

F 7/19/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL

50-331

REC: CASE E G  
NRC

ORG: HAMMOND E L  
IA ELEC LIGHT & PWR

DOC DATE: 07/10/78  
DATE RCVD: 07/14/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT: LTR 1 ENCL 0  
ENVIRONMENTAL TECH SPEC VIOLATION REPORT 78-5 CONCERNING SAMPLE PUMP RUNNING  
BUT PRODUCING LITTLE FLOW ON 7/1/78.

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XRS  
DISTRIBUTOR INITIAL: *W*

\*\*\*\*\* DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS \*\*\*\*\*

ENVIRONMENTAL EVENT/ABNORMAL OCCURENCE  
(DISTRIBUTION CODE C003)

FOR ACTION: BR-CHIEF ORB#3 BC\*\*LTR ONLY(7)

INTERNAL:

REG FILE\*\*LTR ONLY(1)

NRC PDR\*\*LTR ONLY(1)

*I-2-E* \*\*LTR ONLY(2)

OELD\*\*LTR ONLY(1)

HANAUER\*\*LTR ONLY(1)

MIPC\*\*LTR ONLY(1)

EEB\*\*LTR ONLY(1)

L CROCKER\*\*LTR ONLY(1)

ENVIRO SPEC BR\*\*LTR ONLY(1)

EFFLUENT TREAT SYS\*\*LTR ONLY(1)

EXTERNAL:

LPDR'S

CEDAR RAPIDS, IA\*\*LTR ONLY(1)

TIC, LIZ CARTER\*\*LTR ONLY(1)

NSIC\*\*LTR ONLY(1)

ACRS CAT B\*\*LTR ONLY(1)

DISTRIBUTION: LTR 22 ENCL 0  
SIZE: 2P

CONTROL NBR: 782000086

\*\*\*\*\* THE END \*\*\*\*\*

\*\*\*\*\* *Env. 160* \*\*\*\*\*

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
July 10, 1978  
DAEC - 78 - 334

1978 JUL 14 PM 4 29  
RECEIVED  
NRC  
DISTRIBUTION SERVICES  
MAIL ROOM

Mr. Edson G. Case, Acting Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
1717 H. Street NW  
Washington, D. C. 20545

Re: Duane Arnold Energy Center  
Subject: Environmental Technical Specification  
Violation Report 78-5  
File: A-117

Dear Mr. Case:

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

## Problem

On July 1, 1978, an off-gas stack sample high/low flow alarm was received. A check revealed the sample pump was running but producing little flow.

## Investigation

The off-gas stack sample pump, 1P-247, was disassembled and found to be producing low flow due to the carbon vanes being excessively worn and broken. The plant was shut down at the time for an extended maintenance outage (see RO 78-030).

## Corrective Action

The faulty carbon vanes were replaced with like-for-like spares and the sample pump tested and returned to service. The pump was out of service for approximately 2 hours. Current plans are to install a redundant sample pump. Also, a design review of the off-gas sampling system is currently in progress to verify the adequacy of the proposed design. These actions should help preclude recurrence. During the period the sample pump was out of service the plant was shut down and there was no detectable activity being

Mr. Edson G. Case  
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released either prior to or after this period. Due to these factors no significant releases were assumed to have occurred during the period 1P-247 was not operating.

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

Very truly yours,

*Ellery L. Hammond*  
Ellery L. Hammond  
Chief Engineer  
Duane Arnold Energy Center

ELH/JVS/nf

cc: Mr. J. Keppler