

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 MINECK, D.L. Iowa Electric Light & Power Co.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: ETS Violation Rept 82-2; on 820115, during normal operation, control room received offgas stack sample hi/low flow alarm. Caused by worn pump vanes blocking pump rotation on sample pump 1P-247A. Pump overhauled & returned to svc.

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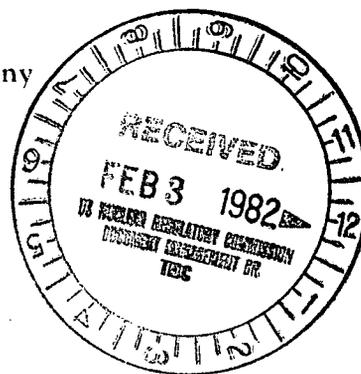
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Iowa Electric Light and Power Company
January 26, 1982
DAEC-82-40



Mr. Harold Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
1717 H. Street N.W.
Washington, D. C. 20545

Re: Duane Arnold Energy Center

Subject: Environmental Technical Specification
Violation Report 82-2

File: A-117, TE-4

Dear Mr. Denton:

This report is submitted in accordance with the requirements of Appendix B to Operating License DPR-49, Specification 3.3.1.C.1.a.

Problem

On January 15, 1982, during normal plant operation, the control room received an offgas stack sample hi/low flow alarm. A 10-hour limiting condition for operation (LCO) was entered and a normal orderly plant shutdown was initiated as required by DAEC Technical Specifications, Appendix B, Section 2.3.1.C.8, for an inoperable offgas stack radiation monitor.

Investigation

It was determined that offgas stack sample pump 1P-247A had seized due to worn pump vanes blocking pump rotation. Redundant sample pump 1P-247B had been found inoperable eight days earlier due to internal corrosion in the pump.

Corrective Action

Offgas stack sample pump 1P-247A was overhauled and returned to service. With the offgas radiation monitor once again operable, the 10-hour LCO was ended 4.3 hours into the LCO. A replacement for sample pump 1P-247B was ordered at the time 1P-247B was found inoperable and will be installed when it is received. After sample pump 1P-247A was returned to service, a low-volume grab sample pump was installed as a temporary backup to sample pump 1P-247A until pump 1P-247B is replaced.

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Mr. Harold Denton
January 26, 1982
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During the 4.3 hours that the offgas stack radiation monitor was inoperable, the radiation activity levels measured by the reactor building exhaust monitors and the offgas pre- and post-treatment monitors remained constant. In addition, the activity levels measured by the offgas stack radiation monitor before and after it was inoperable were identical. For these reasons it is assumed that the radioactivity release rate through the offgas stack remained unchanged during the 4.3 hours that the offgas stack radiation monitor was inoperable.

This report has been reviewed and approved by the DAEC Operations Committee and Safety Committee.

Very truly yours,



Daniel L. Mineck
Chief Engineer
Duane Arnold Energy Center

DLM/DMV/pl

cc: J. Keppler

U. S. Nuclear Regulatory Commission
c/o Document Management Branch
Washington, D. C. 20555 (1)

K. Eccleston

Resident NRC Inspector - DAEC