

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8009170352 DOC. DATE: 80/09/10 NOTARIZED: NO DOCKET #  
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH. NAME AUTHOR AFFILIATION  
 RAGER, M. Iowa Electric Light & Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Region 3, Chicago, Office of the Director

SUBJECT: LER 80-041/03L-0: on 800820, control bldg isolation damper  
 1V-AD-31A would not close, compromising operability of A  
 control bldg standby filter unit. Caused by shaft-operated  
 connector bolt falling out of linkage.

DISTRIBUTION CODE: A002S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 1+1  
 TITLE: Incident Reports

NOTES:

ACTION:	RECIPIENT ID CODE/NAME	COPIES		RECIPIENT ID CODE/NAME	COPIES	
		LITTR	ENCL		LITTR	ENCL
	IPPOLITO, T. 04	3	3			
INTERNAL:	A/D COMP&STRU06	1	1	A/D ENV TECH 07	1	1
	A/D MATL. & QU08	1	1	A/D OP REACT009	1	1
	A/D PLANT SYS10	1	1	A/D RAD PROT 11	1	1
	A/D SFTY ASSE12	1	1	A/D TECHNOLOG13	1	1
	ACC EVAL BR 14	1	1	AEOD	2	2
	ASLBP/J. HARD	1	1	AUX SYS BR 15	1	1
	CHEM ENG BR 16	1	1	CONT SYS BR 17	1	1
	CORE PERF BR 18	1	1	D/DIR, HUM FAC19	1	1
	DIR, ENGINEER I20	1	1	DIR, HUM FAC S21	1	1
	DIR, SYS INTEG22	1	1	EFF TR SYS BR23	1	1
	EMERG PREP 24	1	1	EQUIP QUAL BR25	1	1
	GEOSCIENCES 26	1	1	HUM FACT ENG 27	1	1
	HYD/GEO BR 28	1	1	I&C SYS BR 29	1	1
	I&E 05	2	2	JORDAN, E./IE	1	1
	LIC GUID BR 30	1	1	LIC QUAL BR 31	1	1
	MATL ENG BR 32	1	1	MECH ENG BR 33	1	1
	MPA	3	3	NRC PDR 02	1	1
	OP EX EVAL BR34	3	3	OR ASSESS BR 35	1	1
	POWER SYS BR 36	1	1	PROC/TST REV 37	1	1
	QA BR 38	1	1	RAD ASSESS BR39	1	1
	REACT SYS BR 40	1	1	<u>REG FILE</u> 01	1	1
	REL & RISK A 41	1	1	SFTY PROG EVA42	1	1
	SIT ANAL BR 43	1	1	STRUCT ENG BR44	1	1
	SYS INTERAC B45	1	1			
EXTERNAL:	ACRS 46	16	16	LPDR 03	1	1
	NSIC 05	1	1	TERA: DOUG MAY	1	1

SEP 18 1980

TOTAL NUMBER OF COPIES REQUIRED: LTR 75 ENCL 75

AO  
4

60

LICENSEE EVENT REPORT

CONTROL BLOCK: \_\_\_\_\_ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | I | A | D | A | C | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 5  
7 8 9 14 15 25 28 30 37 CAT 58

CON'T  
01 | REPORT SOURCE | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 3 | 1 | 7 | 0 | 8 | 2 | 0 | 8 | 0 | 3 | 0 | 1 | 9 | 1 | 0 | 8 | 0 | 9  
7 8 50 51 58 59 65 66 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)  
02 | During normal operation, Control Building Exhaust Isolation Damper 1V-AD  
03 | -31A would not close. Investigation revealed the associated operator, DO  
04 | 6107A was inoperable. This compromised the operability of the "A" contr  
05 | ol building standby filter unit. Tech. Spec. 3.10.A.1 requires both air  
06 | treatment sytems be operable anytime containment integrity is required.  
07 | The redundant standby filter unit and associated damper, 1V-AD-31A, wer  
08 | e operable. There have been no previous similar occurrences.

09 | SYSTEM CODE | S | G | 11 | CAUSE CODE | E | 12 | CAUSE SUBCODE | B | 13 | COMPONENT CODE | V | A | L | L | V | O | P | 14 | COMP. SUBCODE | J | 15 | VALVE SUBCODE | Z | 16  
7 8 9 10 11 12 13 18 19 20  
17 | LER/RO REPORT NUMBER | 8 | 0 | 21 | EVENT YEAR | 8 | 0 | 22 | SEQUENTIAL REPORT NO. | 0 | 4 | 1 | 24 | OCCURRENCE CODE | 0 | 3 | 28 | REPORT TYPE | L | 30 | REVISION NO. | 0 | 32  
18 | ACTION TAKEN | D | 18 | 33 | FUTURE ACTION | Z | 19 | 34 | EFFECT ON PLANT | Z | 20 | 35 | SHUTDOWN METHOD | Z | 21 | 36 | HOURS | 0 | 0 | 0 | 0 | 0 | 22 | 37 | ATTACHMENT SUBMITTED | N | 23 | 40 | NPRO-4 FORM SUB. | N | 24 | 42 | PRIME COMP. SUPPLIER | A | 25 | 43 | COMPONENT MANUFACTURER | H | 1 | 9 | 5 | 25 | 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)  
10 | The cause was determined to be a shaft-operated connector bolt which had  
11 | fallen out of the linkage. Damper vibration caused the bolt to back out  
12 | of the nut and linkage. The bolt was replaced. The threads were staked  
13 | to prevent recurrence. DO 6107A is a Hills McCanna damper operator, mo  
14 | del R42F00S with a Baily Positimer. No further corrective action planned

15 | FACILITY STATUS | E | 28 | 7 | 8 | 9 | % POWER | 0 | 9 | 2 | 29 | 10 | 12 | OTHER STATUS | NA | 30 | 13 | METHOD OF DISCOVERY | A | 31 | 45 | DISCOVERY DESCRIPTION | Operator observation | 32 | 46 | 80

16 | ACTIVITY RELEASED | Z | 33 | 7 | 8 | 9 | CONTENT OF RELEASE | Z | 34 | 10 | AMOUNT OF ACTIVITY | NA | 35 | 11 | LOCATION OF RELEASE | NA | 36 | 12 | 30

17 | PERSONNEL EXPOSURES NUMBER | 0 | 0 | 0 | 37 | 7 | 8 | 9 | TYPE | Z | 38 | 10 | DESCRIPTION | NA | 39 | 11 | 30

18 | PERSONNEL INJURIES NUMBER | 0 | 0 | 0 | 40 | 7 | 8 | 9 | DESCRIPTION | NA | 41 | 10 | 30

19 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 42 | 7 | 8 | 9 | DESCRIPTION | NA | 43 | 10 | 30

20 | PUBLICITY ISSUED | N | 44 | 7 | 8 | 9 | DESCRIPTION | NA | 45 | 10 | NRC USE ONLY  
68 69 80

NAME OF PREPARER: Matthew Rager PHONE: 319-851-5611  
800 9170352

LICENSEE EVENT REPORT

CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

LICENSEE CODE: I A D A C 1; LICENSE NUMBER: 00-000000-000; LICENSE TYPE: 411111; CAT 58: 4

REPORT SOURCE: L; SOCKET NUMBER: 60150103317; EVENT DATE: 082080; REPORT DATE: 0911080

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

02 During normal operation, Control Building Exhaust Isolation Damper 1V-AD-31A would not close. Investigation revealed the associated operator, DO 6107A was inoperable. This compromised the operability of the "A" control building standby filter unit. Tech. Spec. 3.10.A.1 requires both air treatment systems be operable anytime containment integrity is required. The redundant standby filter unit and associated damper, 1V-AD-31A, were inoperable. There have been no previous similar occurrences.

SYSTEM CODE: SIG; CAUSE CODE: E; CAUSE SUBCODE: B; COMPONENT CODE: VALLVOLIPI; COMP. SUBCODE: J; VALVE SUBCODE: Z; EVENT YEAR: 80; SEQUENTIAL REPORT NO.: 041; OCCURRENCE CODE: 03; REPORT TYPE: L; REVISION NO.: 0; ACTION TAKEN: D; FUTURE ACTION: Z; EFFECT ON PLANT: 7; SHUTDOWN METHOD: 7; HOURS: 000000; ATTACHMENT SUBMITTED: N; NRC-4 FORM SUB.: N; PRIME COMP. SUPPLIER: LA; COMPONENT MANUFACTURER: H11915

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

10 The cause was determined to be a shaft-operated connector bolt which had fallen out of the linkage. Damper vibration caused the bolt to back out of the nut and linkage. The bolt was replaced. The threads were staked to prevent recurrence. DO 6107A is a Hills McCanna damper operator, model R42F00S with a Bailly Positioner. No further corrective action planned.

FACILITY STATUS: E; % POWER: 092; OTHER STATUS: NA; METHOD OF DISCOVERY: A; DISCOVERY DESCRIPTION: Operator observation

ACTIVITY CONTENT RELEASED OF RELEASE: Z; AMOUNT OF ACTIVITY: NA; LOCATION OF RELEASE: NA

PERSONNEL EXPOSURES: NUMBER: 0000; TYPE: Z; DESCRIPTION: NA

PERSONNEL INJURIES: NUMBER: 0000; DESCRIPTION: NA

LOSS OF OR DAMAGE TO FACILITY: TYPE: Z; DESCRIPTION: NA

PUBLICITY ISSUED: N; DESCRIPTION: NA

NAME OF PREPARER: Matthew Rager

PHONE: 319-851-5611

8009170, 352