

UNITED STATES NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

February 22, 2013

All Power Reactor Licensees and Holders of Construction Permits on the Enclosed List

SUBJECT: STATUS OF 60-DAY RESPONSE TO ISSUANCE OF FLOODING

INTEGRATED ASSESSMENT GUIDANCE RELATED TO THE NEAR-TERM TASK FORCE RECOMMENDATION 2.1, FLOODING REEVALUATIONS

By letter dated March 12, 2012,¹ the U.S. Nuclear Regulatory Commission (NRC) issued a request for information per Title 10 to the *Code of Federal Regulations*, Section 50.54(f) (referred to as the 50.54(f) letter), to all nuclear power reactor licensees in response to lessons learned from Japan's March 2011, earthquake and subsequent tsunami. Enclosure 2 to the 50.54(f) letter includes Recommendation 2.1: Flooding, as part of the response to Near-Term Task Force [NTTF] Recommendations for Enhancing Reactor Safety in the 21st Century report, issued July 12, 2011.² This 50.54(f) letter requests licensees to reevaluate the flooding hazards for their facilities, perform a facility integrated assessment if necessary, and submit this information to the NRC. The information will be evaluated by the NRC staff to determine whether further regulatory action is warranted.

The 50.54(f) letter, as part of the "Required Response," states that within 60 days of the date of the NRC's issuance of guidance on implementation details of the Integrated Assessment Report, licensees are to submit a letter to the NRC stating whether they will follow the NRC issued guidance or develop a different approach. The NRC staff issued the Interim Staff Guidance document, JLD-ISG-2012-05, "Guidance for Performing the Integrated Assessment for External Flooding," on November 30, 2012.³

This letter serves as an acknowledgement of receipt of your 60-day response letter. The NRC staff acknowledges that you have provided the information specified in the 50.54(f) letter, Enclosure 2, Required Response, item 1. The staff has no additional questions at this time.

¹ The 10 CFR 50.54(f) letter is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML12053A340.

² The NTTF report is available under ADAMS Accession No. ML111861807.

The ISG is available under ADAMS Accession No. ML12311A214.

The Operating Power Reactor Licensees

- 2 -

Should you have any questions regarding this letter, please contact Ms. Lisa Regner at 301-415-1906 or <u>Lisa.Regner@NRC.gov</u>.

Sincerely,

/RA/

Michele G. Evans, Director Division of Operating Reactor Licensing Office of Nuclear Reactor Regulation

cc: See enclosed list Listserv The Operating Power Reactor Licensees

-2-

Should you have any questions regarding this letter, please contact Ms. Lisa Regner at 301-415-1906 or <u>Lisa.Regner@NRC.gov</u>.

Sincerely,

/RA/

Michele G. Evans, Director Division of Operating Reactor Licensing Office of Nuclear Reactor Regulation

cc: See enclosed list Listserv

ADAMS Accession No.: ML13039A435

*Concurrence via e-mail

OFFICE	LA: NRR/DORL*	PM: NRR/JLD/PMB	BC: NRR/JLD/ PMB
NAME	SFigueroa	LRegner	MMitchell
DATE	2/15/2013	2/15/2013	2/19/2013
OFFICE	BC: NRR/DORL/LPLI-2	D: NRR/DORL	
NAME	MKhanna	MEvans	
DATE	2/19/2013	2/22/2013	

OFFICIAL RECORD COPY

POWER REACTOR LICENSEES AND HOLDERS OF CONSTRUCTION PERMITS IN ACTIVE OR DEFERRED STATUS

Arkansas Nuclear One

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

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

Beaver Valley Power Station

First Energy Nuclear Operating Co. Docket Nos. 50-334 and 50-412 License Nos. DPR-66 and NPF-73

Mr. Paul A. Harden Site Vice President FirstEnergy Nuclear Operating Company Mail Stop A-BV-SEB1 P.O. Box 4, Route 168 Shippingport, PA 15077

Bellefonte Nuclear Power Station

Tennessee Valley Authority
Docket Nos. 50-438 and 50-439
Construction Permit Nos. CPPR-122 and
CPPR-123

Mr. Michael D. Skaggs Senior Vice President, Nuclear Construction Tennessee Valley Authority 6A Lookout Place 1101 Market Street Chattanooga, TN 37402-2801 Braidwood Station

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

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 4300 Winfield Road Warrenville, IL 60555

Browns Ferry Nuclear Plant

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
3R Lookout Place
1101 Market Street, LP 3D-C
Chattanooga, TN 37402-2801

Brunswick Steam Electric Plant

Carolina Power & Light Co. Docket Nos. 50-325 and 50-324 License Nos. DPR-71 and DPR-62

Mr. Michael J. Annacone Vice President Carolina Power & Light Company Brunswick Steam Electric Plant P. O. Box 10429 Southport, NC 28461

Byron Station

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

Mr. Michael J. Pacilio
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

Callaway Plant

Union Electric Company Docket No. 50-483 License No. NPF-30

Mr. Adam C. Heflin Senior Vice President and Chief Nuclear Officer Union Electric Company Ameren Missouri P. O. Box 620 Fulton, MO 65251

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

Mr. George H. Gellrich Vice President Calvert Cliffs Nuclear Power Plant, LLC Calvert Cliffs Nuclear Power Plant 1650 Calvert Cliffs Parkway Lusby, MD 20657-4702

Catawba Nuclear Station Duke Energy Carolinas, LLC Docket Nos. 50-413 and 50-414

License Nos. NPF-35 and NPF-52

Mr. Kelvin Henderson Site Vice President Duke Energy Carolinas, LLC Catawba Nuclear Station 4800 Concord Road York, SC 29745

Clinton Power Station Exelon Generation Co., LLC

Docket No. 50-461 License No. NPF-62

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 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 MD 1023 North Power Plant Loop P.O. Box 968 Richland, WA 99352

Comanche Peak Nuclear Power Plant

Luminant Generation Co., LLC Docket Nos. 50-445 and 50-446 License Nos. NPF-87 and NPF-89

Mr. Rafael Flores
Senior Vice President and
Chief Nuclear Officer
Luminant Generation Company, LLC
Attn: Regulatory Affairs
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. Limpias
Vice President Nuclear and
Chief Nuclear Officer
Nebraska Public Power District
72676 648A Avenue
P.O. Box 98
Brownville, NE 68321

Crystal River Nuclear Generating Plant

Florida Power Corp.
Docket No. 50-302
License No. DPR-72

Mr. Jon A. Franke
Site Vice President
Attn: Supervisor, Licensing & Regulatory
Programs
Progress Energy, Inc.
Crystal River Nuclear Plant (NA2C)
15760 West Power Line Street
Crystal River, FL 34428-6708

Davis-Besse Nuclear Power Station First Energy Nuclear Operating Co. Docket No. 50-346 License No. NPF-3

Mr. Ray Lieb Site Vice President FirstEnergy Nuclear Operating Company c/o Davis-Besse NPS 5501 N. State Route 2 Oak Harbor, OH 43449-9760

Diablo Canyon Power Plant

Pacific Gas & Electric Co. Docket Nos. 50-275 and 50-323 License Nos. DPR-80 and DPR-82

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

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

Mr. Lawrence J. Weber Senior Vice President and Chief Nuclear Officer Indiana Michigan Power Company Nuclear Generation Group One Cook Place Bridgman, MI 49106

<u>Dresden Nuclear Power Station</u> Exelon Generation Co., LLC Docket Nos. 50-237 and 50-249 License Nos. DPR-19 and DPR-25

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 4300 Winfield Road Warrenville, IL 60555

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

Mr. Rich Anderson Site Vice President NextEra Energy Duane Arnold Energy Center 3277 DAEC Road Palo, IA 52324-9785

Edwin I. Hatch Nuclear Plant Southern Nuclear Operating Co. Docket Nos. 50-321 and 50-366 License Nos. DPR-57 and NPF-5

Mr. C.R. Pierce Regulatory Affairs Director Southern Nuclear Operating Co., Inc. P.O. Box 1295/BIN B038 Birmingham, AL 35201-1295

Fermi

Detroit Edison Co. Docket No. 50-341 License No. NPF-43

Mr. Joseph H. Plona
Senior Vice President and Chief Nuclear
Officer
Detroit Edison Company
Fermi 2 – 210 NOC
6400 North Dixie Highway
Newport, MI 48166

Fort Calhoun Station

Omaha Public Power District Docket No. 50-285 License No. DPR-40

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

Grand Gulf Nuclear Station

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

Carolina Power & Light Co. Docket No. 50-261 License No. DPR-23

Mr. William R. Gideon Vice President Carolina Power & Light Company 3581 West Entrance Road Hartsville, SC 29550

Hope Creek Generating Station

PSEG Nuclear, LLC Docket No. 50-354 License No. NPF-57

Mr. Thomas Joyce President and Chief Nuclear Officer PSEG Nuclear LLC - N09 P. O. Box 236, Hancocks Bridge, NJ 08038

<u>Indian Point Energy Center</u> 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
Entergy Nuclear Operations, Inc.
James A. FitzPatrick Nuclear Power Plant
P.O. Box 110
Lycoming, NY 13093

Joseph M. Farley Nuclear Plant Southern Nuclear Operating Co.

Docket Nos. 50-348 and 50-364 License Nos. NPF-2 and NPF-8

Mr. C.R. Pierce Regulatory Affairs Director Southern Nuclear Operating Co., Inc. P.O. Box 1295/Bin 038 Birmingham, AL 35242

Kewaunee Power Station

Dominion Energy Kewaunee, Inc. Docket No. 50-305 License No. DPR-43

Mr. David A. Heacock
President and Chief Nuclear Officer
Dominion Energy Kewaunee, Inc.
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

LaSalle County Station

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

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 4300 Winfield Road Warrenville, IL 60555

Limerick Generating Station

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

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 4300 Winfield Road Warrenville, IL 60555

Millstone Nuclear Power Station

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. Innsbrook Technical Center 5000 Dominion Boulevard Glen Allen, VA 23060-6711

Monticello Nuclear Generating Plant Northern States Power Company

Docket No. 50-263 License No. DPR-22

Mr. Mark A. Schimmel
Site Vice President
Northern States Power Company - Minnesota
Monticello Nuclear Generating Plant
2807 West County Road 75
Monticello, MN 55362-9637

Nine Mile Point Nuclear Station

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

Mr. Christopher Costanzo
Vice President Nine Mile Point
Nine Mile Point Nuclear Station, LLC
P. O. Box 63
Lycoming, NY 13093

North Anna Power Station

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

Mr. David A. Heacock
President and Chief Nuclear Officer
Dominion Nuclear
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

Oconee Nuclear Station

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

Mr. Preston Gillespie Site Vice President, Oconee Nuclear Station Duke Energy Carolinas, LLC 7800 Rochester Highway Seneca, SC 29672

Oyster Creek Nuclear Generating Station

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

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 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
Palo Verde Nuclear Generating Station
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. Randall K. Edington Executive Vice President Nuclear and Chief Nuclear Officer Arizona Public Service Co. P. O. Box 52034, MS 7602 Phoenix, AZ 85072-2034

Peach Bottom Atomic Power Station

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

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 4300 Winfield Road Warrenville, IL 60555

Perry Nuclear Power Plant FirstEnergy Nuclear Operating Co. Docket No. 50-440

License No. NPF-58

Mr. Vito A. Kaminskas Site Vice President - Nuclear - Perry FirstEnergy Nuclear Operating Company Perry Nuclear Power Plant 10 Center Road, A290 Perry, OH 44081

Pilgrim Nuclear Power Station Unit No. 1

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

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

Point Beach Nuclear Plant

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

Mr. Larry Meyer Site Vice President NextEra Energy Point Beach, LLC Point Beach Nuclear Plant, Units 1 & 2 6610 Nuclear Road Two Rivers, WI 54241-9516

Prairie Island Nuclear Generating Plant Northern States Power Co. Minnesota Docket Nos. 50-282 and 50-306 License Nos. DPR-42 and DPR-60

Mr. James E. Lynch Site 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 Exelon Generation Co., LLC Docket Nos. 50-254 and 50-265 License Nos. DPR-29 and DPR-30

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 4300 Winfield Road Warrenville, IL 60555

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

Mr. Joseph E. Pacher Vice President R.E. Ginna Nuclear Power Plant, LLC R.E. Ginna Nuclear Power Plant 1503 Lake Road Ontario, NY 14519

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

Mr. Thomas Joyce President and Chief Nuclear Officer PSEG Nuclear LLC - N09 P. O. Box 236, Hancocks Bridge, NJ 08038 San Onofre Nuclear Generating Station
Southern California Edison Company
Docket Nos. 50-361 and 50-362
License Nos. NFP-10 and NFP-15

Mr. Peter T. Dietrich
Senior Vice President and
Chief Nuclear Officer
Southern California Edison Company
San Onofre Nuclear Generating Station
P.O. Box 128
San Clemente, CA 92674-0128

Seabrook Nuclear Plant
NextEra Energy Seabrook, LLC
Docket No 50-443
License No. NFP-86

Mr. Kevin Walsh Vice President, Seabrook Nuclear Plant c/o Mr. Michael O'Keefe NextEra Energy Seabrook, LLC P.O. Box 300 Seabrook, NH 03874

Sequoyah Nuclear Plant
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 3R Lookout Place 1101 Market Street Chattanooga, TN 37402-2801

Shearon Harris Nuclear Power Plant

Carolina Power & Light Co. Docket No. 50-400 License No. NPF-63

Mr. George T. Hamrick Vice President Carolina Power and Light Company Shearon Harris Nuclear Power Plant P. O. Box 165, Mail Zone 1 New Hill, NC 27562-0165

South Texas Project

STP Nuclear Operating Co. Docket Nos. 50-498 and 50-499 License Nos. NPF-76 and NPF-80

Mr. Dennis L. Koehl President and CEO/CNO STP Nuclear Operating Company South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, TX 77483

St. Lucie Plant

Florida Power & Light Co. Docket Nos. 50-335 and 50-389 License Nos. DPR-67 and NPF-16

Mr. Mano Nazar
Executive Vice President and
Chief Nuclear Officer
NextEra Energy
700 Universe Boulevard
P. O. Box 14000
Juno Beach, FL 33408-0420

Surry Power Station

Virginia Electric & Power Co. 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
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

Susquehanna Steam Electric Station

PPL Susquehanna, LLC Docket Nos. 50-387 and 50-388 License Nos. NPF-14 and NPF-22

Mr. Timothy S. Rausch Senior Vice President and Chief Nuclear Officer PPL Susquehanna, LLC 769 Salem Boulevard NUCSB3 Berwick, PA 18603-0467

Three Mile Island, Unit 1

Exelon Nuclear Docket No. 50-289 License No. DPR-50

Mr. Michael J. Pacilio President and Chief Nuclear Officer Exelon Nuclear 4300 Winfield Road Warrenville, IL 60555

Turkey Point

Florida Power & Light Co. Docket Nos. 50-250 and 50-251 License Nos. DPR-31 and DPR-41

Mr. Mano Nazar
Executive Vice President and
Chief Nuclear Officer
NextEra Energy
700 Universe Boulevard
P. O. Box 14000
Juno Beach, FL 33408-0420

Vermont Yankee Nuclear Power Station Entergy Nuclear Operations, Inc.

Docket No. 50-271 License No. DPR-28

Vice President, Operations Entergy Nuclear Operations, Inc. Vermont Yankee Nuclear Power Station P.O. Box 250, Governor Hunt Road Vernon, VT 05354 Virgil C. Summer Nuclear Station South Carolina Electric & Gas Co. Docket No. 50-395 License No. NPF-12

Mr. Thomas D. Gatlin
Vice President Nuclear Operations
South Carolina Electric & Gas Company
Virgil C. Summer Nuclear Station
Post Office Box 88, Mail Code 800
Jenkinsville, SC 29065

Vogtle Electric Generating Plant
Southern Nuclear Operating Co.
Docket Nos. 50-424 and 50-425
License Nos. NPF-68 and NPF-81

Mr. C.R. Pierce Regulatory Affairs Director Southern Nuclear Operating Co., Inc. P.O. Box 1295/Bin 038 Birmingham, AL 35201

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

Vice President, Operations
Entergy Operations, Inc.
Waterford Steam Electric Station, Unit 3
17265 River Road
Killona, LA 70057-0751

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

Watts Bar Nuclear Plant, Unit 2 Tennessee Valley Authority Docket No. 50-391 Construction Permit No. CPPR No. 092

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
3R Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

William B. McGuire Nuclear Station
Duke Energy Carolinas, LLC
Docket Nos. 50-369 and 50-370
License Nos. NPF-9 and NPF-17

Mr. Regis T. Repko Vice President Duke Energy Carolinas, LLC McGuire Nuclear Site 12700 Hagers Ferry Road Huntersville, NC 28078

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

Mr. Matthew W. Sunseri President and Chief Executive Officer Wolf Creek Nuclear Operating Corporation P.O. Box 411 Burlington, KS 66839