



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

April 2, 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: USE OF RASCAL

In the U.S. Nuclear Regulatory Commission's (NRC's) Near-Term Task Force (NTTF) Report, "Recommendations for Enhancing Reactor Safety in the 21st Century," issued July 12, 2011 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML111861807), the NTTF 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 (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.

By letters dated in June 2013, you provided a submittal to the NRC regarding multi-unit and/or multi-source dose assessment capabilities. On September 5, 2013, the NRC staff conducted a teleconference with you regarding a generic technical issue (ADAMS Accession No. ML13266A390) contained in your initial submittal. The NRC staff identified that your permanent multi-unit/multi-source dose assessment capability appeared to be contingent on the timing of the NRC release of RASCAL. The NRC staff communicated the expectation that licensees describe a plan to update their software to have the capability to conduct multi-unit/multi-source dose assessment without a dependency on the NRC release of RASCAL. By letters dated in October 2013, you supplemented your submittal to implement new/modified software that will ensure multi-unit/multi-source dose assessment capability by December 31, 2014 without a reliance on the release of RASCAL.

The NRC staff reviewed the supplemented information and noted that the combined initial and supplemental responses provided: a summary of your current capabilities to perform multi-unit and/or multi-source dose assessments; and the anticipated schedule with due dates to establish it on an interim and/or permanent basis (if these are not current capabilities), with a final implementation date for permanent multi-unit and/or multi-source dose assessment capabilities that did not exceed December 31, 2014. In reviewing these 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.

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

Sincerely,

A handwritten signature in cursive script that reads "Michele G. Evans".

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

Enclosures:

1. List of Operating Power Reactor Licensees
2. Table of Licensee Submittals

cc: Additional Distribution via listserv

## Operating Power Reactors

### Callaway Plant

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

Mr. Fadi Diya  
Senior Vice President and Chief  
Nuclear Officer  
Ameren Missouri  
Callaway Plant  
P.O. 620  
Fulton, MO 65251

### Monticello Nuclear Generating Plant

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

Mrs. Karen D. Fili  
Site Vice President  
Northern States Power Company -  
Minnesota  
Monticello Nuclear Generating Plant  
2807 West County Road 75  
Monticello, MN 55362-9637

### Prairie Island Nuclear Generating Plant

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

Mr. Kevin K. Davison  
Site Vice President  
Northern States Power Company -  
Minnesota  
Prairie Island Nuclear Generating Plant  
1717 Wakonade Drive East  
Welch, MN 55089-9642

**Table of Licensee Submittals**

<b>Plant</b>	<b>Initial Submittal</b>	<b>Supplemental Response</b>
Callaway	ML13179A037	ML13283A180
Monticello	ML13171A011	ML13296A745
Prairie Island	ML13169A351	ML13296A745

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Sincerely,

*/RA/*

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

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**ADAMS Accession No. ML14080A418**

OFFICE	NRR/JLD/PMB	NRR/JLD/ LA	NRR/JLD/PMB	NRR/JLD/PMB	NRR/DORL
NAME	BHarris	SLent	MMitchell	BHarris	MEvans
DATE	03/21/14	03/21/14	03/24/14	03/24/14	04/02/14

**OFFICIAL RECORD COPY**

Letter from Michele G. Evans to Operating Power Reactor Plants on the Enclosed list dated April 2, 2014.

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RELATED TO THE FUKUSHIMA DAI-ICHI NUCLEAR POWER PLANT  
ACCIDENT: USE OF RASCAL

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