

~~OFFICIAL USE ONLY – SECURITY-RELATED INFORMATION~~

July 2, 2008

Mr. Charles G. Pardee
Chief Nuclear Officer and
Senior Vice President
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville IL 60555

SUBJECT: BYRON STATION
SITE SPECIFIC IMPLEMENTATION OF B.5.B PHASE 2 AND 3 MITIGATING
STRATEGIES TEMPORARY INSTRUCTION INSPECTION

Dear Mr. Pardee:

In a telephone conversation on June 19, 2008, Ms. T. Hulbert, NRC Coordinator, of your staff and Mr. N. Valos, Senior Operations Engineer, of my staff made arrangements for the NRC to inspect the site specific implementation of B.5.b Phase 2 and 3 mitigating strategies at Byron Station. The inspection is planned for the week of August 25, 2008.

In order for the NRC to adequately prepare for this inspection, please furnish the documents listed in Enclosure 1 to the NRC by the week of August 11, 2008. Additionally, to facilitate the efficient conduct for this inspection, please have available on site at the beginning of the inspection the arrangements and documents listed in Enclosure 2. Ms. T. Hulbert has been advised of this request and provided with the name and address of the NRC lead inspector assigned to this inspection.

This letter contains information collections that are subject to the *Paperwork Reduction Act of 1995* (44 U.S.C. 3501 et seq.). These information collections were approved by the Office of Management and Budget, approval number 3150-0018, which expires on June 30, 2009.

Enclosure 3 Contains Sensitive Unclassified Non-Safeguards Information. Upon separation, this page is decontrolled.

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C. Pardee

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In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). However, because of the sensitive information contained in the enclosures, and in accordance with 10 CFR 2.390, a copy of this letter's enclosures will not be available for public inspection.

In order for your Byron Station staff to understand the scope and level of detail that will be reviewed, we are providing a copy of the Temporary Inspection (TI) procedure that will be used to perform this inspection. This procedure, TI-2525/171, "Verification of Site Specific Implementation of B.5.B Phase 2 and 3 Mitigating Strategies," dated February 6, 2008, attached as Enclosure 3, contains Sensitive Unclassified Non-Safeguards Information.

Thank you for your cooperation in this matter. If you have any questions regarding this inspection, please contact Mr. Nicholas Valos at 630-829-9761, or me at 630-829-9707.

Sincerely,

/RA/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50-454; 50-455
License Nos. NPF-37; NPF-66

Public Enclosures:

1. Documentation Requested Prior to the Inspection
2. Arrangements/Documents Requested to Be Available
Onsite during the Inspection Week

Nonpublic Enclosure:

3. Temporary Inspection 2515/171

See Attached Distribution

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cc w/encls 1 & 2: Site Vice President - Byron Station
Plant Manager - Byron Station
Regulatory Assurance Manager - Byron Station
Chief Operating Officer and Senior Vice President
Senior Vice President - Midwest Operations
Senior Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
Director - Licensing and Regulatory Affairs
Manager Licensing - Braidwood, Byron, and LaSalle
Associate General Counsel
Document Control Desk - Licensing
Assistant Attorney General
Illinois Emergency Management Agency
P. Schmidt, State Liaison Officer, State of Wisconsin
Chairman, Illinois Commerce Commission
B. Quigley, Byron Station

cc w/encls 1, 2, & 3: J. Klinger, State Liaison Officer,
Illinois Emergency Management Agency

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See Attached Distribution

DOCUMENT NAME: G:\DRS\Work in Progress\BYR 070208 DRS OUO OL B5b with encls 1&2.doc

☐ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☐ Non-Sensitive

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OFFICE	RIII		RIII		RIII		
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DATE	06/30/08		06/30/08		07/02/08		

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Director - Licensing and Regulatory Affairs
Manager Licensing - Braidwood, Byron, and LaSalle
Associate General Counsel
Document Control Desk - Licensing
Assistant Attorney General
Illinois Emergency Management Agency
P. Schmidt, State Liaison Officer, State of Wisconsin
Chairman, Illinois Commerce Commission
B. Quigley, Byron Station

cc w/encls 1, 2, & 3: J. Klinger, State Liaison Officer,
Illinois Emergency Management Agency

DISTRIBUTION w/encls 1 & 2:

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DOCUMENTATION REQUESTED PRIOR TO THE INSPECTION

Please provide as much as possible of the items below at least two weeks prior to the onsite inspection week. Please provide as much as possible in electronic format.

1. Copies of procedures/guidelines that were revised/generated to implement the mitigation strategies. These could be Extensive Damage Mitigation Guidelines (EDMGs), SAMGs, EOPs, AOPs, etc.
2. Matrix that shows the correlation between the mitigation strategies identified in NEI 06-12 and the site-specific procedure(s)/guideline(s) that implement the strategy.
3. Engineering evaluations/calculations that were used to verify engineering bases for the mitigation strategies.
4. Simplified flow diagrams for systems relied upon in the mitigation strategies. These could be the type used for training.
5. Simplified drawings/descriptions of modifications that were made to plant systems to implement the mitigation strategies.

Enclosure 1

**ARRANGEMENTS/DOCUMENTS REQUESTED TO BE AVAILABLE ONSITE
DURING THE INSPECTION WEEK**

1. Arrange a conference room to accommodate up to seven (7) NRC staff.
2. Site B.5.b contact person(s) should be available for the week.
3. B.5.b engineering persons(s) should be on call for questions about any engineering calculations.
4. Appropriate operations staff should be available as needed for plant walkdowns throughout the week.
5. Modification packages for any plant modifications performed as a result of B.5.b.
6. Detailed drawings (e.g., P&IDs) of systems used to implement mitigating strategies.
7. Copies of procedures/guidelines that were revised/generated to implement the mitigation strategies. These could be Extensive Damage Mitigation Guidelines (EDMGs), SAMGs, EOPs, AOPs, etc., (Same as Item 1 in Enclosure 1, except want three hard copies of these procedures/guidelines available, one for each member of the inspection team).
8. Copies of procedures used to inventory and test equipment (e.g., hoses, fittings, pumps, etc.) used in the mitigation strategies.
9. Training records/ training matrix/lesson plans related to B.5.b.
10. Copies of Memorandums of Understanding (MOUs) (e.g., with local fire departments) required to implement any mitigating strategies.
11. Copies of any evaluations performed to document that enough equipment is available to implement the mitigating strategies (e.g., enough length of fire hose or electrical cable is available based on a plant walkdown or review of drawings).

Enclosure 2