January 11, 2002

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

SUBJECT: UPCOMING DUANE ARNOLD SSDI

Dear Mr. Van Middlesworth:

On March 11, 2002, an NRC team will be performing the required biennial safety system design inspection at your Duane Arnold Energy Center. This inspection will be performed in accordance with the NRC baseline inspection procedure 71111-21, Safety System Design and Performance Capability. The systems to be reviewed during this inspection are the 125v DC System and the Emergency Diesel Generator (EDG) System.

Experience has shown that these baseline design inspections are extremely resource intensive both for the NRC inspectors and the utility staff. In order to minimize the impact that the inspection has on the site and to ensure a productive inspection for both sides, we have enclosed a request for documents needed for the inspection. The documents have been divided into two groups. The first, which is primarily comprised of lists of information, is necessary in order to ensure the inspection team is adequately prepared for the inspection. This information should be provided to the Regional Office by no later than February 25, 2002. The information can be provided electronically (preferred as much as possible), by fax, or by regular mail. Alternatively, the lead inspector can make a short trip to the site to obtain the information. The inspection team will review this information during the weeks of February 25, and March 4, 2002, and will request specific items from those lists which need to be available for further review when the team arrives onsite. The second group of documents requested are those items which the team will need access to during the inspection.

In accordance with 10 CFR 2.790 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/NRC/ADAMS/index.html (the Public Electronic Reading Room).

The lead inspector for this inspection is Zelig Falevits. If there are any questions about the material requested, or the inspection, Zelig can be reached by phone at 630-829-9717, or by e-mail at zxf@nrc.gov.

Sincerely,

/RA/

Ronald N. Gardner, Chief
Electrical Engineering Branch
Division of Reactor Safety

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

Enclosure: Initial Document Request

cc w/encl: E. Protsch, Executive Vice President -
Energy Delivery, Alliant;
President, IES Utilities, Inc.
Robert G. Anderson, Plant Manager
State Liaison Officer
Chairperson, Iowa Utilities Board
The Honorable Charles W. Larson, Jr.
Iowa State Representative

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Initial Document Request

I. Information Requested Expeditiously

The following information is requested to be provided as soon as possible, but no later than February 25, 2002. All items requested apply **only** to the 125v DC System and the Emergency Diesel Generator (EDG) System.

1. List of analyses that either support or take credit for operation of the system. For each analysis, besides the number and title, include the purpose of the calculation, the date, and a technical contact. Clarify any abbreviations or acronyms and give word titles for any numbers (i.e., "residual heat removal inner containment isolation valve" rather than "RH-2301-45B")

2. List of modifications performed since plant startup. Similarly, besides the number and title, include the modification purpose, the date, a technical contact. Spell out abbreviations, or acronyms and give word titles for any numbers

3. List of setpoint changes performed, as far back as retrievable. Provide number, title, date performed, and brief description

4. List of open temporary modifications, if any

5. List of corrective action documents. Include all open documents (no matter when initiated) and any closed documents initiated within the past two years. For each condition report, besides the number and title, provide the status (open/ closed), the importance ranking, the date initiated and the date closed (if applicable)

6. List of any engineering-related operator "workarounds"

7. List of operability evaluations as far back as retrievable

8. List of correspondence to or from the NRC relating to commitments or analyses

9. List of maintenance, surveillance, and annunciator response procedures. For the surveillance procedures, provide a cross-reference which shows how each technical specification requirement is being met

10. Piping and instrument drawings (1/2 size)

11. Drawings of major components, including pumps (with flow vs discharge head curves), strainers, and heat exchangers

12. Functional block diagrams (1/2 size)

13. Electrical schematics (1/2 size)

14. Single-line and key diagrams (1/2 size)

15. Normal and abnormal operating procedures

16. System descriptions and design basis documents, if available

17. Name and phone numbers of a technical contact, a regulatory contact, and the design and system engineer(s)

II. Information Requested to be Available on First Day of Onsite Inspection

We request that the following information be available to the team once it arrives onsite. Some documents, such as the UFSAR or TS, do not need to be solely available to the team (i.e., they can be located in a reference library) as long as the team has ready access to them.

18. Updated Final Safety Analysis Report

19. Technical Specifications

20. System procedures

21. Copies of selected* calculations and analyses, modifications, temporary modifications, setpoint changes, operability evaluations, and work-around evaluations and plans for resolution. Include contact point for each item

22. Copies of selected* condition reports. For open condition reports, include documentation showing what items remain to be done. For closed items, include documentation showing what work was done. If condition reports were closed to other tracking mechanisms, include appropriate documents showing resolution of the issue.

23. Copies of any self-assessments and associated corrective action documents *generated in preparation for the inspection*

24. Copy of the pre-operational tests, including documents showing resolution of deficiencies

25. IPE/PRA report

26. Vendor manuals

27. Equipment qualification binders

28. General set of plant drawings

29. Relay logic diagrams

30. Procurement documents for major components in each system (verify retrievable)

31. Relevant operating experience information (such as vendor letters or utility experience)

32. Standards used in design on system (such as IEEE, ASME, NEMA, TEMA)

* Note: the team will make selection of specific documents to review by approximately one week prior to the inspection.