

November 15, 2007

MEMORANDUM TO: Cliff Munson, Acting Chief  
Plant Licensing Branch III-1  
Division of Operating Reactor Licensing

FROM: Patrick D. Milano, Senior Project Manager */RA/*  
Plant Licensing Branch III-1  
Division of Operating Reactor Licensing

SUBJECT: FORTHCOMING MEETITNG WITH DOMINION ENERGY  
KEWAUNEE, INC., CONCERNING THE CURRENT LICENSE  
AMENDMENT APPLICATION REGARDING INTERNAL  
FLOODING AT THE KEWAUNEE POWER STATION

DATE & TIME: Thursday, December 6, 2007  
9:00 a.m. – 3:30 p.m.

LOCATION: U.S. Nuclear Regulatory Commission  
Two White Flint North  
11545 Rockville Pike, Room T-2B5  
Rockville, MD 20852

PURPOSE: The purpose of this meeting is to discuss technical issues related  
to the license amendment request dated March 17, 2006,  
regarding internal flooding design basis, currently under NRC  
review for the Kewaunee Power Station.

CATEGORY 1:\* This is a Category 1 Meeting: The public is invited to observe this  
meeting and will have one or more opportunities to communicate  
with the NRC after the business portion, but before the meeting is  
adjourned.

TELECONFERENCE: Interested members of the public can participate in this meeting  
via a toll-free teleconference. For details, please call the NRC  
meeting contact.

CONTACT: Patrick Milano, NRR                      Jack Cushing  
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                 301-415-1457                                 301-415-1424

\* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings,"  
67 *Federal Register* 36920, May 28, 2002

C. Munson

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PARTICIPANTS: Participants from the NRC include members of the Office of Nuclear Reactor Regulation (NRR)

NRC (NRR)

C. Munson  
D. Harrison  
S. Jones  
J. Fair  
P. Milano  
M. Kunowski

Dominion

L. Armstrong  
J. Gausman  
T. Breene  
D. Sommers  
C. Sly  
et al.

Docket No. 50-305

Enclosure:  
Agenda

cc w/encl: See next page

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OFFICE	RES/DRA/FRB	LPL3-1/PM	LPL3-1/LA	LPL3-1/BC(A)
NAME	GTaylor	PMilano	THarris	CMunson
DATE	11/15/2007	11/15/2007	11/15/2007	11/15/2007

OFFICIAL AGENCY RECORD

Kewaunee Power Station

cc:

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## AGENDA

Meeting with Dominion Energy Kewaunee, Inc. (DEK)  
Relating to License Amendment Request to Define  
Internal Flooding Analysis Criteria  
Kewaunee Power Station  
Docket No. 50-305

December 6, 2007

<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
9:00 am	<u>Introduction</u>	NRC
9:15 am	<u>Status of Application</u> <ul style="list-style-type: none"><li>• March 2006 License Amendment Request to redefine protection from flooding<ul style="list-style-type: none"><li>→ Narrows scope of protection to non-seismic piping</li><li>→ Broadens definition of seismically-qualified piping</li><li>→ Disregards flood protection for breaks in safety system piping</li></ul></li><li>• NRC Requests for Additional Information (RAIs) in November 2006 and August 2007 to resolve concerns with scope<ul style="list-style-type: none"><li>→ Response expands position regarding seismically-qualified piping with inadequate basis</li><li>→ Dismisses pre-licensing communication regarding flood protection for undefined breaks in safety system piping (e.g., service water and component cooling water)</li></ul></li></ul>	NRC
10:00 am	<u>Flooding Scenarios and Mitigation</u> <ul style="list-style-type: none"><li>• Extent of consideration of ruptures in non-seismic piping and spray/minor leaks in safety system piping</li><li>• Scope of protected systems (all Class I SSCs or only safe shutdown systems)</li><li>• End state for flooding initiated events (cold shutdown or hot shutdown)</li><li>• Mitigation factors (size of leak, operator action, holdup volumes, and drain paths)</li></ul>	DEK
11:30 am	<u>Lunch Break</u>	

<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
1:00 pm	<u>Classification of potential flooding sources</u> <ul style="list-style-type: none"><li>• Threshold for consideration as a potential flooding source</li><li>• Need to evaluate non Seismic Class I system</li><li>• Qualification of Class II and III* piping to Operational Basis Earthquake (OBE)</li><li>• Use of Uniform Building Code Zone 1 criteria as meeting OBE loading</li><li>• Sample analyses to cover full scope of pipe configurations and loading conditions</li><li>• Analysis considers inspection frequency and uncertainties in corrosion effects</li><li>• Class III piping as a flooding source</li><li>• Cast iron piping</li><li>• Safety factor for anchors</li><li>• Factoring in buckling</li></ul>	DEK
2:30 pm	<u>Comments and Questions</u>	NRC
2:45 pm	<u>Summary and Project Planning</u>	DEK/NRC
3:30 pm	<u>Adjourn</u>	