

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8104280452 DOC. DATE: 81/04/23 NOTARIZED: NO DOCKET #  
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH. NAME: AUTHOR AFFILIATION  
 RAGER, M.S. Iowa Electric Light & Power Co.  
 RECIP. NAME: RECIPIENT AFFILIATION  
 Region 3, Chicago, Office of the Director

SUBJECT: LER 81-014/01T-0: on 810409, relief & safety valves found to be out of spec setpoint. Cause unknown. Relief valve pilot assemblies were cleaned & reworked. Safety valves will be disassembled & reworked.

DISTRIBUTION CODE: A002S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 1+3  
 TITLE: Incident Reports

NOTES:

ACTION:	RECIPIENT ID CODE/NAME	COPIES		RECIPIENT ID CODE/NAME	COPIES	
		LTTR	ENCL		LTTR	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	ACC EVAL BR 14	1	1
	AE0D	3	3	AEOD/DMU	3	3
	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	DIR, ENGINEER120	1	1
	DIR, HUM FAC S21	1	1	DIR, SYS INTEG22	1	1
	EFF TR SYS BR23	1	1	EQUIP QUAL BR25	1	1
	GEOSCIENCES 26	1	1	I&C SYS BR 29	1	1
	I&E 05	1	1	JORDAN, E./IE	1	1
	LIC GUID BR 30	1	1	MATL ENG BR 32	1	1
	MECH ENG BR 33	1	1	NRC PDR 02	1	1
	OR ASSESS BR 35	1	1	POWER SYS BR 36	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	STRUCT ENG BR44	1	1
EXTERNAL:	ACRS 46	16	16	LPDR 03	1	1
	NSIC 05	1	1			

APR 20 1984

AD/I  
5-4

DSB

Iowa Electric Light and Power Company

April 23, 1981  
DAEC-81-257

Mr. James G. Keppler, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission - Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Subject: Licensee Event Report No. 81-014  
(14 day)

File: A-118a

Dear Mr. Keppler:

In accordance with Appendix A to Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center and Regulatory Guide 10.1, please find attached a copy of the subject Licensee Event Report. (Total of 3 copies transmitted).

Very truly yours,

Daniel L. Mineck  
Chief Engineer  
Duane Arnold Energy Center

Docket 50-331

attachment

DLM/MSR/pl

cc: Director, Office of Inspection and Enforcement (40)  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Director, Management Information and Program Control (3)  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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

NRC Resident Inspector - DAEC

PO/I  
4

APR 27 1981



DUANE ARNOLD ENERGY CENTER  
Iowa Electric Light and Power Company  
Licensee Event Report - Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: April 23, 1981

Reportable Occurrence No: 81-014

Event Description

During annual surveillance testing of safety/relief valves, four relief valves were found to have out of specification as-found setpoints. Additionally, one safety valve initially lifted at an out of tolerance value and was leaking at the completion of testing. All six main steam relief valves and one safety valve were tested. The following is a tabulation of as-found test results:

<u>Valve</u>	<u>Serial No.</u>	<u>Required Setpoint</u>	<u>As-Found Setpoint</u>
S/V	BM 8491	1240 ± 12 PSI	1310 PSI
R/V	189	1100 ± 11 PSI	1080 PSI
R/V	218	1080 ± 11 PSI	1094 PSI
R/V	226	1090 ± 11 PSI	1076 PSI
R/V	227	1110 ± 11 PSI	1090 PSI
R/V	199	1100 ± 11 PSI	1100 PSI
R/V	176	1110 ± 11 PSI	1119 PSI

The safety valve initially lifted at 1310 PSI. Subsequent tests found the valve to lift at 1253 PSI (1PSI out-of-tolerance) and then the valve lifted within Technical Specifications 2.2.1.C limits four consecutive times.

Although four relief valves were found to lift at setpoints in excess of their nameplate setpoint tolerances, there was one valve with an as-found setpoint within tolerance for each of the Technical Specifications required relief valve settings.

There have been two previous event reports submitted (See RO 78-18 and 80-10) since the installation of Target Rock model 67F-6x10 pressure relief valves in 1977. The testing was performed at Wyle Laboratories in Huntsville, Alabama while DAEC was in a normal refueling outage.

Cause Description

Cause unknown. Test facility personnel were unable to determine a definitive cause for the out-of-tolerance setpoints.

. DUANE ARNOLD ENERGY CENTER .  
Iowa Electric Light and Power Company  
Licensee Event Report - Supplemental Data  
Docket No. 050-0331

Licensee Event Report Date: April 23, 1981

Reportable Occurrence No: 81-014

Corrective Action

The relief valves were disassembled, cleaned and reworked. The valves were subsequently retested and performed satisfactorily. The relief valves are Target Rock 67F-6X10 Safety Relief Valves.

The safety valve will be disassembled and reworked prior to retesting. The safety valve is a Dresser Industries model 3800 Spring Safety Valve. The surveillance test frequency will be increased such that this valve will again be tested during the 1982 refueling outage.