



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001**

April 24, 2015

Mr. Michael P. Gallagher
Vice President, License Renewal Projects
Exelon Generation Company, LLC
200 Exelon Way
Kennett Square, PA 19348

**SUBJECT: SUMMARY OF THE SEVERE ACCIDENT MITIGATION ALTERNATIVES
AUDIT FOR LASALLE COUNTY STATION, UNITS 1 AND 2 (TAC NOS.
MF5567 AND MF5568)**

Dear Mr. Gallagher:

On April 7-8, 2015, a review team consisting of staff from the U.S. Nuclear Regulatory Commission (NRC) and contractors from the Center for Nuclear Waste Regulatory Analyses participated in a site audit at the Exelon Generation Company, LLC (Exelon) office in Kennett Square, Pennsylvania, related to the severe accidents mitigation alternatives (SAMA) analysis of the LaSalle County Station, Units 1 and 2 (LSCS) license renewal application. The goal of the audit was to review documentation and gather information to ensure that the environmental requirements for license renewal, as codified in Title 10 of the *Code of Federal Regulations* Part 51 were met. A letter dated March 31, 2015, and available in the Agencywide Documents Access and Management System under Main Library (ML) 15083A546, was sent to you containing an audit needs list in support of the audit. Enclosed is a list of the audit participants.

The audit began on April 7, 2015, with an entrance meeting to introduce participants and discuss audit logistics. Next, participants discussed the following topics relative to the Severe Accident Mitigation Alternative (SAMA) analysis: (1) Level 1 Probabilistic Risk Assessment (PRA), (2) Level 2 model PRA, (3) external events, (4) Level 3 consequence analysis, (5) selection and screening of Phase 1 SAMAs, (6) cost-benefit analysis and site-specific cost estimates, and (7) consideration of potentially lower or more effective alternative SAMAs.

M. Gallagher

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NRC staff is preparing requests for additional information (RAIs), which will be issued in a subsequent letter. If you have any questions on this matter, please contact David Drucker by telephone at 301-415-6223 or by e-mail at David.Drucker@nrc.gov.

Sincerely,

/RA/

Brian D. Wittick, Chief
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-373 and 50-374

Enclosure: As stated

cc w/encl: Listserv

M. Gallagher

- 2 -

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DISTRIBUTION: See next page

ADAMS Accession No.: ML15106A812 (Letter)

*concurring via email

OFFICE	LA:DLR:RPB2*	PM:RPB2:DLR	BC:RPB2:DLR
NAME	SWoods	DDrucker	BWittick
DATE	4/20/2015	4/15/2015	4/24/15

OFFICIAL RECORD COPY

Letter to Michael Gallagher from Brian D. Wittick dated April 24, 2015

SUBJECT: SUMMARY OF THE SEVERE ACCIDENTS MITIGATION ALTERNATIVES
AUDIT FOR LASALLE COUNTY STATION, UNITS 1 AND 2 (TAC NOS.
MF5567 AND MF5568)

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**LASALLE COUNTY STATION, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION REVIEW
SEVERE ACCIDENTS MITIGATION ALTERNATIVES AUDIT
April 7-8, 2015**

PARTICIPANT

David Drucker
Jerry Dozier
Bob Schmidt
Roland Benke
Daniel Speaker
Gene Kelly
Chris Wilson
Nancy Ranek
Mike Gallagher
Don MacLeod
Heather Fox
Alex Duvall
Mike Banko
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