NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Callaway Plant Unit 1	0 5 0 0 0 4 8 3	1 OF 0 2

TITLE (4)

Inadvertent Engineered Safety Features Actuation

EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR		SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
0 8	2	0 8	8 4	—	0 3 2	— 0 0	0 9	1 9	8 4		0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9)	4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)					
POWER LEVEL (10)	0 0 0	20.402(b)	20.405(c)	X	50.73(a)(2)(iv)	73.71(b)	
		20.405(a)(1)(i)	50.36(c)(1)		50.73(a)(2)(v)	73.71(c)	
		20.405(a)(1)(ii)	50.36(c)(2)		50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
		20.405(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)		
		20.405(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)		
		20.405(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(x)		

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Charles D. Naslund - Superintendent, I&C	AREA CODE 3 1 4 6 7 6 - 8 5 0 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X	J E	R J X	C 5 6 0	N							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

At 0246 CDT on 8/20/84, the following Engineered Safety Features (ESF) were actuated while the plant was in Mode 4: Control Room Ventilation Isolation Actuation, Containment Purge Isolation Actuation, and Fuel Building Ventilation Isolation Actuation. Upon investigation it was determined that a 15V DC power supply in an ESFAS cabinet had failed. This power supply provides power to ESFAS Cabinet Channel 1 logic circuits and its failure resulted in a fail safe actuation of the Engineered Safety Features mentioned above.

The defective power supply was replaced and the ESFAS train was returned to normal at 1020. The cause of the power supply failure is unknown. No previous failures of this power supply have been recorded; therefore, this incident is considered an isolated case.

There was no damage to plant equipment or release of radioactivity as a result of this incident. At no time did this event pose a threat to the public health or safety.

IE22
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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Callaway Plant Unit 1	0 5 0 0 0 4 8 3	8 4	— 0 3 2	— 0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

At 0246 CDT on 8/20/84, a Control Room Ventilation Isolation Signal (CRVIS), Containment Purge Isolation Signal (CPIS), and Fuel Building Ventilation Isolation Signal (FBVIS) were received and actuations initiated while the plant was in Mode 4. The Engineered Safety Features Actuation System (ESFAS) panel indicated a loss of 15V DC power. Upon investigation it was determined that a 15V DC power supply in ESFAS cabinet SA-036D had failed. This power supply provides power to ESFAS Cabinet Channel 1 logic circuits and its failure resulted in a fail safe actuation of the above mentioned safeguards. The only ESF actuations affected by the loss of this power supply are those mentioned above and the ESF equipment functioned properly upon actuation.

The defective power supply was replaced with an identical power supply and the ESFAS train was returned to normal at 1020. The cause of the failure is unknown. The 15V DC power supply (Part No. KYE-1900-1) was supplied by Consolidated Controls Corporation. No previous failures of this power supply have been recorded so this incident is therefore considered an isolated case.

There was no damage to plant equipment or release of radioactivity as a result of this incident. At no time did this event pose a threat to the public health or safety.

Previous occurrences: none

UNION ELECTRIC COMPANY
CALLAWAY PLANT

MAILING ADDRESS:
P. O. BOX 620
FULTON, MO. 65251

September 19, 1984

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

ULNRC-930

DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
FACILITY OPERATING LICENSE NPF-25
LICENSEE EVENT REPORT 84-032-00
INADVERTENT ENGINEERED SAFETY FEATURES ACTUATION

Gentlemen:

The enclosed Licensee Event Report is submitted pursuant to 10 CFR 50.73(a)(2)(iv) concerning an inadvertent Engineered Safety Feature actuation.

Steven E Miltenberger

S. E. Miltenberger
Manager, Callaway Plant

cc Jan Jack
CDN/WRR/JWK/drs
Enclosure

cc: Distribution attached

IE22
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cc distribution for ULNRC-930

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N. Date