

September 28, 2005

Mr. Gary Van Middlesworth  
Site Vice-President  
Duane Arnold Energy Center  
Nuclear Management Company, LLC  
3277 DAEC Road  
Palo, IA 52324

SUBJECT: DUANE ARNOLD NUCLEAR POWER STATION  
INFORMATION REQUEST FOR AN NRC BIENNIAL PERMANENT  
MODIFICATIONS AND 10 CFR 50.59 (MOD/50.59) BASELINE INSPECTION

Dear Mr. Van Middlesworth:

On November 14, 2005, the NRC will begin a Modifications and 10 CFR 50.59 (MOD/50.59) baseline inspection at the Duane Arnold Nuclear Power 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 November 14 through November 18, 2005.

Experience has shown that these baseline 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 October 18, 2005. The inspection team will review this information and, by October 26, 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. Certain documents in Group II.(1) will be requested for review in the Regional Office the week prior to the inspection. The remaining documents should be available by the first day of the on-site inspection, November 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. Robert Daley. We understand that our regulatory contact for this inspection is Mr. Bob Murrell (319) 851-7900 of your organization. If there are any questions about the inspection or the material requested, please contact the lead inspector at (630) 829-9749 or via e-mail at [RCD@nrc.gov](mailto:RCD@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  
Engineering Branch 1  
Division of Reactor Safety

Docket No. 50-331  
License No. DPR-49

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

cc w/encl: E. Protsch, Executive Vice President - Energy Delivery, Alliant; President, IES Utilities, Inc.  
C. Anderson, Senior Vice President, Group Operations  
J. Cowan, Executive Vice President and Chief Nuclear Officer  
J. Bjorseth, Site Director  
D. Curtland, Plant Manager  
S. Catron, Manager, Regulatory Affairs  
J. Rogoff, Vice President, Counsel, & Secretary  
B. Lacy, Nuclear Asset Manager  
Chairman, Linn County Board of Supervisors  
Chairperson, Iowa Utilities Board  
The Honorable Charles W. Larson, Jr.  
Iowa State Senator  
D. Flater, Chief, Iowa Department of Public Health  
D. McGhee, Iowa Department of Public Health

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INITIAL DOCUMENT REQUEST

**MODIFICATIONS AND 50.59 INSPECTION DOCUMENT REQUEST**

**Inspection Report:** 05000311/2005013(DRS)

**Inspection Dates:** November 14 through November 18, 2005

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

**Lead Inspector:** R. Daley  
(630) 829-9749

***I. Information Requested for In-Office Preparation Week***

The following information is requested by October 18, 2005, or sooner, to facilitate the selection of specific items that will be reviewed during the on-site inspection week. The team will select specific items from the information requested below and submit a list to your staff by October 26, 2005. We will request that certain items be made available to the regional office during the week prior to the inspection. We 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 (September 2003) to the present. If you have any questions regarding this information, please call the team leader as soon as possible.

- (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 how significant the modification was to reduce risk (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) calculations; (b) procedure revisions; (c) changes to the facility (modifications); (d) non-routine operating configurations; or (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). The list should NOT include any evaluations in which prior NRC approval was sought and obtained.

## INITIAL DOCUMENT REQUEST

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

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.
- (8) Current management and engineering organizational chart.

### **II. Information Requested to be Available the Week Prior to Inspection or on First Day of Inspection (November 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.

## INITIAL DOCUMENT REQUEST

- Updated Final Safety Analysis Report;
  - Original FSAR Volumes;
  - Original SER and Supplements (for Original FSAR);
  - FSAR Question and Answers;
  - Quality Assurance Plan;
  - Technical Specifications and Bases;
  - Technical Requirements Manual;
  - 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.