR-M-07 Sheets 1 and 3)
- RAI 2.3.4.6-01 (LR-M-05 Sheets 3 and 6)
- RAI 2.3.4.7-01 (LR-M-05 Sheet 2 and LR-M-07 Sheet 2)
- RAI 2.3.4.7-02 (LR-M-06 Sheets 2 and 5)

Issue

Although the response has described the revisions to be made to the license renewal boundary drawings the staff needs to confirm that the revisions were made in each instance above to complete its review. The staff's confirmatory review will consist of identifying that the system components were appropriately included within the revised scoping boundaries on the license renewal boundary drawings.

Request

Provide the revised license renewal boundary drawings for each of the RAIs listed above.

Exelon Response

The following License Renewal drawings have been revised in accordance with the descriptions of the changes provided in RAI Responses referenced in the RAI Background discussion:

- LR-M-05 Sheets 1, 2, and 3 (Note 1)
- LR-M-06 Sheets 2 and 5
- LR-M-07 Sheets 1, 2 and 3
- LR-M-10 Sheets 3 and 8
- LR-M-20 Sheets 4, 5, 7, 10, 11, and 13
- LR-M-23 Sheets 4 and 7
- LR-M-41 Sheet 2
- LR-M-44 Sheet 1
- LR-M-49 Sheet 1

- LR-M-50 Sheet 2
- LR-M-51 Sheet 4
- LR-M-55 Sheet 1
- LR-M-59 Sheets 1 and 3
- LR-M-78 Sheet 1

Note 1 – The response to RAI 2.3.4.6-1, provided within the letter dated March 20, 2012, described changes to drawings LR-M-05 Sheets 1 and 3, but mistakenly referenced Sheet 6 in the last sentence. The last sentence in the response should have read, "LR-M-05 Sheet 1 and Sheet 3 will be revised to show the transition from in scope piping to piping not in scope for the three oily waste drain pipes, and a Note 3 will be added at each location to describe the basis for the change from red to black." Therefore, it is clarified that LR-M-05 Sheets 1 and 3 were revised and not Sheet 6. LR-M-05 Sheet 2 was revised as described in the response to RAI 2.3.4.7-1.

These drawing revisions were reviewed by the NRC regional inspectors during the first week of the NRC IP 71002 regional inspection conducted June 4 through June 8, 2012. It was agreed with the NRC License Renewal Project Manager that Exelon need not submit the revised license renewal boundary drawings for each of the RAIs referenced in the above Background discussion.