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TO:

Mr. Edson G. Case

FROM:

Iowa Elect. Light & Power Co.
Cedar Rapids, Iowa 52406
Ellery L. Hammond

DATE OF DOCUMENT

09/27/77

DATE RECEIVED

09/30/77

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DESCRIPTION

Environmental Violation Report 77-5
on 09/17/77 concerning Off Gas Stack Flow
Recorder, was found to be giving an unreliable
indication due to failure of its transmitter,
DPT 4133....

2p

ENCLOSURE

PLANT NAME: DUANE ARNOLD

jcm 09/30/77

SAFETY

FOR ACTION/INFORMATION

BRANCH CHIEF: (7)

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IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351

Cedar Rapids, Iowa 52406

September 27, 1977

DAEC-77 - 492

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



50-331

Re: Duane Arnold Energy Center
Subject: Environmental Technical Specification
Violation Report 77-5
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.1a.

Problem

On September 17, 1977, during a special instrument check made as the result of a lightning storm in the vicinity of the plant, FR 4133, Off Gas Stack Flow Recorder, was found to be giving an unreliable indication.

Investigation

FR 4133 was found to be giving an unreliable indication due to the failure of its transmitter, DPT 4133. The failure was apparently the result of a lightning strike. The flow recorder was out of service from approximately 2010 hours, 9/17/77 until approximately 1625 hours 9/21/77, a period of approximately ninety two (92) hours. During the period the flow monitor was inoperable, maximum stack flow would not have resulted in exceeding 4% of Specification 2.3.1.C.1 of Appendix B.

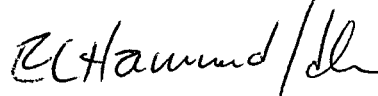
Corrective Action

The Off Gas Stack Flow for release calculation purposes was assumed to be constant during the period FR 4133 was out of service. In addition, activity levels at the stack were being recorded throughout the interval. The failed components in DPT 4133 were replaced and the transmitter calibrated, functionally tested and returned to service.

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "EL Hammond", followed by a vertical line and a flourish.

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

ELH/JVS/mg

cc: Mr. J. Keppler