

April 23, 2001

Mr. Oliver D. Kingsley, President
Exelon Nuclear
Exelon Generation Company, LLC
1400 Opus Place, Suite 500
Downers Grove, IL 60515

SUBJECT: QUAD CITIES SITE-SPECIFIC WORKSHEETS FOR USE IN THE NUCLEAR
REGULATORY COMMISSION'S SIGNIFICANCE DETERMINATION PROCESS
(TAC NO. MA6544)

Dear Mr. Kingsley:

Enclosed, please find the Risk-Informed Inspection Notebook which incorporates the updated Significance Determination Process (SDP), Phase 2 Worksheets that inspectors will be using to characterize and risk-inform inspection findings. This document is one of the key implementation tools of the reactor safety SDP in the reactor oversight process. This document is publically available through the Nuclear Regulatory Commission (NRC) external website at <http://www.nrc.gov/NRC/IM/index.html> and through the NRC ADAMS system.

The 1999 Pilot Plant review effort clearly indicated that significant site-specific design and risk information was not captured in the Phase 2 Worksheets forwarded to you in December 1999. Subsequently, a site visit was conducted by the NRC to verify and update plant equipment configuration data and to collect site-specific risk information from your staff. The enclosed document reflects the results of this visit.

The enclosed Phase 2 Worksheets have incorporated much of the information we obtained during our site visit. The staff encourages further licensee comments where it is identified that the worksheets give inaccurately low significance determinations. Any comments should be forwarded to the Chief, Probabilistic Safety Assessment Branch, Nuclear Reactor Regulation (NRR). We will continue to assess SDP accuracy and update the document based on continuing experience.

While the enclosed Phase 2 Worksheets have been verified by our staff to include the site specific data, we will continue to assess its accuracy throughout implementation and update the document based on comments by our inspectors and your staff.

O. Kingsley

- 2 -

We will coordinate our efforts through your licensing or risk organizations as appropriate. If you have any questions, please contact me at 301-415-1321.

Sincerely,

/RA/

Stewart N. Bailey, Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-254 and 50-265

Enclosure: Risk-Informed Inspection Notebook
for Quad Cities Power Station

cc w/encls: See next page

O. Kingsley

- 2 -

We will coordinate our efforts through your licensing or risk organizations as appropriate. If you have any questions, please contact me at 301-415-1321.

Sincerely,

/RA/

Stewart N. Bailey, Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-254 and 50-265

Enclosure: Risk-Informed Inspection Notebook
for Quad Cities Power Station]

cc w/encls: See next page

DISTRIBUTION:

PUBLIC	ACRS	PD3 r/f	OGC
S. Bailey	A. Mendiola	C. Rosenberg	
D. Coe	P. Koltay	M. Sykes	
MRing, RIII	M. Parker, RIII	S. Burgess, RIII	

Accession No: ML011160296

Enclosure: ML011410351

OFFICE	PM:LPD3-2	LA:LPD3-2	DIPM/IIPB	SC:LPD3-2
NAME	SBailey	CRosenberg	MSykes e-mail input	AMendiola
DATE	04/20/01	04/20/01	03/12/01	04/23/01

OFFICIAL RECORD COPY

O. Kingsley
Exelon Generation Company, LLC

cc: w/enclosures

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

Exelon Generation Company, LLC
Station Manager - Quad Cities
22710 206th Avenue N.
Cordova, Illinois 61242-9740

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

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

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

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

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

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

Quad Cities Nuclear Power Station
Units 1 and 2

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

Document Control Desk-Licensing
Exelon Generation Company, LLC
1400 Opus Place, Suite 500
Downers Grove, Illinois 60515

Mr. John Skolds
Chief Operating Officer
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, Illinois 60515

Mr. John Cotton
Senior Vice President - Operation Support
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, Illinois 60515

Mr. William Bohlke
Senior Vice President - Nuclear Services
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, Illinois 60515

Mr. H. Gene Stanley
Operations Vice President
Mid-West Regional Operating Group
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, Illinois 60515

Mr. Christopher Crane
Senior Vice President
Mid-West Regional Operating Group
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, Illinois 60515

O. Kingsley
Exelon Generation Company, LLC

- 2 -

Quad Cities Nuclear Power Station
Units 1 and 2

Mr. Jeffrey Benjamin
Vice President Licensing and Regulatory
Affairs
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, Illinois 60515

Mr. R. M. Krich
Director - Licensing
Mid-West Regional Operating Group
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, Illinois 60515

Mr. Robert Helfrich
Senior Counsel, Nuclear
Mid-West Regional Operating Group
Exelon Generation Company, LLC
1400 Opus Place, Suite 900
Downers Grove, IL 60515