

October 3, 2006

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

SUBJECT: BRAIDWOOD STATION, UNITS 1 AND 2  
INFORMATION REQUEST FOR AN NRC BIENNIAL PERMANENT  
MODIFICATIONS AND 10 CFR 50.59 (MOD/50.59) BASELINE INSPECTION

Dear Mr. Crane:

On January 8, 2007, the NRC will begin a Modifications and 10 CFR 50.59 (MOD/50.59) baseline inspection at the Braidwood Station. This inspection will be performed in accordance with the NRC baseline Inspection Procedures IP 71111.02 and IP 71111.17. The on-site portion of the inspection will take place on January 8 - 12, 2007 and January 22 - 26, 2007.

Experience has shown that these baseline inspections are resource intensive, both for the NRC inspectors and the licensee staff. In order to minimize the inspection impact on the site, and to ensure a productive inspection for both parties, we have enclosed a request for documents needed for the inspection. These documents have been divided into three groups. The Group I documents should be sent to the Regional Office no later than December 8, 2006. The inspection team will review this information, and no later than December 15, 2006, will request specific items for review. The Group II documents will need to be sent into the Region III Office for review no later than December 29, 2006. The Group III documents contain additional items that the team will review, or need access to, beginning the first on-site day of the inspection. It is important that all of these documents are up to date and complete in order to minimize the number of additional documents requested during the preparation and/or the on-site portions of the inspection.

The lead inspector for this inspection is Mr. M. Holmberg. We understand that our regulatory contact for this inspection is Mr. M Cichon of your organization. If there are any questions about the inspection or the material requested, please contact the lead inspector at (630) 829-9748 or via e-mail at [msh@nrc.gov](mailto:msh@nrc.gov).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

***/RA by M. Holmberg Acting For/***

David E. Hills, Chief  
Engineering Branch 1  
Division of Reactor Safety

Docket Nos. 50-456; 50-457  
License Nos. NPF-72; NPF-77

Enclosure: Modification and 50.59 Inspection Document Request  
(Information for Preparation Week and Information  
Available On-site During Inspection)

cc w/encl: Site Vice President - Braidwood Station  
Plant Manager - Braidwood Station  
Regulatory Assurance Manager - Braidwood Station  
Chief Operating Officer  
Senior Vice President - Nuclear Services  
Vice President - Operations Support  
Director Licensing  
Manager Licensing - Braidwood and Byron  
Senior Counsel, Nuclear, Mid-West Regional  
Operating Group  
Document Control Desk - Licensing  
Assistant Attorney General  
Illinois Emergency Management Agency  
State Liaison Officer  
Chairman, Illinois Commerce Commission

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David E. Hills, Chief  
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Docket Nos. 50-456; 50-457  
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Enclosure: Modification and 50.59 Inspection Document Request  
(Information for Preparation Week and Information Available On-site During Inspection)

cc w/encl: Site Vice President - Braidwood Station  
Plant Manager - Braidwood Station  
Regulatory Assurance Manager - Braidwood Station  
Chief Operating Officer  
Senior Vice President - Nuclear Services  
Vice President - Operations Support  
Director Licensing  
Manager Licensing - Braidwood and Byron  
Senior Counsel, Nuclear, Mid-West Regional  
Operating Group  
Document Control Desk - Licensing  
Assistant Attorney General  
Illinois Emergency Management Agency  
State Liaison Officer  
Chairman, Illinois Commerce Commission

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INITIAL DOCUMENT REQUEST

**MODIFICATIONS AND 50.59 INSPECTION DOCUMENT REQUEST**

**Inspection Report:** 05000456; 457/2007002(DRS)

**Inspection Dates:** January 8 through January 26, 2007

**Inspection Procedures:** IP 71111.02, "Evaluation of Changes, Tests, or Experiments"  
IP 71111.17, "Permanent Plant Modifications"

**Lead Inspector:** M. Holmberg  
(630) 829-9748

***I. Information Requested for Inspection Preparation***

The following information is requested by December 8, 2006, or sooner, to facilitate the selection of specific items that will be reviewed during the preparation and on-site inspection weeks. The team will select specific items from the information requested below and submit a list to your staff by December 15, 2006. We will request that certain items be sent to the Regional Office by December 29, 2006, to support inspection preparation. We will request that the remaining items selected from the lists be available and ready for review on the first day of inspection. All requested information should cover the time frame from the last Permanent Modification inspection exit (March 18, 2005), to the present. If you have any questions regarding this information, please call the team leader as soon as possible.

- (1) List of "field complete" permanent plant modifications to systems, structures or components. (For the purpose of this inspection, permanent plant modifications include permanent: plant changes; design changes; set point changes; equivalency evaluations; suitability analyses; and commercial grade dedications.)

The list should contain the number of each document, the title, the revision (or date), and the affected system. In addition to the list, please provide a description of each modification, and a list of associated calculations, and affected procedures.

- (2) List of all 10 CFR 50.59 evaluations for completed changes to the facility involving:
- (a) calculations;
  - (b) procedure revisions;
  - (c) changes to the facility (modifications);
  - (d) non-routine operating configurations; and
  - (e) departures in methods of analyses.

## INITIAL DOCUMENT REQUEST

The list should contain the number and title of each document, a brief description of the change, and the corresponding number and type of the affected document, (i.e., the modification or procedure to which the evaluation applies). The list should NOT include any evaluations in which prior NRC approval was sought and obtained.

- (3) List of all completed changes to the facility that have been screened out of 10 CFR 50.59 as not requiring a full evaluation involving:
- (a) calculations;
  - (b) procedure revisions;
  - (c) changes to the facility (modifications);
  - (d) non-routine operating configurations; and
  - (e) departures in methods of analyses.

The list should contain the number and title of each document, a brief description of the change, and the corresponding number and type of the affected document (i.e., the modification or procedure to which the evaluation applies).

- (4) List of any completed modifications, procedure revisions, or UFSAR changes where it was determined that 10 CFR 50.59 did not apply.
- (5) List of corrective action documents, (open and closed) that address plant permanent modification or 10 CFR 50.59 issues, concerns, or processes. These documents should also include corrective action documents associated with modification, and 10 CFR 50.59 change implementation. Please provide the word searches used to identify these issues in your electronic corrective action system data bases.

The list should contain the number, title and revision (or date) of each document, the affected system and corresponding documentation (if applicable), and should be sorted in order of significance.

- (6) Copies of procedures addressing the following: modifications, design changes, set point changes, equivalency evaluations or suitability analyses, commercial grade dedications, post-modification testing, 10 CFR 50.59 evaluation and screenings, and UFSAR updates.
- (7) UFSAR updates submitted in accordance with 10 CFR 50.71(e)(4). Provide copies of the complete submittal.
- (8) Name(s) and phone numbers for the regulatory and technical contacts.
- (9) Current management and engineering organizational chart.

## INITIAL DOCUMENT REQUEST

### **II. Information Requested to be Sent to the Region III Office (M. Holmberg) by December 29, 2006 to Support Inspection Preparation.**

Copies of items selected from Section I which are needed for inspection preparation. This includes copies of supporting/associated documents such as calculations, post-modification test packages, 10 CFR 50.59 evaluations or screenings, and any corrective action documents.

### **III. Information Requested to be provided on First Day of Inspection (January 8, 2007)**

- (1) Copies of all items selected from Section I needed for the first day of inspection. This includes copies of supporting/associated documents such as calculations, post-modification test packages, 10 CFR 50.59 evaluations or screenings, and any corrective action documents.
- (2) Copies of these documents do not need to be solely available to the team as long as the inspectors have easy and unrestrained access to them.
  - (f) Updated Final Safety Analysis Report;
  - (g) Original FSAR Volumes;
  - (h) Original SER and Supplements (for Original FSAR);
  - (i) FSAR Question and Answers;
  - (j) Quality Assurance Plan;
  - (k) Technical Specifications;
  - (l) Latest IPE/PRA Report;
  - (m) Vendor Manuals; and
  - (n) The Latest 10 CFR 50.59 FSAR Update Submittal.
- (3) Please ensure that other supporting documents for the selected items have been located and are readily retrievable as the team will likely be requesting these documents during the inspections. Examples of supporting documents are:
  - (a) Drawings supporting the modifications;
  - (b) Procedures affected by the modifications; and
  - (c) UFSAR change papers generated due to a 10 CFR 50.59 evaluation.

If you have questions regarding the information requested, please contact the team leader.