

B 04/06/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-331

REC: CASE E G
NRC

ORG: HAMMOND E L
IA ELEC LIGHT & PWR

DOCDATE: 03/29/78
DATE RCVD: 03/31/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 0

ENVIRON LICENSEE EVENT REPT (RD 50 331/78-002) ON 03/20/78 CONCERNING AN
OFF-GAS SAMPLE HIGH/LOW ALARM RECEIVED, DUE TO OFF-GAS SAMPLE PUMP, 1P-247
FOUND PRODUCING LOW FLOW DUE TO CARBON VANES BEING WORN EXCESSIVELY.

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: *pl*

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

ENVIRONMENTAL EVENT/ABNORMAL OCCURENCE
(DISTRIBUTION CODE C003)

FOR ACTION: BR CHIEF ~~LEAD~~ LTR ONLY(7)

INTERNAL: REG FILE**LTR ONLY(1)
I ~~S~~ E**LTR ONLY(2)
HANAUER**LTR ONLY(1)
GRIMES**LTR ONLY(1)
BALLARD**LTR ONLY(1)

NRC PDR**LTR ONLY(1)
OELD**LTR ONLY(1)
MIPC**LTR ONLY(1)
L CROCKER**LTR ONLY(1)
J COLLINS**LTR ONLY(1)

EXTERNAL: LPDR'S
CEDAR RAPIDS, IA**LTR ONLY(1)
TIC**LTR ONLY(1)
NSIC**LTR ONLY(1)
ACRS CAT B**LTR ONLY(1)

DISTRIBUTION: LTR 22 ENCL 0
SIZE: 2P

CONTROL NBR: 780950058

***** THE END *****

Enviro
ED

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
March 29, 1978
DAEC - 78 - 190

50-331

IS NRC
DISTRIBUTION SERVICES
BRANCH

1978 MAR 31 PM 5 03

RECEIVED DISTRIBUTION
SERVICES UNIT

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 78-2

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 March 20, 1978, an off-gas stack sample high/low flow alarm was received. A check revealed that sample pump was running but very little flow was being produced.

Investigation

The off-gas stack sample pump, 1P-247, was disassembled and found to be producing low flow due to the carbon vanes being worn excessively. The plant was shut down for refueling at the time of this occurrence.

Corrective Action

All the carbon vanes in the sample pump were replaced with new like-for-like spares. The pump was reassembled, tested with satisfactory results and returned to service. A design review of the off-gas sampling system will be initiated to verify the adequacy of the current design. Additional corrective action may be initiated depending on the results of the design review. This action should help preclude reoccurrence. In addition, NRC approval of a

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Mr. Edson G. Case
Page 2
March 29, 1978

previously submitted Environmental Technical Specification change would permit temporary measures for monitoring off-gas stack flows during periods when the sample pump is out of service. The proposed Technical Specification change would avoid similar violations in the future. During the period the sample pump was out of service the plant was shut down and the standby gas treatment system was not operated. Off-gas stack release rates were approximately .03% of the Technical Specification limit before the sample pump was taken out of service and after it was returned to service. Due to these factors no significant releases were assumed to occur during the period 1P-247 was not operating.

Very truly yours,

Ellery L. Hammond

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

ELH/DLW/nf

cc: Mr. J. Keppler

Docket

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
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Mr. Edson G. Case
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Very truly yours,

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

ELH/DLW/nf

cc: Mr. J. Keppler

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

April 7, 1978

Distribution
Docket
ORB #3
SSheppard

Docket No. 50-331

U. S. Environmental Protection Agency
Region VII
ATTN: EIS COORDINATOR
1735 Baltimore Avenue
Kansas City, Missouri 64108

Subject: Duane Arnold Energy Center located in Linn County, Iowa

The following documents concerning our review of the subject facility
are transmitted for your information:

- ☐ Notice of Receipt of Application.
- ☐ Draft/Final Environmental Statement, dated _____.
- ☐ Safety Evaluation, or Supplement No. _____, dated _____.
- ☐ Notice of Hearing on Application for Construction Permit.
- ☐ Notice of Consideration of Issuance of Facility Operating License.
- ☐ Application and Safety Analysis Report, Vol. _____.
- ☐ Amendment No. _____ to Application/SAR, dated _____.
- ☐ Construction Permit No. CPPR- _____, dated _____.
- ☐ Facility Operating License No. DPR- _____, dated _____.
- ☐ Amendment No. _____ to CPPR- _____ or DRR- _____, dated _____.
- ☒ Other: Letter dtd 3/29/78 from Iowa Electric Light & Power Co.
transmitting Environ. Licensee Event Rpt. concerning an off-gas
sample high/low alarm received, due to off-gas sample pump.

Office of Nuclear Reactor Regulation

ORB #3
DOR

Enclosures:
As stated

cc: Dr. Philip F. Gustafson
Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois 60439

OFFICE ►
SURNAME ►
DATE ►

ORB #3

SSheppard:mjf

4/7/78