REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8004140369 DOC.DATE: 80/04/10 NOTARIZED: NO DOCKET: #FACIL:50=331 Duane Arnold Energy Center, Iowa: Electric Light & Pow 05000331
AUTH.NAME AUTHOR AFFILIATION

TOOKER D.W.

Iowa Electric Light & Power Co.

RECIP.NAME

NOTES:

RECIPIENT AFFILIATION

Region 3, Chicago, Office of the Director

SUBJECT: LER 80-014/01T-0:on 800402, while preparing to change out 125-volt dc battery cell, breaker between battery charger & 125-volt dc bus 1d-20, resulting in loss of control power. Caused by personnel error. Diesel auto started & sys power

NOIL9 a mark						
ACTION:	RECIPIENT ID CODE/NAME 05 BC ORB #3	COPIE LITTR 4		RECIPIENT ID CODE/NAME	COPI LTTR	
INTERNAL:	REG FILE 09 18E 14 TA/EDU 16 EEB 18 PLANT SYS BR 20 AD PLANT SYS 23 ENGR BR 25 PWR SYS BR 27 OPERA LIC BR 29 AUX SYS BR AEOD DOUG MAY-TERA JORDAN,E./IE	1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02 NRC PDR 11 MPA 15 NOVAK/KNIEL 17 AD FOR ENGR 19 I&C SYS BR 22 REAC SAFT BR 24 KREGER 26 AD/SITE ANAL 28 ACDENT ANLYS AD/ORP-DOR BERLINGER, C. HANAUER, S.	1 3 1 1 1 1 1 1 3	1 3 1 1 1 1 1 1 1 1 1 1 1 1
EXTERNAL:	03 LPDR 29 ACRS	1 16	1 16	04 NSIC	1	1

APR 17 1980

ADAT 4

61

(7-77)	LICENSEE EVENT REPORT
•	CONTROL BLOCK: The Press Print of Tyre all required information)
0 1	1 A D A C 1 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 4 57 CAT S8
CON'T	SOURCE LL 6 0 5 0 0 10 3 3 1 7 0 4 0 2 8 0 8 0 4 1 0 8 0 9 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2	While preparing to change out a 125 VDC battery cell, an electrician in-
0 3	correctly opened the breaker between battery charger and 125 VDC bus 1D-
04	20 after the battery was disconnected from the bus. This resulted in los
0 5	s of control pwr to ess. bus 1A4 and control pwr to emerg. diesel gen 1G-
0 6	[21. Worker closed brkr between the charger and 1D20. Bus 1A4 was tripped]
0 7	Lby undervoltage relays. Worker reconnected battery to 1D20 which restore
08	ed control pwr to 1G-21 which started and began supplying pwr to bus 1A4.
0 9	CODE SUBCODE S
	LER/HO EVENT YEAR REPORT NO. 17 REPORT NUMBER 21 22 23 24 26 27 28 29 30 31 31 32
	ACTION FUTURE OF PLANT SHUTDOWN HOURS (22) ATTACHMENT NPRO 1 SUPPLIER COMPONENT MANUFACTURER HOURS (22) ATTACHMENT NPRO 1 SUPPLIER COMPONENT MANUFACTURER MANUFACTURER SUPPLIER COMPONENT MANUFACTURER ACTION (27) 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
10	Personnel error Diesel gen.auto started and supplied power to 1A4. Nor
	<pre>[mal system line up was subsequently restored. The electrician will be</pre>
1 2	reinstructed to follow procedures. No similar event reports have been
13	submitted. The reactor was in a cold shutdown condition for refueling.
1 4 7 3	30
	FACILITY STATUS SPOWER OTHER STATUS OTHER STATUS OBSCOVERY OB
1 6 R	CTIVITY CONTENT ELEASED OF RELEASE AMOUNT OF ACTIVITY 35 Z 33 Z 34 NA NA NA NA NA NA NA N
	NUMBER TYPE DESCRIPTION (39) O O O O (37) Z (38) NA
	PERSONNEL INJURIES NUMBER DESCRIPTION 41) O O O 40 NA
7 8	LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION [Z] (42) NA 8004140369
2 0	PUBLICITY ISSUED DESCRIPTION 45 NRC USE ONLY NA NRC USE ONLY
7 8	9 10 69 69 80.5

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

Licensee Event Report - Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: 4-10-80

Reportable Occurrence No: 80-014

Event Description

While preparing to change out a cell in 125 VDC battery 1D2, a station electrician opened the circuit breaker between battery 1D2 and 125 VDC distribution buss 1D20. The electrician then noticed that charger 1D22, which was then powering 1D20, was carrying a load and incorrectly assumed this meant it was still charging battery 1D2. He then opened the circuit breaker between charger 1D22 and buss 1D20. This resulted in a loss of control power to essential buss 1A4 as well as all other loads being supplied by 1D20 which includes control power to standby diesel-The electrician reclosed the breaker between charger 1D22 and generator 1G-21. buss 1D20. This restored control power to essential buss 1A4 which was immediately tripped by undervoltage protection relays. The under voltage protection relays performed properly. Essential buss 1A4 supplies power to charger 1D22 so that 125 VDC bus 1D20 was again lost. Thus no control power was available so standby diesel generator 1G-21 did not start to supply power to 1A4. The electrician then reclosed the circuit breaker between battery 1D2 and buss 1D20 which restored control power to standby diesel generator 1G-21. 1G-21 then automatically started and began supplying power to 1A4. No similar licensee event reports have been submitted.

Cause Description

Personnel error.

Corrective Action

The standby diesel generator automatically started and began supplying power to essential buss 1A4. Normal system line up was subsequently restored. The station electrician will be reinstructed to follow the procedure. The plant is currently shutdown for refueling and maintenance.