

February 11, 2005

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
NOTIFICATION OF AN NRC BIENNIAL MODIFICATION AND 10 CFR 50.59
(MOD/50.59) BASELINE INSPECTION AND INFORMATION REQUEST

Dear Mr. Crane:

On March 14, 2005, the NRC will begin a Modification 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 March 14 - 18, 2005.

Experience has shown that these baseline design inspections are extremely 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 first group is necessary to ensure that the inspection team is adequately prepared for the inspection. This information should be available to the Regional Office by no later than March 2, 2005. The inspection team will review this information and, by March 9, 2005, will request specific items that should be available for review when the team arrives on site. The second group of requested documents contains additional items that the team will review, or need access to, during the inspection. Please have this information available by the first day of the on-site inspection, March 14, 2005. The third group lists information necessary to aid the inspection team in tracking issues identified as a result of the inspection. It is requested that this information be provided to the lead inspector as the information is generated during 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 onsite portions of the inspection.

The lead inspector for this inspection is Mr. Al Walker. We understand that our regulatory contact for this inspection is Mr. Scott Butler of your organization. If there are any questions about the inspection or the material requested, please contact the lead inspector at (630) 829-9728 or via e-mail at HAW@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/

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

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

Enclosure: Reactor Modification and 10 CFR 50.59 Supporting Documentation
Modification and 50.59 Inspection Document Request

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
Vice President - Licensing and Regulatory Affairs
Director Licensing
Manager Licensing - Braidwood and Byron
Senior Counsel, Nuclear, Mid-West Regional
Operating Group
Document Control Desk - Licensing
Assistant Attorney General
Illinois Department of Nuclear Safety
State Liaison Officer
Chairman, Illinois Commerce Commission

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Senior Vice President - Nuclear Services
Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
Director Licensing
Manager Licensing - Braidwood and Byron
Senior Counsel, Nuclear, Mid-West Regional
Operating Group
Document Control Desk - Licensing
Assistant Attorney General
Illinois Department of Nuclear Safety
State Liaison Officer
Chairman, Illinois Commerce Commission

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MODIFICATION AND 50.59 INSPECTION DOCUMENT REQUEST

Inspection Report: 05000456/2005006(DRS); 05000457/2005006(DRS)

Inspection Dates: March 14 - 18, 2005

Inspection Procedures: IP 71111-02, "Changes, Tests, or Experiments"
IP 71111-17, "Permanent Plant Modifications"

Lead Inspector: A. Walker, Team Leader
(630) 829-9728

Team Members: A. Dunlop, Reactor Inspector
R. Winter, Reactor Inspector
A. Dahbur, Reactor Inspector
J. Jandovitz, Observer

I. Information Requested for In-Office Preparation Week

The following information is requested by March 2, 2005, or sooner, to facilitate the selection of specific items that will be reviewed during the onsite inspection week. The team will select specific items from the information requested below and submit a list to your staff by March 9, 2005. We request that the specific items selected from these lists be available and ready for review on the first day of inspection. All requested information should cover the time frame from the last 50.59 inspection exit (September 12, 2003) to the present. If you have any questions regarding this information, please call the team leader as soon as possible. All information should be sent **electronically** if at all possible (to HAW@nrc.gov).

- (1) List of "permanent plant modifications" to risk significant 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), the affected system, and the risk significance (if at all possible). In addition to the list, please provide a brief (one paragraph) description of each modification and a list of associated calculations and affected procedures.

- (2) List of all 10 CFR 50.59 completed evaluations involving: (a) changes to the facility (modifications); (b) procedure revisions; (c) tests or non-routine operating configurations; or (d) changes to the USFAR or technical specification bases.

The list should contain the number and title of each document, 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 10 CFR 50.59 changes that have been screened out as not requiring a full evaluation involving: (a) changes to facility (modifications); (b) procedure revisions; (c) tests or non-routine operating configurations; or (d) changes to the USFAR or technical specification bases.

The list should contain the number and title of each document 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 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.

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) Name(s) and phone numbers for the regulatory and technical contacts.

II. Information Requested to be Available on First Day of Inspection (March 14, 2005)

- (1) Copies of all selected items from Section I. This includes copies of 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.
- Updated Final Safety Analysis Report;
 - Technical Specifications;
 - Latest IPE/PRA Report;
 - Vendor Manuals; and
 - 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:
- Drawings supporting the modifications;
 - Procedures affected by the modifications; and
 - UFSAR change papers generated due to a 10 CFR 50.59 evaluation.

- (4) Current management and engineering organizational chart.

III. Information Requested to be provided throughout the inspection

- (1) Copies of any corrective action documents generated as a result of the team's questions or queries during this inspection.
- (2) Copies of the list of questions submitted by the team members and the status/resolution of the information requested (provide daily during the inspection to each team member).

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