



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

January 29, 2014

The Licensees of Operating Power Reactors on the  
Enclosed List

**SUBJECT: ACKNOWLEDGEMENT OF LICENSEE DOSE ASSESSMENT SUBMITTALS  
ASSOCIATED WITH NEAR-TERM TASK FORCE RECOMMENDATION 9.3  
RELATED TO THE FUKUSHIMA DAI-ICHI NUCLEAR POWER PLANT  
ACCIDENT**

In the U.S. Nuclear Regulatory Commission's (NRC) Near-Term Task Force Report, "Recommendations for Enhancing Reactor Safety in the 21st Century," the Task Force recommended that an order be issued requiring licensees to develop and add guidance to their emergency plan regarding how to perform multi-unit dose assessments. The Fukushima Dai-ichi accident highlighted the importance of the availability of a multi-unit dose assessment capability in responding to a similar event. By letter dated February 27, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13029A632), NRC staff requested that the Nuclear Energy Institute (NEI) provide additional information on the number of sites that currently have multi-unit dose assessment capabilities, and the date by which all sites will have these capabilities. By letter dated March 14, 2013 (ADAMS Accession No. ML13073A522), NEI informed the staff that each licensee would provide to the NRC their multi-unit and/or multi-source dose assessment capabilities no later than June 30, 2013.

Your response included: 1) a summary of your current capabilities to perform multi-unit and/or multi-source dose assessments; 2) your anticipated schedule with due dates to establish it on an interim and/or permanent basis, if these are not current capabilities; and 3) a description of how your implementation schedule will be tracked. Your final implementation dates for permanent multi-unit and/or multi-source dose assessment capabilities did not exceed December 31, 2014.

The NRC staff reviewed your response and noted that you have multi-unit and/or multi-source dose assessment capabilities or will have these capabilities by December 31, 2014. In reviewing your capabilities, the NRC staff considered whether your automated computer program would demonstrate the ability to model offsite dose assessment conducive to developing Protective Action Recommendations.

The NRC staff expects that as part of the implementation of these new dose assessment capabilities, an appropriate level of site procedures and training will be provided to ensure adequate integration and licensee staff familiarity. NRC staff will verify the implementation of these dose assessment capabilities through the inspection program.

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Should you have any questions regarding this letter, please contact Brian Harris at (301) 415-2277.

Sincerely,

A handwritten signature in black ink that reads "Michele G. Evans". The signature is written in a cursive style with a large initial 'M' and a distinct 'G'.

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

Enclosure:  
List of Operating Power Reactor Licensees

cc: Additional Distribution via listserv

## Operating Power Reactors

### 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

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

Mr. Eric A. Larson  
Site Vice President  
FirstEnergy Nuclear Operating Company  
P.O. Box 4, Route 168  
Shippingport, PA 15077

### 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  
1101 Market Street, LP 3D-C  
Chattanooga, TN 37402-2801

### Brunswick Steam Electric Plant

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

Mr. George T. Hamrick  
Vice President  
Duke Energy Progress, Inc.  
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

### 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

### Clinton Power Station

Exelon Generation Co., LLC  
Docket No. 50-461  
License No. NPF-62

Enclosure

Mr. Michael J. Pacilio  
President and Chief Nuclear Officer  
Exelon Generation Company  
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  
Attention: 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. Limpas  
Vice President Nuclear and  
Chief Nuclear Officer  
Nebraska Public Power District  
Cooper Nuclear Station  
72676 648A Avenue  
P.O. Box 98  
Brownville, NE 68321

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

Mr. Raymond A. 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

Dresden Nuclear Power Station  
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

Duane Arnold Energy Center  
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  
DTE Electric Company  
Docket No. 50-341  
License No. NPF-43

Mr. Joseph H. Plona  
Senior Vice President and Chief Nuclear  
Officer  
DTE Electric 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  
Duke Energy Progress, Inc.  
Docket No. 50-261  
License No. DPR-23

Mr. William R. Gideon  
Vice President  
H.B. Robinson Steam Electric Plant  
Duke Energy Progress, Inc. 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

Indian Point Energy Center  
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

Chris Adner, Licensing Manager  
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 35201-1295

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

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

Oyster Creek Nuclear Generating Station  
AmerGen Energy Company, 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 49043-9530

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. Ernest J. Harkness  
Site Vice President - Nuclear - Perry  
FirstEnergy Nuclear Operating Company  
Perry Nuclear Power Plant  
PO Box 97, A290  
Perry, OH 44081

Pilgrim Nuclear Power Station Unit No. 1  
Entergy Nuclear Generation Company  
Docket No. 50-293  
License No. DPR-35

Mr. John Dent, Jr.  
Site Vice President  
Pilgrim Nuclear Power Station  
600 Rocky Hill Road  
Plymouth, MA 02360-5508

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

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

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

Mr. Kevin Walsh, Site Vice President  
, Seabrook Nuclear Plant  
c/o Mr. Michael Ossing  
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  
1101 Market Street LP 3D-C  
Chattanooga, TN 37402-2801

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

Mr. Ernest J. Kapopoulos, Jr.  
Vice President  
Shearon Harris Nuclear Power Plant  
5413 Shearon Harris Road 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

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 Generation Company, LLC  
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

Vermont Yankee Nuclear Power Station  
Entergy Nuclear Operations, Inc.  
Docket No. 50-271  
License No. DPR-28

Site Vice President  
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  
P.O. 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 35201-1295

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, Unit 1  
Tennessee Valley Authority  
Docket No. 50-390  
License No. NPF-9

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

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

Should you have any questions regarding this letter, please contact Brian Harris at (301) 415-2277.

Sincerely,

*/ra/*

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

Enclosure:  
List of Operating Power Reactor Licensees

cc: Additional Distribution via listserv

DISTRIBUTION:  
See next page

**ADAMS Accession No.: ML13233A205**

|               |             |             |                    |             |             |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| <b>OFFICE</b> | NRR/JLD/PMB | NRR/JLD/ LA | NSIR/DPR/DDEP/NRLB | NRR/JLD/PMB | NRR/JLD/PMB |
| <b>NAME</b>   | BHarris     | SLent       | KWilliams          | MMitchell   | BHarris     |
| <b>DATE</b>   | 08/26/13    | 08/26/13    | 09/05/13           | 09/24/13    | 09/24/13    |
| <b>OFFICE</b> | NRR/DORL    |             |                    |             |             |
| <b>NAME</b>   | MEvans      |             |                    |             |             |
| <b>DATE</b>   | 01/29/14    |             |                    |             |             |

**OFFICIAL RECORD COPY**

Letter from Michele G. Evans to Listed Operating Power Reactor Plants dated  
January 29, 2014

**SUBJECT: ACKNOWLEDGEMENT OF LICENSEE DOSE ASSESSMENT SUBMITTALS  
ASSOCIATED WITH NEAR-TERM TASK FORCE RECOMMENDATION 9.3  
RELATED TO THE FUKUSHIMA DAI-ICHI NUCLEAR POWER PLANT  
ACCIDENT**

**DISTRIBUTION:**

**PUBLIC**

LPL1-1 R/F

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LPL4 R/F

RidsNrrDorl

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RidsNrrDorlLp1-2

RidsNrrDorlLp2-1

RidsNrrDorlLp2-2

RidsNrrDorlLp3-1

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RidsNrrPMBrunswick

RidsNrrPMByron

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RidsNrrPMClinton

RidsNrrPMColumbia

RidsNrrPMComanchePeak

RidsNrrPMCooper

RidsNrrPMDCCook

RidsNrrPMDavisBesse

RidsNrrPMDiabloCanyon

RidsNrrPMDresden

RidsNrrPMDuaneArnold

RidsNrrPMFarley

RidsNrrPMFermi2

RidsNrrPMFitzPatrick

RidsNrrPMFortCalhoun

RidsNrrPMGrandGulf

RidsNrrPMHatch

RidsNrrPMHopeCreek

RidsNrrPMIndianPoint

RidsNrrPMLaSalle

RidsNrrPMLimerick

RidsNrrPMMillstone

RidsNrrPMNineMilePoint

RidsNrrPMNorthAnna

RidsNrrPMOysterCreek

RidsNrrPMPalisades

RidsNrrPMPaloVerde

RidsNrrPM PeachBottom

RidsNrrPMPerry

RidsNrrPMPilgrim

RidsNrrPMQuadCities

RidsNrrPMREGinna

RidsNrrPMRobinson

RidsNrrPMSalem

RidsNrrPMSeabrook

RidsNrrPMSequoyah

RidsNrrPMShearonHarris

RidsNrrPMSouthTexas

RidsNrrPMSummer

RidsNrrPMSurry

RidsNrrPMSusquehanna

RidsNrrPMTThreeMileIsland

RidsNrrPMVermontYankee

RidsNrrPMVogle

RidsNrrPMWaterford

RidsNrrPMWattsBar1

RidsNrrPMWattsBar2

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