

February 28, 2005

Mr. Christopher M. Crane, President  
and Chief Nuclear Officer  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: QUAD CITIES AND DRESDEN NUCLEAR POWER STATIONS - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING ALTERNATIVE SOURCE TERM  
AMENDMENT REQUEST (TAC NOS. MB6530, MB6531, MB6532, AND MB6533)

Dear Mr. Crane:

By letter dated October 10, 2002, Exelon Generation Company (Exelon) submitted an amendment request to apply an alternative source term (AST) at Quad Cities Nuclear Power Station (Quad Cities), Units 1 and 2, and Dresden Nuclear Power Station (Dresden), Units 2 and 3. The NRC staff's continuing review of the AST amendment request has identified the need for the following additional information related to releases from a postulated main steamline break (MSLB) accident:

Provide the calculation or calculations associated with the expansion of the released reactor coolant and steam associated with a MSLB accident and the modeling of the resultant hemisphere (plume) past the Quad Cities and Dresden control room intakes. Identify the pressure and temperature conditions of the steam at the time of the assumed break.

This request for additional information (RAI) was mailed electronically to your staff on February 16, 2005. Please respond to this RAI by March 18, 2005. Please identify if you feel that this information is not needed for the Nuclear Regulatory Commission (NRC) staff to make a regulatory finding on your AST amendment request or if this information is already available to the NRC staff. Please respond to this request within 14 days of receipt of this letter.

Please contact me at 301-415-2863 if your staff has any questions about this RAI.

Sincerely,

**/RA/**

Lawrence W. Rossbach, Project Manager, Section 2  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-237, 50-249, 50-254, and 50-265

cc: See next page

February 28, 2005

Mr. Christopher M. Crane, President  
and Chief Nuclear Officer  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: QUAD CITIES AND DRESDEN NUCLEAR POWER STATIONS - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING ALTERNATIVE SOURCE TERM  
AMENDMENT REQUEST (TAC NOS. MB6530, MB6531, MB6532, AND MB6533)

Dear Mr. Crane:

By letter dated October 10, 2002, Exelon Generation Company (Exelon) submitted an amendment request to apply an alternative source term (AST) at Quad Cities Nuclear Power Station (Quad Cities), Units 1 and 2, and Dresden Nuclear Power Station (Dresden), Units 2 and 3. The NRC staff's continuing review of the AST amendment request has identified the need for the following additional information related to releases from a postulated main steamline break (MSLB) accident:

Provide the calculation or calculations associated with the expansion of the released reactor coolant and steam associated with a MSLB accident and the modeling of the resultant hemisphere (plume) past the Quad Cities and Dresden control room intakes. Identify the pressure and temperature conditions of the steam at the time of the assumed break.

This request for additional information (RAI) was mailed electronically to your staff on February 16, 2005. Please respond to this RAI by March 18, 2005. Please identify if you feel that this information is not needed for the Nuclear Regulatory Commission (NRC) staff to make a regulatory finding on your AST amendment request or if this information is already available to the NRC staff. Please respond to this request within 14 days of receipt of this letter.

Please contact me at 301-415-2863 if your staff has any questions about this RAI.

Sincerely,  
**/RA/**

Lawrence W. Rossbach, Project Manager, Section 2  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-237, 50-249, 50-254, and 50-265

cc: See next page

DISTRIBUTION:

PUBLIC	PDIII/2 R/F	GSuh	LRossbach
MBanerjee	PCoates	OGC	ACRS
MRing, RIII	RDennig	JHayes	DLPM DPR

**ADAMS Accession Number: ML050540446**

<b>OFFICE</b>	PM:PD3-2	LA:PD3-2	SC:PD3-2
<b>NAME</b>	LRossbach	PCoates	GSuh
<b>DATE</b>	2/28/05	2/28/05	2/28/05

**OFFICIAL RECORD COPY**

## Dresden and Quad Cities Nuclear Power Stations

cc:

Site Vice President - Dresden Nuclear Power Station  
Exelon Generation Company, LLC  
6500 N. Dresden Road  
Morris, IL 60450-9765

Dresden Nuclear Power Station Plant Manager  
Exelon Generation Company, LLC  
6500 N. Dresden Road  
Morris, IL 60450-9765

Regulatory Assurance Manager - Dresden  
Exelon Generation Company, LLC  
6500 N. Dresden Road  
Morris, IL 60450-9765

U.S. Nuclear Regulatory Commission  
Dresden Resident Inspectors Office  
6500 N. Dresden Road  
Morris, IL 60450-9766

Chairman  
Grundy County Board  
Administration Building  
1320 Union Street  
Morris, IL 60450

Regional Administrator  
U.S. NRC, Region III  
801 Warrenville Road  
Lisle, IL 60532-4351

Illinois Emergency Management  
Agency  
Division of Disaster Assistance &  
Preparedness  
110 East Adams Street  
Springfield, IL 62701-1109

Document Control Desk - Licensing  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Senior Vice President - Nuclear Services  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Vice President of Operations - Mid-West  
Boiling Water Reactors  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Vice President - Licensing and Regulatory  
Affairs  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Director - Licensing and Regulatory  
Affairs  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Associate General Counsel  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Manager Licensing - Dresden,  
Quad Cities and Clinton  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Site Vice President - Quad Cities Nuclear  
Power Station  
Exelon Generation Company, LLC  
22710 206th Avenue N.  
Cordova, IL 61242-9740

Quad Cities Nuclear Power Station  
Plant Manager  
Exelon Generation Company, LLC  
22710 206th Avenue N.  
Cordova, IL 61242-9740

Dresden and Quad Cities Nuclear Power Stations

cc:

Regulatory Assurance Manager - Quad  
Cities  
Exelon Generation Company, LLC  
22710 206th Avenue N.  
Cordova, IL 61242-9740

Quad Cities Resident Inspectors Office  
U.S. Nuclear Regulatory Commission  
22712 206th Avenue N.  
Cordova, IL 61242

David C. Tubbs  
MidAmerican Energy Company  
One River Center Place  
106 E. Second, P.O. Box 4350  
Davenport, IA 52808-4350

Vice President - Law and Regulatory Affairs  
MidAmerican Energy Company  
One River Center Place  
106 E. Second Street  
P.O. Box 4350  
Davenport, IA 52808

Chairman  
Rock Island County Board of Supervisors  
1504 3rd Avenue  
Rock Island County Office Bldg.  
Rock Island, IL 61201