

May 21, 1993

Docket No. 50-331

Iowa Electric Light and
Power Company
ATTN: Mr. Lee Liu, President
and Chief Executive Officer
IE Towers
P. O. Box 351
Cedar Rapids, IA 52406

Dear Mr. Liu:

SUBJECT: DOCUMENTATION REQUEST TO SUPPORT THE DUANE ARNOLD ENERGY CENTER
SERVICE WATER SYSTEM OPERATIONAL PERFORMANCE INSPECTION

The purpose of this letter is to inform you of our intent to perform a limited service water system operational performance inspection (SWSOPI) at the Duane Arnold Energy Center. The onsite inspection activities are scheduled for the weeks of October 25 and November 1, 1993. The inspection team will consist of approximately 5 inspectors including the Team Leader.

The inspection will assess design, operation, maintenance, surveillance, and quality assurance and corrective actions associated with the Duane Arnold service water system. The team will also assess your actions in response to Generic Letter (GL) 89-13, "Service Water System Problems Affecting Safety Related Equipment." To accomplish its objectives, the SWSOPI team will review a broad range of information and activities for the service water system. Attachment 1 lists items that the team expects to review. The list is being provided to allow you to anticipate the team's informational needs. I request your assistance in making this information available for review during the first week of the inspection.

Region III has found system overview presentations to be an effective way for the NRC and the licensee to exchange relevant inspection information. In this regard, I request your assistance in providing a presentation of 1 hour or less on October 25 describing the service water system's design and operation, significant system modifications, GL 89-13 actions, and a system problem history. In addition, we request your assistance in providing the team a tour of the plant focusing on SWS equipment.

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Iowa Electric Light and
Power Company

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May 21, 1993

If you have any questions regarding Attachment 1 or the inspection, please contact Mr. Rolf A. Westberg (708/790-5776) of my staff.

Sincerely,

original signed by

T. O. Martin, Acting Director
Division of Reactor Safety

Attachment: As stated

cc w/attachment:

D. Wilson, Plant

Superintendent-Nuclear

K. Young, Manager,

Nuclear Licensing

OC/LFDCB

Resident Inspector, RIII

Stephen Brown, Iowa Utilities

Board

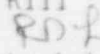
Licensing Project Mgr., NRR

bcc w/attachment: PUBLIC-IE01

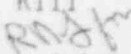

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Westberg/jk
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
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Lanksbury
05/21/93

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Wright
05/21/93

RIII


Martin
05/21/93

ATTACHMENT 1

SWSOPI INFORMATION REQUEST

1. Service water (SW) design basis and other design documents including: procurement specifications of all equipment such as pumps, heat exchangers, valves, orifices, etc.; significant design changes with associated documentation; thermal and hydraulic calculations and analyses; and summary of normal and accident heat load input to the service water system.
2. Certified pump curves (witnessed test curves).
3. Cross-sectional drawings of major SW equipment such as pumps and heat exchangers.
4. P&IDs of the service water system, its lube water system, and other interconnected and auxiliary systems.
5. SW licensing requirements and commitments, if not already in the FSAR.
6. SW analyses supporting single active failure adequacy.
7. SW flow data for system components and heat transfer data for heat exchanger/coolers for various modes.
8. SW water hammer/surge pressure protection information.
9. A list of modifications to the service water system.
10. SW all relevant documentation, analyses, implementing procedures, inspection results, etc credited for satisfying the action requested by Generic Letter 89-13 in the design area.
11. SW system operating procedures (including ultimate heat sink, traveling screens, etc.) training information for licensed/non-licensed operators including lesson plans, training text, handout material, task performance measures, etc covering system alignment, operation, and abnormal condition or emergency response.
12. SW system operating procedures (including ultimate heat sink, traveling screens, etc.) for system alignment, operation, and abnormal condition or emergency response.
13. SW system response procedures, i.e., those procedures for evaluating and responding to control room or local alarms that may lead into the above procedures.

14. All relevant documentation, analyses, implementing procedures, inspection results, etc. credited for satisfying the action requested by Generic Letter 89-13 in the operation area.
15. Preventive and corrective maintenance procedures for the SW system, its components, related instrumentation, and power supplies.
16. Vendor manuals related to SWSOPI Information Request 15.
17. Maintenance history of selected components (list to be provided) for the last 2 years.
18. SW system training information for maintenance personnel including lesson plans, training text, handout material, task performance measures, etc., covering training and qualification for skills to be used in the system (including ultimate heat sink, traveling screens, etc.).
19. A listing of the SW system maintenance backlog (corrective and preventive, outage and non-outage).
20. A listing of all SW system maintenance activities scheduled during the inspection.
21. Implementing procedures and trending information associated with the ASME Section XI Inservice Testing program for the SW pumps and valves.
22. Copies of LCO logs (from the last 2 years) or other relevant information that would provide information on system and SW component unavailability.
23. All relevant documentation, analyses, implementing procedures, inspection results, etc., credited for satisfying the action requested by Generic Letter 89-13 in the maintenance area.
24. A copy of the completed preoperational test procedure, or copy of any subsequent completed test procedure that may have superseded the preoperational test.
25. The most recent copy of completed technical specification procedures, including the integrated ESF test if applicable.

26. A comprehensive listing of programs and procedures that Point Beach credits for maintaining the condition and demonstrating the operability of the SW system (e.g., periodic inspection program for biofouling, silting, corrosion, etc.).
27. A listing of overdue SW system scheduled surveillance tasks. Include due date and date surveillance was last performed.
28. A listing of all SW system surveillance activities scheduled during the inspection period.
29. All relevant documentation, analyses, implementing procedures, inspection results, etc., credited for satisfying the action requested by Generic Letter 89-13 in the surveillance area.
30. Plant onsite review committee and offsite review committee meeting minutes for the past 6 months.
31. A list of all SW system items in the QA open item tracking system.
32. NPRDS reports and nonconformance reports related to the SW system for the last 2 years.
33. Quality verification activities related to the SW system (i.e., technical audits).
34. A listing of all SW system deficiencies (as reported in deficiency logs and condition reports).