



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

December 5, 2016

All Operating Reactor Licensees and
Holders of Construction Permits
(See Enclosure 1 for List of Facilities)

**SUBJECT: NUCLEAR REGULATORY COMMISSION PLAN FOR THE AUDIT OF
MITIGATION STRATEGIES ASSESSMENT SUBMITTALS RELATED TO
ORDER EA-12-049, "ORDER TO MODIFY LICENSES WITH REGARD TO
REQUIREMENTS FOR MITIGATION STRATEGIES FOR BEYOND-DESIGN-
BASIS EXTERNAL EVENTS"**

This letter documents the U.S. Nuclear Regulatory Commission (NRC) staff's plan to perform regulatory audits of licensees' mitigation strategies assessments (MSAs), which are being completed as part of implementing lessons learned from the 2011 accident at the Fukushima Dai-ichi plant in Japan. These audits will be conducted on an as-needed basis to support the NRC staff's review of the MSAs and issuance of the associated NRC staff assessments.

BACKGROUND

By letter dated March 12, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12053A340), the NRC issued a request for information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.54(f) (hereafter referred to as the 50.54(f) letter). Enclosures 1 and 2 to the 50.54(f) letter requested that licensees reevaluate the seismic and flooding hazards for their sites using present-day methods and regulatory guidance used by the NRC staff when reviewing applications for early site permits and combined licenses.

Concurrent with the reevaluation of the seismic and flood hazards, licensees were required to develop and implement mitigating strategies for beyond-design-basis events in accordance with NRC Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events" (ADAMS Accession No. ML12054A735). In order to proceed with implementation of Order EA-12-049, licensees used the current licensing basis hazard or the most recent hazard information, which may not be based on present-day methodologies and guidance, in the development of their mitigating strategies.

The NRC staff provided recommendations to the Commission on integrating these related activities in COMSECY-14-0037, "Integration of Mitigating Strategies for Beyond-Design-Basis External Events and the Reevaluation of Flood Hazards," dated November 21, 2014 (ADAMS Accession No. ML14309A256). The Commission's staff requirements memorandum (ADAMS Accession No. ML15089A236) affirmed the Commission's expectation that licensees for operating nuclear power plants address the reevaluated flood hazards, which are considered

beyond-design-basis external events, within their mitigating strategies.

The plan for ensuring that mitigating strategies can address the reevaluated seismic and flooding hazards was described in COMSECY-15-0019, "Closure Plan for the Reevaluation of Flooding Hazards for Operating Nuclear Power Plants," dated June 30, 2015 (ADAMS Accession No. ML15153A105). As part of the process outlined in COMSECY-15-0019, licensees submit MSAs to the NRC to demonstrate that the mitigating strategies address the reevaluated seismic and flooding hazards.

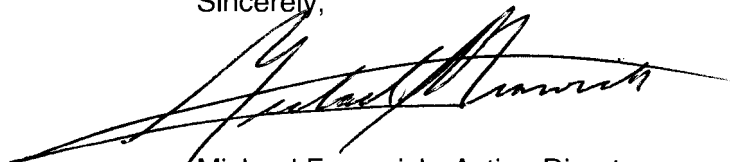
AUDIT PLAN

The enclosed audit plan outlines the process that the NRC staff will use to identify additional information that may be necessary to supplement the MSAs and resolve any potential technical concerns. Audits will be performed on a plant-specific basis and only if it is necessary to support the NRC staff's review of the submitted MSA. As part of the audit process, NRC staff members may be contacting licensees to discuss topics relevant to the existing docketed submittals, as well as information that may be contained in the ePortal system. This audit process will provide the NRC staff with a better understanding of the MSAs. Specifically, the audits will be used to confirm that the MSA submitted by the licensee has adequately addressed the reevaluated hazards within its mitigation strategies for beyond-design-basis external events.

The audits will be performed consistent with NRC Office of Nuclear Reactor Regulation Office Instruction LIC-111, "Regulatory Audits," dated December 29, 2008 (ADAMS Accession No. ML082900195) and may be conducted over multiple sessions, as needed. The NRC staff will develop an audit summary report to document its observations and conclusions within 90 days of the final audit session.

If you have any questions, please contact Gregory Bowman at (301) 415-2939 or by e-mail at Gregory.Bowman@nrc.gov.

Sincerely,



Michael Franovich, Acting Director
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Enclosures:

1. List of Operating Reactor Licensees and Holders of Construction Permits
2. Audit Plan

cc: Listserv
NEI

ENCLOSURE 1
OPERATING REACTOR LICENSEES AND
HOLDERS OF CONSTRUCTION PERMITS

Arkansas Nuclear One, Units 1 and 2

Entergy Operations, Inc.
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6

Vice President, Operations
Arkansas Nuclear One
Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802

Beaver Valley Power Station, Units 1 and 2

FirstEnergy Nuclear Operating Company
Docket Nos. 50-334 and 50-412
License Nos. DPR-66 and NPF-73

Mr. Marty L. Richey
Site Vice President
FirstEnergy Nuclear Operating Company
Beaver Valley Power Station
Mail Stop A-BV-SEB1
P.O. Box 4, Route 168
Shippingport, PA 15077

Braidwood Station, Units 1 and 2

Exelon Generation Company, LLC
Docket Nos. STN 50-456 and STN 50-457
License Nos. NPF-72 and NPF-77

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO)
Exelon Nuclear
Braidwood Station
4300 Winfield Road
Warrenville, IL 60555

Browns Ferry Nuclear Plant, Units 1, 2, and 3

Tennessee Valley Authority
Docket Nos. 50-259, 50-260, and 50-296
License Nos. DPR-33, DPR-52, and DPR-68

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
Browns Ferry Nuclear Plant
1101 Market Street, LP 3R-C
Chattanooga, TN 37402-2801

Brunswick Steam Electric Plant, Units 1 and 2

Duke Energy Progress, LLC
Docket Nos. 50-325 and 50-324
License Nos. DPR-71 and DPR-62

Mr. William R. Gideon
Site Vice President
Brunswick Steam Electric Plant
8470 River Rd., SE (M/C BNP001)
Southport, NC 28461

Byron Station, Units 1 and 2

Exelon Generation Company, LLC
Docket Nos. STN 50-454 and STN 50-455
License Nos. NPF-37 and NPF-66

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO)
Exelon Nuclear
Byron Station
4300 Winfield Road
Warrenville, IL 60555

Callaway Plant, Unit 1
Union Electric Company
Docket No. 50-483
License No. NPF-30

Mr. Fadi Diya
Senior Vice President and Chief
Nuclear Officer
Union Electric Company
Callaway Plant
P.O. Box 620
Fulton, MO 65251

Calvert Cliffs Nuclear Power Plant, Units 1
and 2

Calvert Cliffs Nuclear Power Plant, LLC
Docket Nos. 50-317 and 50-318
License Nos. DPR-53 and DPR-69

Mr. Bryan C. Hanson
President and Chief Nuclear Officer
Exelon Generation Company, LLC
Calvert Cliffs Nuclear Power Plant
4300 Winfield Road
Warrenville, IL 60555

Catawba Nuclear Station, Units 1 and 2

Duke Energy Carolinas, LLC
Docket Nos. 50-413 and 50-414
License Nos. NPF-35 and NPF-52

Mr. Robert T. Simril
Site Vice President
Duke Energy Carolinas, LLC
Catawba Nuclear Station
4800 Concord Road
York, SC 29745

Clinton Power Station, Unit 1
Exelon Generation Company, LLC
Docket No. 50-461
License No. NPF-62

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO)
Exelon Nuclear
Clinton Power Station
4300 Winfield Road
Warrenville, IL 60555

Columbia Generating Station

Energy Northwest
Docket No. 50-397
License No. NPF-21

Mr. Mark E. Reddemann
Chief Executive Officer
Energy Northwest
Columbia Generating Station
MD 1023
North Power Plant Loop
P.O. Box 968
Richland, WA 99352-0968

Comanche Peak Nuclear Power Plant, Units
1
and 2

TEX Operations Company, LLC
Docket Nos. 50-445 and 50-446
License Nos. NPF-87 and NPF-89

Mr. Ken J. Peters
Senior Vice President and Chief
Nuclear Officer
Attention: Regulatory Affairs
TEX Operations Company, LLC
Comanche Peak Nuclear Power Plant
P.O. Box 1002
Glen Rose, TX 76043

Cooper Nuclear Station
Nebraska Public Power District
Docket No. 50-298
License No. DPR-46

Mr. Oscar A. Limpas
Vice President-Nuclear and CNO
Nebraska Public Power District
Cooper Nuclear Station
72676 648A Avenue
Brownville, NE 68321

Davis-Besse Nuclear Power Station, Unit 1
FirstEnergy Nuclear Operating Company
Docket No. 50-346
License No. NPF-3

Mr. Brian D. Boles
Site Vice President
FirstEnergy Nuclear Operating Company
Davis-Besse Nuclear Power Station
5501 N. State Route 2
Mail Stop A-DB-3080
Oak Harbor, OH 43449-9760

Diablo Canyon Power Plant, Units 1 and 2
Pacific Gas and Electric Company
Docket Nos. 50-275 and 50-323
License Nos. DPR-80 and DPR-82

Mr. Edward D. Halpin
Senior Vice President, Generation
and Chief Nuclear Officer
Pacific Gas and Electric Company
Diablo Canyon Power Plant
P.O. Box 56, Mail Code 104/6
Avila Beach, CA 93424

Donald C. Cook Nuclear Plant, Units 1 and 2
Indiana Michigan Power Company
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74

Mr. Joel P. Gebbie
Senior Vice President and Chief
Nuclear Officer
Indiana Michigan Power Company
Nuclear Generation Group
Donald C. Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106

Dresden Nuclear Power Station, Units 2 and 3
Exelon Generation Company, LLC
Docket Nos. 50-237 and 50-249
License Nos. DPR-19 and DPR-25

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO)
Exelon Nuclear
Dresden Nuclear Power Station
4300 Winfield Road
Warrenville, IL 60555

Duane Arnold Energy Center
NextEra Energy Duane Arnold, LLC
Docket No. 50-331
License No. DPR-49

Mr. Thomas A. Vehec
Vice President
NextEra Energy
Duane Arnold Energy Center
3277 DAEC Road
Palo, IA 52324-9785

Edwin I. Hatch Nuclear Plant, Units 1 and 2
Southern Nuclear Operating Company, Inc.
Docket Nos. 50-321 and 50-366
License Nos. DPR-57 and NPF-5

Mr. C. R. Pierce
Regulatory Affairs Director
Southern Nuclear Operating Company, Inc.
Edwin I. Hatch Nuclear Plant
P.O. Box 1295 / Bin 038
Birmingham, AL 35201-1295

Fermi 2
DTE Electric Company
Docket No. 50-341
License No. NPF-43

Mr. Paul Fessler, Senior Vice President
and Chief Nuclear Officer
DTE Electric Company
Fermi 2 - 210 NOC
6400 North Dixie Highway
Newport, MI 48166

Fort Calhoun Station, Unit 1
Omaha Public Power District
Docket No. 50-285
License No. DPR-40

Mr. Shane M. Marik
Site Vice President and
Chief Nuclear Officer
Omaha Public Power District
Fort Calhoun Station
9610 Power Lane, Mail Stop FC-2-4
Blair, NE 68008

Grand Gulf Nuclear Station, Unit 1
Entergy Operations, Inc.
Docket No. 50-416
License No. NPF-29

Vice President, Operations
Entergy Operations, Inc.
Grand Gulf Nuclear Station
P.O. Box 756
Port Gibson, MS 39150

H. B. Robinson Steam Electric Plant, Unit 2
Duke Energy Progress, LLC
Docket No. 50-261
License No. DPR-23

Mr. Richard Michael Glover
Site Vice President
H. B. Robinson Steam Electric Plant
Duke Energy Progress, LLC
3581 West Entrance Road, RNPA01
Hartsville, SC 29550

Hope Creek Generating Station
PSEG Nuclear, LLC
Docket No. 50-354
License No. NPF-57

Mr. Peter P. Sena, III
President and Chief Nuclear Officer
PSEG Nuclear LLC – N09
Hope Creek Generating Station
P.O. Box 236
Hancocks Bridge, NJ 08038

Indian Point Nuclear Generating Units 1, 2,
and 3
Entergy Nuclear Operations, Inc.
Docket Nos. 50-247 and 50-286
License Nos. DPR-26 and DPR-64

Vice President, Operations
Entergy Nuclear Operations, Inc.
Indian Point Energy Center
450 Broadway, GSB
P.O. Box 249
Buchanan, NY 10511-0249

James A. FitzPatrick Nuclear Power Plant
Entergy Nuclear Operations, Inc.
Docket No. 50-333
License No. DPR-59

Vice President, Operations
Entergy Nuclear Operations, Inc.
James A. FitzPatrick Nuclear Power Plant
P.O. Box 110
Lycoming, NY 13093

Joseph M. Farley Nuclear Plant, Units 1 and 2

Southern Nuclear Operating Company, Inc.
Docket Nos. 50-348 and 50-364
License Nos. NPF-2 and NPF-8

Mr. C. R. Pierce
Regulatory Affairs Director
Southern Nuclear Operating Company, Inc.
Joseph M. Farley Nuclear Plant
P.O. Box 1295 / Bin 038
Birmingham, AL 35242

LaSalle County Station, Units 1 and 2

Exelon Generation Company, LLC
Docket Nos. 50-373 and 50-374
License Nos. NPF-11 and NPF-18

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO)
Exelon Nuclear
LaSalle County Station
4300 Winfield Road
Warrenville, IL 60555

Limerick Generating Station, Units 1 and 2

Exelon Generation Company, LLC
Docket Nos. 50-352 and 50-353
License Nos. NPF-39 and NPF-85

Mr. Bryan C. Hanson
President and Chief Nuclear Officer
Exelon Nuclear
Limerick Generating Station
4300 Winfield Road
Warrenville, IL 60555

McGuire Nuclear Station, Units 1 and 2

Duke Energy Carolinas, LLC
Docket Nos. 50-369 and 50-370
License Nos. NPF-9 and NPF-17

Mr. Steven D. Capps, Vice President
Duke Energy Carolinas, LLC
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

Millstone Power Station, Units 2 and 3

Dominion Nuclear Connecticut, Inc.
Docket Nos. 50-336 and 50-423
License Nos. DPR-65 and NPF-49

Mr. David A. Heacock
President and Chief Nuclear Officer
Dominion Nuclear Connecticut, Inc.
Millstone Power Station
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060

Monticello Nuclear Generating Plant

Northern States Power Company
Docket No. 50-263
License No. DPR-22

Mr. Peter A. Gardner
Senior Vice President and Chief
Nuclear Officer
Northern States Power Company -
Minnesota
Monticello Nuclear Generating Plant
2807 West County Road 75
Monticello, MN 55362-9637

Nine Mile Point Nuclear Station, Units 1 and 2

Nine Mile Point Nuclear Station, LLC
Exelon Generation Company, LLC
Docket Nos. 50-220 and 50-410
License Nos. DPR-63 and NPF-69

Mr. Bryan C. Hanson
President and Chief Nuclear Officer
Exelon Generation Company, LLC
Nine Mile Point Nuclear Station
4300 Winfield Road
Warrenville, IL 60555

North Anna Power Station, Units 1 and 2

Virginia Electric and Power Company
Docket Nos. 50-338 and 50-339
License Nos. NPF-4 and NPF-7

Mr. David A. Heacock, President
and Chief Nuclear Officer
Virginia Electric and Power Company
North Anna Power Station
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060

Oconee Nuclear Station, Units 1, 2, and 3

Duke Energy Carolinas, LLC
Docket Nos. 50-269, 50-270, and 50-287
License Nos. DPR-38, DPR-47, and DPR-55

Mr. Thomas D. Ray
Vice President
Oconee Nuclear Station
Duke Energy Corporation
7800 Rochester Highway
Seneca, SC 29672-0752

Oyster Creek Nuclear Generating Station

Exelon Generation Company, LLC
Docket No. 50-219
License No. DPR-16

Mr. Bryan C. Hanson
President and Chief Nuclear Officer
Exelon Generation Company, LLC
Oyster Creek Nuclear Generating Station
4300 Winfield Road
Warrenville, IL 60555

Palisades Nuclear Plant

Entergy Nuclear Operations, Inc.
Docket No. 50-255
License No. DPR-20

Vice President, Operations
Entergy Nuclear Operations, Inc.
Palisades Nuclear Plant
27780 Blue Star Memorial Highway
Covert, MI 49043-9530

Palo Verde Nuclear Generating Station,
Units

1, 2, and 3
Arizona Public Service Company
Docket Nos. STN 50-528, STN 50-529,
and STN 50-530
License Nos. NPF-41, NPF-51, and NPF-74

Mr. Robert S. Bement
Executive Vice President Nuclear/
Chief Nuclear Officer
Arizona Public Service Company
Palo Verde Nuclear Generating Station
P.O. Box 52034
Mail Station 7602
Phoenix, AZ 85072-2034

Peach Bottom Atomic Power Station, Units 2 and 3

Exelon Generation Company, LLC
Docket Nos. 50-277 and 50-278
License Nos. DPR-44 and DPR-56

Mr. Bryan C. Hanson
President and Chief Nuclear Officer
Exelon Nuclear
Peach Bottom Atomic Power Station
4300 Winfield Road
Warrenville, IL 60555

Perry Nuclear Power Plant, Unit 1

FirstEnergy Nuclear Operating Company
Docket No. 50-440
License No. NPF-58

Mr. David B. Hamilton
Site Vice President
FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant
Mail Stop A-PY-290
P.O. Box 97, 10 Center Road
Perry, OH 44081-0097

Pilgrim Nuclear Power Station

Entergy Nuclear Operations, Inc.
Docket No. 50-293
License No. DPR-35

Site Vice President
Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5508

Point Beach Nuclear Plant, Units 1 and 2

NextEra Energy Point Beach, LLC
Docket Nos. 50-266 and 50-301
License Nos. DPR-24 and DPR-27

Mr. Robert Coffey
Site Vice President
NextEra Energy Point Beach, LLC
6610 Nuclear Road
Two Rivers, WI 54241-9516

Prairie Island Nuclear Generating Plant, Units 1 and 2

Northern States Power Company -
Minnesota
Docket Nos. 50-282 and 50-306
License Nos. DPR-42 and DPR-60

Mr. Scott D. Northard
Acting Vice President
Northern States Power Company -
Minnesota
Prairie Island Nuclear Generating Plant
1717 Wakonade Drive East
Welch, MN 55089-9642

Quad Cities Nuclear Power Station, Units 1 and 2

Exelon Generation Company, LLC
Docket Nos. 50-254 and 50-265
License Nos. DPR-29 and DPR-30

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer
Exelon Nuclear
Quad Cities Nuclear Power Station
4300 Winfield Road
Warrenville, IL 60555

R. E. Ginna Nuclear Power Plant

R. E. Ginna Nuclear Power Plant, LLC
Exelon Generation Company, LLC
Docket No. 50-244
License No. DPR-18

Mr. Bryan C. Hanson
President and Chief Nuclear Officer
Exelon Generation Company, LLC
R. E. Ginna Nuclear Power Plant
4300 Winfield Road
Warrenville, IL 60555

River Bend Station, Unit 1
Entergy Operations, Inc.
Docket No. 50-458
License No. NPF-47

Vice President, Operations
Entergy Operations, Inc.
River Bend Station
5485 U.S. Highway 61N
St. Francisville, LA 70775

Salem Nuclear Generating Station, Units 1
and 2

PSEG Nuclear, LLC
Docket Nos. 50-272 and 50-311
License Nos. DPR-70 and DPR-75

Mr. Peter P. Sena, III
President and Chief Nuclear Officer
PSEG Nuclear LLC – N09
Salem Nuclear Generating Station
P.O. Box 236
Hancocks Bridge, NJ 08038

Seabrook Station, Unit 1
NextEra Energy Seabrook, LLC
Docket No 50-443
License No. NFP-86

Mr. Eric McCartney
Site Vice President
NextEra Energy
Seabrook Station
626 Lafayette Rd.
Seabrook, NH 03874

Sequoyah Nuclear Plant, Units 1 and 2

Tennessee Valley Authority
Docket Nos. 50-327 and 50-328
License Nos. DPR-77 and DPR-79

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
Sequoyah Nuclear Plant
1101 Market Street, LP 3R-C
Chattanooga, TN 37402-2801

Shearon Harris Nuclear Power Plant, Unit 1
Duke Energy Progress, LLC
Docket No. 50-400
License No. NPF-63

Ms. Tanya Hamilton
Site Vice President
Duke Energy Progress, LLC
Shearon Harris Nuclear Power Plant
5413 Shearon Harris Rd.
M/C HNP01
New Hill, NC 27562-0165

South Texas Project, Units 1 and 2
STP Nuclear Operating Company
Docket Nos. 50-498 and 50-499
License Nos. NPF-76 and NPF-80

Mr. G. T. Powell
Executive Vice President and CNO
STP Nuclear Operating Company
South Texas Project
P.O. Box 289
Wadsworth, TX 77483

St. Lucie Plant, Units 1 and 2
Florida Power and Light Company
Docket Nos. 50-335 and 50-389
License Nos. DPR-67 and NPF-16

Mr. Mano Nazar
President and Chief Nuclear Officer
Nuclear Division
Florida Power and Light Company
Mail Stop: NT3/JW
15430 Endeavor Drive
Jupiter, FL 33478

Surry Power Station, Units 1 and 2
Virginia Electric and Power Company
Docket Nos. 50-280 and 50-281
License Nos. DPR-32 and DPR-37

Mr. David A. Heacock
President and Chief Nuclear Officer
Dominion Nuclear
Virginia Electric and Power Company
Surry Power Station
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

Susquehanna Steam Electric Station, Units 1 and 2
Susquehanna Nuclear, LLC
Docket Nos. 50-387 and 50-388
License Nos. NPF-14 and NPF-22

Mr. Robert J. Franssen
Site Vice President
Susquehanna Nuclear, LLC
769 Salem Boulevard
NUCSB3
Berwick, PA 18603-0467

Three Mile Island Nuclear Station, Unit 1
Exelon Generation Company, LLC
Docket No. 50-289
License No. DPR-50

Mr. Bryan C. Hanson
President and Chief Nuclear Officer
Exelon Generation Company, LLC
Three Mile Island Nuclear Station
4300 Winfield Road
Warrenville, IL 60555

Turkey Point Nuclear Generating Units 3 and 4
Florida Power and Light Company
Docket Nos. 50-250 and 50-251
License Nos. DPR-31 and DPR-41

Mr. Mano Nazar
President and Chief Nuclear Officer
Nuclear Division
Florida Power and Light Company
Mail Stop: NT3/JW
15430 Endeavor Drive
Jupiter, FL 33478

Virgil C. Summer Nuclear Station, Unit 1
South Carolina Electric and Gas Company
Docket No. 50-395
License No. NPF-12

Mr. George Lippard, III
Vice President, Nuclear Operations
South Carolina Electric and Gas Company
Virgil C. Summer Nuclear Station
P.O. Box 88, Mail Code 800
Jenkinsville, SC 29065

Vogtle Electric Generating Plant, Units 1 and 2
Southern Nuclear Operating Company, Inc.
Docket Nos. 50-424 and 50-425
License Nos. NPF-68 and NPF-81

Mr. C. R. Pierce
Regulatory Affairs Director
Vogtle Electric Generating Plant
Southern Nuclear Operating Company, Inc.
P.O. Box 1295 / Bin 038
Birmingham, AL 35201-1295

Waterford Steam Electric Station, Unit 3
Entergy Operations, Inc.
Docket No. 50-382
License No. NPF-38

Site Vice President
Entergy Operations, Inc.
Waterford Steam Electric Station
17265 River Road
Killona, LA 70057-3093

Watts Bar Nuclear Plant, Units 1 and 2
Tennessee Valley Authority
Docket No. 50-390 and 50-391
License No. NPF-90 and NPF-96

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
Watts Bar Nuclear Plant
1101 Market Street, LP 3R-C
Chattanooga, TN 37402-2801

Wolf Creek Generating Station
Wolf Creek Nuclear Operating Corporation
Docket No. 50-482
License No. NPF-42

Mr. Adam C. Heflin
President, Chief Executive Officer,
and Chief Nuclear Officer
Wolf Creek Nuclear Operating Corporation
Wolf Creek Generating Station
P.O. Box 411
Burlington, KS 66839

Enclosure 2
Audit Plan

NRC PLAN FOR THE AUDIT OF MITIGATION STRATEGIES ASSESSMENT SUBMITTALS RELATING TO ORDER EA-12-049 FOR MULTIPLE PLANTS

BACKGROUND AND AUDIT BASIS:

By letter dated March 12, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No ML12053A340), the NRC issued a request for information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.54(f) (hereafter referred to as the 50.54(f) letter). The 50.54(f) letter was issued as part of implementing lessons learned from the accident at the Fukushima Dai-ichi nuclear power plant. Enclosures 1 and 2 to the 50.54(f) letter requested licensees reevaluate the seismic and flooding hazards, respectively, using present-day methodologies and guidance.

Concurrent with the reevaluation of seismic and flooding hazards, licensees were required to develop and implement mitigating strategies in accordance with NRC Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events" (ADAMS Accession No. ML12054A735). That order requires holders of operating reactor licenses and construction permits issued under 10 CFR Part 50 to modify the plants to provide additional capabilities and defense-in-depth for responding to beyond-design-basis external events, and to submit to the NRC for review a final integrated plan that describes how compliance with the requirements of Attachment 2 of the order was achieved. In order to proceed with implementation of Order EA-12-049, licensees used the current licensing basis hazard or the most recent seismic and flooding hazard information, which may not be based on present-day methodologies and guidance, in the development of their mitigating strategies.

The NRC staff and industry recognized the difficulty in developing and implementing mitigating strategies before completing the hazard reevaluations. The NRC staff described this issue and provided recommendations to the Commission on integrating these related activities in COMSECY-14-0037, "Integration of Mitigating Strategies for Beyond-Design-Basis External Events and the Reevaluation of Flood Hazards," dated November 21, 2014 (ADAMS Accession No. ML14309A256). The Commission issued a staff requirements memorandum (SRM) on March 30, 2015 (ADAMS Accession No. ML15089A236), affirming that the Commission expects licensees for operating nuclear power plants to address the reevaluated flood hazards, which are considered beyond-design-basis external events, within their mitigating strategies.

The staff subsequently developed a plan for ensuring that mitigating strategies can address the reevaluated seismic and flooding hazards, and for completion of the remaining flood reevaluation activities, and provided that to the Commission in COMSECY-15-0019, "Closure Plan for the Reevaluation of Flooding Hazards for Operating Nuclear Power Plants," dated June 30, 2015 (ADAMS Accession No. ML15153A105). The Commission approved the staff's plan in an SRM dated July 28, 2015 (ADAMS Accession No. ML15209A682). As part of the process outlined in COMSECY-15-0019, licensees submit mitigating strategies assessments (MSAs) to the NRC to demonstrate that the mitigating strategies address the reevaluated seismic and flooding hazards.

REGULATORY AUDIT SCOPE AND METHODOLOGY

Nuclear Energy Institute (NEI) 12-06, Revision 2, "Diverse and Flexible Coping Strategies (FLEX) Implementation Guide" (ADAMS Accession No. ML16005A625), has been endorsed by the NRC as an appropriate methodology for licensees to use to perform assessments of the mitigating strategies against the reevaluated flood hazards developed in response to the March 12, 2012, 50.54(f) letter. The guidance in NEI 12-06, Revision 2, and Appendices G and H in particular, supports the proposed Mitigation of Beyond-Design-Basis Events rulemaking. The endorsement, including exceptions, clarifications, and additions, is described in NRC Japan Lessons-Learned Division (JLD) interim staff guidance (ISG) JLD-ISG-2012-01, Revision 1, "Compliance with Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events" (ADAMS Accession No. ML15357A163). Therefore, Appendices G and H of NEI 12-06, Revision 2, describe acceptable methods for demonstrating that the reevaluated flooding and seismic hazard, respectively, are addressed within the assessments of mitigating strategies for beyond-design-basis external events.

INFORMATION AND OTHER MATERIAL NECESSARY FOR THE REGULATORY AUDIT:

The areas of focus for the regulatory audit is the information contained in the MSA submittals, and all associated and relevant supporting documentation used in the development of the aforementioned document including, but not limited to, methodology, process information, calculations, computer models, etc.

NRC AUDIT TEAM:

Title	Team Member	Affiliation
Team Leader, NRR/JLD	Various Staff Members	NRC
Branch Chief, NRR/JLD/JHMB	Gregory Bowman	NRC
Branch Chief, NRR/JLD/JOMB	Mandy Halter	NRC
Branch Chief, NRR/JLD/JERB	Stewart Bailey	NRC
Branch Chief, NRO/DSEA	Christopher Cook	NRC
Branch Chief, NRO/DSEA	Michael Dudek	NRC
Technical Staff, NRR/JLD	Various Staff Members	NRC

LOGISTICS:

The audit meetings will be coordinated with each licensee contact.

DELIVERABLES:

The NRC team will develop an audit summary report to convey the audit results. The report will be placed in ADAMS within 90 days of the completion of the final audit session, and will be publicly available.

The information discussed in the audit may be included, fully or in part, in the development of the NRC staff's evaluation of the MSA.

beyond-design-basis external events, within their mitigating strategies.

These technical audits will be performed, if it is deemed necessary, to finalize the NRC staff's review of the submitted MSA. This audit process will provide the NRC staff with a better understanding of the MSAs. Specifically, the audits will be used to confirm that the MSA submitted by the licensee has adequately addressed the reevaluated hazards within its mitigation strategies for beyond-design-basis external events. The audits will be performed consistent with NRC Office of Nuclear Reactor Regulation Office Instruction LIC-111, "Regulatory Audits," dated December 29, 2008 (ADAMS Accession No. ML082900195) and may be conducted over multiple sessions, as needed. The NRC staff will develop an audit summary report to document its observations and conclusions within 90 days of the final audit session.

The enclosed audit plan outlines the process that will allow the NRC staff to identify additional information potentially necessary for licensees to supplement their MSAs, and resolve any potential technical concerns. As part of the audit process, NRC staff members will be contacting licensees to discuss topics relevant to the existing docketed submittals, as well as information that may be contained in the ePortal system.

If you have any questions, please contact Gregory Bowman at (301) 415-2939 or by e-mail at Gregory.Bowman@nrc.gov.

Sincerely,
/RA/
Michael Franovich, Acting Director
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Enclosures:

1. List of Operating Reactor Licensees and Holders of Construction Permits
2. Audit Plan

cc: Listserv
NEI

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***via email**

OFFICE	NRR/JLD/JHMB/PM	NRR/JLD/JHMB/LA	NRR/JLD/JHMB/BC	NRR/JLD/DD
NAME	TGovan	SLent	GBowman	MShams
DATE	09/23/2016	09/23/2016	10/18/2016	10/18/2016
OFFICE	NRR/JLD/D			
NAME	MFranovich			
DATE	12/5/2016			

OFFICIAL RECORD COPY

Letter to All Operating Reactor Licensees and Holders of Construction Permits from Michael Franovich dated December 5, 2016.

SUBJECT: NUCLEAR REGULATORY COMMISSION PLAN FOR THE AUDIT OF MITIGATION STRATEGIES ASSESSMENT SUBMITTALS RELATING TO ORDER EA-12-049, "ORDER TO MODIFY LICENSES WITH REGARD TO REQUIREMENTS FOR MITIGATION STRATEGIES FOR BEYOND-DESIGN-BASIS EXTERNAL EVENTS," FOR ALL OPERATING REACTOR LICENSEES AND HOLDER OF CONSTRUCTION PERMITS.

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