

March 28, 2006

Holders of Licenses for  
Pressurized-Water Reactors  
Listed in Enclosure

SUBJECT: ALTERNATIVE APPROACH FOR RESPONDING TO THE NUCLEAR  
REGULATORY COMMISSION REQUEST FOR ADDITIONAL INFORMATION  
LETTER RE: GENERIC LETTER 2004-02 (TAC NOS. SEE ENCLOSURE)

As you are aware, the U.S. Nuclear Regulatory Commission (NRC) has reviewed pressurized-water reactor (PWR) licensees' responses to Generic Letter (GL) 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors." As a result of these reviews, the NRC staff identified the need for additional information on several issues related to sump performance. In February of this year, the NRC staff provided a request for additional information (RAI) letter to individual licensees to support the staff's disposition and eventual closure of Generic Safety Issue (GSI)-191, which concerns PWR sump performance. The NRC staff requested in its correspondence that licensees respond and provide the requested information within 60 days.

By letter to the Nuclear Energy Institute (NEI) dated March 3, 2006 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML060650335), the NRC staff agreed to an alternative approach and timetable that licensees may use to address the subject matter of the RAIs. The NRC staff agreed to this alternative approach because it is consistent with the NRC's emphasis on early installation of modifications to address GSI-191. In addition, the NRC staff recognized that much of the information needed to address the RAI letter will not be available until ongoing testing activities are completed in the future.

The agreed alternative to the 60-day response is that for units completing their outage to incorporate strainer modifications in 2006 or earlier, information needed to fully address GL 2004-02 will be provided to the NRC by December 31, 2006. For units installing strainers after 2006, information needed to fully address GL 2004-02 will be provided to the NRC within 90 days of outage completion but not later than December 31, 2007. You may choose to use this alternative approach consistent with your strainer modification schedule, or you may choose to submit a response to the RAI letter as originally requested. The NRC staff encourages you to provide the information needed to fully address the GL at the earliest feasible date in order to provide for early resolution of any issues with the responses. Licensees who provide information later may find greater difficulty in reconciling any concerns the NRC staff may have with the strainer modification plans, including the potential for additional plant modifications.

Should you choose to provide a supplement to your GL 2004-02 response in lieu of directly responding to the RAI letter, your supplemental response should (1) update the information previously provided to the NRC, (2) describe the evaluation methodology that was used to address GSI-191 concerns, (3) provide evaluation results, and (4) address plant-specific details

requested in the RAI letter. The supplemental response should fully address the issues identified in the RAI letter. The NRC staff will review your supplement or RAI responses and determine whether adequate information to support issue closure has been provided. Should that be the case, the NRC staff will consider the RAI letter to have been satisfactorily addressed. If additional information is still needed, the NRC staff will request it at that time.

If you request a license amendment in support of your sump modification(s), you will need to provide sufficient information for the NRC staff to determine the acceptability of the proposed amendment. Also, those licensees chosen for NRC audits of adequacy of the design bases for modifications to address GSI-191 may need to provide additional information to support the audits. Such information may be of the same nature as that requested in the GL 2004-02 RAIs.

The NRC's March 3, 2006, letter to NEI provides a list of current high-level NRC issues in several technical areas related to sump performance. While the NRC staff will be interacting with the industry to address these issues (and others) generically, licensees will need to address them for their plant-specific conditions as discussed in GL 2004-02.

If you would like to discuss this matter further, please contact your Project Manager or Mr. Jon Hopkins at (301) 415-3027.

Sincerely,

*/RA/*

Catherine Haney, Director  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. See Enclosure

cc: Plant Mailing Lists  
(See ADAMS No. ML060860257)

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(See ADAMS No. ML060860257)

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ADAMS ACCESSION NUMBERS: \*ML060810028 (Draft); ML060870274 (Final)

OFFICE	PSPB/BC*	LPLI-2/LA	DSS:D	NRR/DORL:D
NAME	RGramm	CRaynor	TMartin	CHaney
DATE	03/22/06	03/27/06	03/27/06	03/28/06

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**Docket and License Numbers**  
**Licensees of Pressurized-Water Reactors**

Entergy Operations, Inc.  
Arkansas Nuclear One, Units 1 and 2  
Docket Nos. 50-313 & 50-368  
License Nos. DPR-51 & NPF-6

FirstEnergy Nuclear Operating Company  
Beaver Valley Power Station, Units 1 and 2  
Docket Nos. 50-334 & 50-412  
License Nos. DPR-66 & NPF-73

Exelon Generation Company, LLC  
AmerGen Energy Company, LLC  
Braidwood Station, Units 1 and 2  
Docket Nos. 50-456 & 50-457  
License Nos. NPF-72 & NPF-77

Exelon Generation Company, LLC  
AmerGen Energy Company, LLC  
Byron Station, Units 1 and 2  
Docket Nos. 50-454 & 50-455  
License Nos. NPF-37 & NPF-66

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

Calvert Cliffs Nuclear Power Plant, Inc.  
Calvert Cliffs Nuclear Power Plant,  
Units 1 & 2  
Docket Nos. 50-317 & 50-318  
License Nos. DPR-53 & DPR-69

Duke Energy Corporation  
Catawba Nuclear Station, Units 1 and 2  
Docket Nos. 50-413 & 50-414  
License Nos. NPF-35 & NPF-52

TXU Generation Company, LP  
Comanche Peak Steam Electric Station,  
Units 1 and 2  
Docket Nos. 50-445 & 50-446  
License Nos. NPF-87 & NPF-89

Florida Power Corporation  
Crystal River Nuclear Generating Plant,  
Unit 3  
Docket No. 50-302  
License No. DPR-72

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

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

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

Southern Nuclear Operating Company, Inc.  
Joseph M. Farley Nuclear Plant,  
Units 1 and 2  
Docket Nos. 50-348 & 50-364  
License Nos. NPF-2 & NPF-8

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

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

Carolina Power & Light Company  
Shearon Harris Nuclear Power Plant, Unit 1  
Docket No. 50-400  
License No. NPF-63

Enclosure

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

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

Duke Energy Corporation  
William B. McGuire Nuclear Station,  
Units 1 and 2  
Docket Nos. 50-369 & 50-370  
License Nos. NPF-9 & NPF-17

Dominion Nuclear Connecticut, Inc.  
Millstone Power Station, Units 2 and 3  
Docket Nos. 50-336 & 50-423  
License Nos. DPR-65 & NPF-49

Dominion Nuclear Connecticut, Inc.  
Virginia Electric and Power Company  
North Anna Power Station, Units 1 and 2  
Docket Nos. 50-338 & 50-339  
License Nos. NPF-4 & NPF-7

Duke Energy Corporation  
Oconee Nuclear Station, Units 1, 2, and 3  
Docket Nos. 50-269, 50-270, & 50-287  
License Nos. DPR-38, DPR-47, & DPR-55

Nuclear Management Company, LLC  
Palisades Nuclear Plant  
Docket No. 50-255  
License No. DPR-20

Arizona Public Service Company  
Palo Verde Nuclear Generating Station,  
Units 1, 2 and 3  
Docket Nos. 50-528, 50-529 & 50-530  
License Nos. NPF-41, NPF-51 & NPF-74

Nuclear Management Company, LLC  
Point Beach Nuclear Plant, Units 1 and 2  
Docket Nos. 50-266 & 50-301  
License Nos. DPR-24 & DPR-27

Nuclear Management Company, LLC  
Prairie Island Nuclear Generating Plant,  
Units 1 and 2  
Docket Nos. 50-282 & 50-306  
License Nos. DPR-42 & DPR-60

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

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

PSEG Nuclear LLC-X15  
Salem Nuclear Generating Station,  
Units 1 & 2  
Docket Nos. 50-272 & 50-311  
License Nos. DPR-70 & DPR-75

Southern California Edison Company  
San Onofre Nuclear Station, Units 2 and 3  
Docket Nos. 50-361 & 50-362  
License Nos. NPF-10 & NPF-15

FPL Energy  
Seabrook Station, Unit 1  
Docket No. 50-443  
License No. NPF-86

Sequoyah Nuclear Plant, Units 1 and 2  
Tennessee Valley Authority  
Docket Nos. 50-327 and 50-328  
License Nos. DPR-77 and DPR-79

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

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

Dominion Nuclear Connecticut, Inc.  
Virginia Electric and Power Company  
Surry Power Station, Units 1 and 2  
Docket Nos. 50-280 & 50-281  
License Nos. DPR-32 & DPR-37  
Innsbrook Technical Center

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

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

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

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

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

Wolf Creek Nuclear Operating Corporation  
Wolf Creek Generating Station, Unit 1  
Docket No. 50-482  
License No. NPF-42