

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
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 TOOKER,D.W. Iowa Electric Light & Power Co.
 RECIP.NAME 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

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NOTES: -----

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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 generator 1G-21. The electrician reclosed the breaker between charger 1D22 and 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.