

July 24, 2003

Mr. John Skolds, President  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: NRC STAFF RESPONSE TO ADDITIONAL INFORMATION PROVIDED BY  
EXELON GENERATION COMPANY, LLC REGARDING TRANSMISSION  
LINES TO BE INCLUDED IN THE ENVIRONMENTAL REVIEW FOR THE  
PROPOSED QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2  
LICENSE RENEWALS (TAC NOS. MB6845 AND MB6846)

Dear Mr. Skolds:

This letter documents the NRC staff response to additional information provided by Exelon Generation Company, LLC (Exelon) regarding the transmission lines included in the Environmental Report (ER) for the proposed license renewals for Quad Cities Nuclear Power Station, Units 1 and 2 (QCNPS). During the environmental site audit on March 12, 2003, the NRC staff requested that Exelon provide the basis for the transmission line analysis identified in the QCNPS license renewal ER. Exelon provided additional information in a letter dated May 14, 2003. Also, the NRC staff issued a Request for Additional Information (RAI) on May 23, 2003. Additional information was provided by Exelon during a meeting with the NRC staff in Rockville, Maryland on June 17, 2003, and Exelon provided a written response to the RAI in a letter dated July 17, 2003.

At the conclusion of the June 17, 2003, meeting, the NRC staff stated that the information provided by Exelon would be reviewed and a determination would be made regarding Exelon's proposed application of the regulations. The staff has completed its review, and has determined that Exelon's interpretation of 10 CFR 51.53(c)(3)(ii)(H) regarding electric shock from induced currents was inconsistent with the rule, its regulatory history and the associated Statement of Considerations, as well as the "Generic Environmental Impact Statement for License Renewal of Nuclear Plants", NUREG-1437. The July 17, 2003, RAI response from Exelon reflects an acceptable application of the regulation. No additional information is required.

If there are any questions regarding this letter, please contact me at (301) 415-1444.

Sincerely,  
**/RAI**

Louis L. Wheeler, Senior Project Manager  
Environmental Section  
License Renewal and Environmental Impacts Program  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Docket Nos.: 50-254 and 50-265

cc: See next page

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\* See prior concurrence

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NAME	LLWheeler*	YEdmonds*	AFernandez*	JTappert*
DATE	07/21/03	07/21/03	07/22/03	07/24/03

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Quad Cities Nuclear Power Station Units 1 and 2

cc:

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

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

William D. Leech  
Manager - Nuclear  
MidAmerican Energy Company  
P.O. Box 657  
Des Moines, IA 50303

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

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

Illinois Department of Nuclear Safety  
Office of Nuclear Facility Safety  
1035 Outer Park Drive  
Springfield, IL 62704

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  
Mid-West Operations Support  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Senior Vice President  
Mid-West Regional Operating Group  
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  
Mid-West Regional Operating Group  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Senior Counsel, Nuclear  
Mid-West Regional Operating Group  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

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

Mr. John L. Skolds, President  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Ms. Lisa Ford  
Director  
River Valley Library  
214 South Main Street  
Port Byron, IL 61275

Ms. Cathy Stone  
Reference Manager  
Davenport Public Library  
321 Main Street  
Davenport, IA 52801-1490

Ms. Sue Hebel, Director  
Cordova District Library  
402 Main Avenue  
Post Office Box 247  
Cordova, IL 61242-0247

William D. Maher  
License Renewal Environmental Lead  
Exelon Nuclear  
200 Exelon Way  
Kennett Square, PA 19348

Frederick W. Polaski  
License Renewal Manager  
Exelon Nuclear  
200 Exelon Way  
Kennett Square, PA 19348

Albert A. Fulvio  
Exelon Nuclear  
200 Exelon Way  
Kennett Square, PA 19348

DISTRIBUTION: Letter to: John Skolds, Dated: July 24, 2003

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