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NRC Form 366A (5-63)	LICENSEE EVENT REPO	JATION APPROVED O	U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES. 3/31/85		
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On 1/22/85 at 1341 CST an inadvertent Control Room Ventilation Isolation Signal (CRVIS) was generated from Control Building radiation monitor GK-RE-05. All safety features actuated as designed with the plant in Mode 1 operating at 100% power.

Technicians were troubleshooting GK-RE-05 because of inaccurate readings on the Iodine channel of the radiation monitor. While troubleshooting, the high voltage power supply output cable for the Iodine channel was removed. It is believed that this caused an electrical spike on the output of the Particulate and Gaseous channel's high voltage power supplies, since they share a common 24 VAC supply. This spike on the Gaseous channel of GK-RE-05 caused a CRVIS.

GK-RE-05 had not been bypassed at the Engineered Safety Feature (ESF) cabinets prior to troubleshooting the Iodine channel. Only the Gaseous channel of the radiation monitor is designed to initiate a CRVIS. Consequently the technicians performing the work did not expect their activities to generate a CRVIS. The cause of the spurious spike is attributed to electrical noise generated in the Particulate and Gaseous channels when the power supply to the Iodine channel was disconnected.

To prevent recurrence, future work activities on process radiation equipment will be preceded by bypassing ESF channels as appropriate.

There was no damage to plant equipment or release of radioactivity as a result of this incident. Since this incident was initiated by a spurious electrical signal and not actual radiation levels, the public health and safety was not threatened at any time during the course of this incident.

Previous occurrence: LER 84-004-01

UNION ELECTRIC COMPANY CALLAWAY PLANT

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

February 21, 1985

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

ULNRC-1043

Gentlemen:

DOCKET NUMBER 50-483 CALLAWAY PLANT UNIT 1 FACILITY OPERATING LICENSE NPF-30 LICENSEE EVENT REPORT 85-006-00 INADVERTENT CONTROL ROOM VENTILATION ISOLATION SIGNAL

The enclosed Licensee Event Report is submitted pursuant to 10 CFR 50.73(a)(2)(iv) concerning an indivertent Control Room Ventilation Isolation Signal caused by a spurious radiation monitor signal.

Atum E Muthuluge

S. E. Miltenberger Manager, Callaway Plant

CDN/RCW/drs Enclosure

cc: Distribution attached

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cc distribution for ULNRC-1043

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

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NRC Resident Inspector "ssouri Public Service Commission . F. Schnell J. F. McLaughlin J. E. Davis (Z40LER) D. W. Capone/R. P. Wendling F. D. Field R. L. Powers A. C. Passwater/D. E. Shafer/D. J. Walker G. A. Hughes W. R. Robinson (QA Record) C. D. Naslund J. M. Price R. A. McAleenan L. K. Robertson (470) (NSRB) Merlin Williams, Wolf Creek SEM Chrono 3456-0021.6 3456-0260 Z40ULNRC G56.37 N. Date