

IES UTILITIES INC.

John F. Franz, Jr.
Vice President, Nuclear
November 10, 1994
NG-94-4104

Mr. William T. Russell, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, DC 20555

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License No: DPR-49
Request for Operating License Amendment (RTS-
257): Addition of Control Building Chiller
Operability and Surveillance Requirements
Reference: Letter, J. Franz (IESUI) to W. Russell (NRC), NG-
94-0669, dated June 30, 1994
File: A-117, X-41

Dear Mr. Russell:

In the above referenced letter, we requested an amendment to the Operating License and Technical Specifications (TS) for the Duane Arnold Energy Center (DAEC). The proposed change will add Operability Requirements, Limiting Conditions for Operation and Surveillance Requirements for the Control Building Chillers. As per our discussions with members of your staff, the purpose of this letter is to provide clarification to a statement in the safety evaluation contained in the above reference.

In the request, we state that the proposed surveillance requirement, combined with the DAEC heat exchanger testing program performed in accordance with Generic Letter 89-13, meets the intent of the Improved Standard Technical Specifications (NUREG-1433). The surveillance requirement in the Improved Standard Technical Specifications states: "Verify each (control room AC) subsystem has the capability to remove the assumed heat load." The frequency is once every 18 months. The proposed surveillance will verify that the units operate to remove the "available" heat load on a quarterly basis. Specifically, the test will consist of starting the unit, loading it with the available heat load, and operating for a nominal period of time until steady state conditions have been achieved. During the

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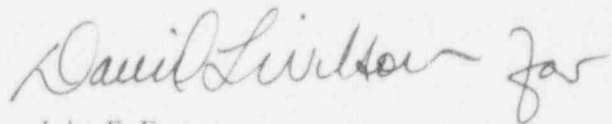
test, parameters (e.g.: oil temperature and pressure, compressor discharge pressure, and percent load) will be monitored to insure that the unit is operating properly to demonstrate operability.

In addition to the quarterly surveillance, we intend to perform an annual test to verify that the units will remove the design basis heat load in accordance with our heat exchanger monitoring program, as per Generic Letter (GL) 89-13. Specifically, the test will consist of placing a load on the units while throttling cooling water flow to the minimum requirement stated in the Updated Final Safety Analysis Report. The tests will be performed during the summer months to ensure that the cooling water is near its highest temperature for the year. The GL 89-13 testing is expected to be first performed the summer of 1995. Any changes to this proposed test will be made in accordance with guidelines of the GL 89-13 program.

Based on the above information, we conclude that the proposed amendment meets the intent of the Improved Standard Technical Specifications.

If you have any questions concerning the above, feel free to contact my office.

Sincerely

A handwritten signature in dark ink, appearing to read "John F. Franz", with a stylized flourish at the end.

John F. Franz
Vice President, Nuclear

cc: R. Murrell
L. Liu
L. Root
G. Kelly (NRC-NRR)
J. Martin (Region III)
S. Brown (State of Iowa)
NRC Resident Inspector - DAEC
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