



**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](mailto: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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Sincerely,

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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

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DISTRIBUTION: See next page

**ADAMS Accession No.: ML15106A812 (Letter)**

\*concurred 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

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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  
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Mike Banko  
Rich Siembor

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Center for Nuclear Waste Regulatory Analyses (CNWRA)  
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Exelon Generation Company, LLC (Exelon)  
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