

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8002190542 DOC DATE: 80/02/07 NOTARIZED: NO DOCKET #  
 FACIL:50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH.NAME AUTHOR AFFILIATION  
 ZIMMERMAN,J.C. Iowa Electric Light & Power Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 Region 3, Chicago, Office of the Director

SUBJECT: LER 80-001/01T-0: on 800124, while surveying containment  
 atmospheric dilution sys oxygen analyzers, AN-8181A sensing  
 element inoperable,

DISTRIBUTION CODE: A002S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 1+2  
 TITLE: Incident Reports

NOTES: -----

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTTR	ENCL		ID CODE/NAME	LTTR
	05 BC <b>ORB #3</b>	4	4			
INTERNAL:	<b>01 REG FILE</b>	1	1	02 NRC PDR	1	1
	09 I&E	2	2	11 MPA	3	3
	14 TA/EDO	1	1	15 NOVAK/KNIEL	1	1
	16 EEB	1	1	17 AD FOR ENGR	1	1
	18 PLANT SYS BR	1	1	19 I&C SYS BR	1	1
	20 AD PLANT SYS	1	1	22 REAC SAFT BR	1	1
	23 ENGR BR	1	1	24 KREGER	1	1
	25 PWR SYS BR	1	1	26 AD/SITE ANAL	1	1
	27 OPERA LIC BR	1	1	28 ACIDENT ANLYS	1	1
	29 AUX SYS BR	1	1	AD/ORP-DOR	1	1
	AEOD	1	1	DOUG MAY-TERA	1	1
	E JORDAN/IE	1	1	HANAUER,S.	1	1
	R IRELAND	3	3			
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	29 ACRS	16	16			

FEB 21 1980

*APL*

*60*

## LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 8 9 I A D A C 1 14 15 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 1 1 4 5 57 CAT 58

CON'T  
01 8 REPORT SOURCE 60 61 6 0 5 0 0 0 3 3 1 7 0 1 2 4 8 0 8 0 2 0 7 8 0 9  
DOCKET NUMBER 63 69 EVENT DATE 74 75 REPORT DATE 80

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 While performing daily surveillance on the containment atmospheric dilut  
03 ion system oxygen analyzers, AN-8181A sensing element was found to be fl  
04 ooded with apparent condensation from the sample line and inoperable. A  
05 t this time AN-8181B was being reiuvenated and therefore inoperable. Ope  
06 ration with both analyzers inop violates T.S. 3.7.A.6.c. No similar event  
07 reports have been submitted.

08 7 8 9

09 7 8 9  
SYSTEM CODE 9 10 S E 11  
CAUSE CODE 11 X 12  
CAUSE SUBCODE 12 X 13  
COMPONENT CODE 13 I N S T R U 14  
COMP. SUBCODE 19 E 15  
VALVE SUBCODE 20 Z 16  
EVENT YEAR 21 8 22  
SEQUENTIAL REPORT NO. 24 0 0 1 25  
OCCURRENCE CODE 27  
REPORT TYPE 30 T 31  
REVISION NO. 32 0  
ACTION TAKEN 33 E 34  
FUTURE ACTION 35 Z 36  
EFFECT ON PLANT 35 B 36  
SHUTDOWN METHOD 36 Z 37  
HOURS 37 0 0 0 9 40  
ATTACHMENT SUBMITTED 41 Y 42  
NPRD-4 FORM SUB. 42 N 43  
PRIME COMP. SUPPLIER 43 A 44  
COMPONENT MANUFACTURER 44 D 0 9 6 47

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Cause unknown. AN-8181A is manufactured by Delphi (Model No. A2A-1A1)  
11 An orderly shutdown was commenced immediately. AN-8181B was subsequent  
12 ly returned to service thus meeting the limiting conditions for operat  
13 ion. AN-8181A was subsequently repaired. Cause is considered indetermin  
14 ate.

15 7 8 9 FACILITY STATUS 10 E 28  
% POWER 10 0 8 1 29  
OTHER STATUS 30 NA  
METHOD OF DISCOVERY 45 B 31  
DISCOVERY DESCRIPTION 32 Surveillance Testing  
16 7 8 9 ACTIVITY RELEASED OF RELEASE 10 Z 33  
CONTENT 10 7 34  
AMOUNT OF ACTIVITY 35 NA  
LOCATION OF RELEASE 36 NA

17 7 8 9 PERSONNEL EXPOSURES 11 0 0 0 37  
NUMBER 11 0 0 0 37  
TYPE 12 Z 38  
DESCRIPTION 39 NA

18 7 8 9 PERSONNEL INJURIES 11 0 0 0 40  
NUMBER 11 0 0 0 40  
DESCRIPTION 41 NA

19 7 8 9 LOSS OF OR DAMAGE TO FACILITY 11 Z 42  
TYPE 11 Z 42  
DESCRIPTION 43 NA

20 7 8 9 PUBLICITY 11 N 44  
ISSUED 11 N 44  
DESCRIPTION 45 NA

8002190542

NRC USE ONLY

NAME OF PREPARER J. C. Zimmerman

PHONE: 319-851-5611

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: 2-07-80

Reportable Occurrence No: 80-001

Event Description

At 1730 on January 24, 1980 while performing daily checks on the containment atmospheric dilution system oxygen analyzers, AN-8181A was found to be inoperable due to condensation build up in the sensing element. At this time, AN-8181B was being rejuvenated, and therefore, also inoperable. Power operation with both analyzers out of service violates T.S.3.7.A.b.c. No similar event reports have been submitted.

Cause

The cause of the sensor flooding is unknown and considered indeterminate.

Corrective Action

An orderly shutdown was commenced immediately. AN-8181B was subsequently returned to service thus meeting the applicable Limiting Conditions for Operation. AN-8181A was subsequently repaired. No further corrective action is planned at this time.

17

800212034

