



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

**REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064**

November 15, 1999

Garry L. Randolph, Vice President and
Chief Nuclear Officer
Union Electric Company
P.O. Box 620
Fulton, Missouri 65251

SUBJECT: NRC INSPECTION REPORT NO. 50-483/99-16

Dear Mr. Randolph:

This refers to the inspection conducted on October 25-29, 1999, at the Callaway Plant facility. The enclosed report presents the results of this inspection. Following the exit meeting, additional telephonic conversations were held on November 8, 1999, between management representatives of this office and representatives of your staff.

Areas examined during this inspection included portions of your physical security program. We determined that these programs were properly implemented.

Based on the results of this inspection, the NRC has determined that two Severity Level IV violations of NRC requirements occurred. These violations are being treated as noncited violations (NCVs), consistent with Section VII.B.1 of the Enforcement Policy. These NCVs are described in the subject inspection report. If you contest the violation or severity level of these NCVs, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington DC 20555-0001, with copies to the Regional Administrator, U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, the Director, Office of Enforcement, United States Nuclear Regulatory Commission, Washington, DC 20555-0001; and the NRC Resident Inspector at the Callaway Plant facility.

The material enclosed herewith contains Safeguards Information as defined by 10 CFR 73.21 and its disclosure to unauthorized individuals is prohibited by Section 147 of the Atomic Energy Act of 1954, as amended. Therefore, the material will not be placed in the Public Document Room.

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Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

/s/

Gail M. Good, Chief
Plant Support Branch
Division of Reactor Safety

Docket No.: 50-483
License No.: NPF-30

Enclosures:
NRC Inspection Report No.
50-483/99-16

cc **without Safeguards Information**
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Union Electric Company

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Elaine McNeil NRR/DRPM/SGB (MS: OWFN 12E-11)
Resident Inspector
Inspector (Schaefer)
RIV Docket File

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E-Mail report to D. Lange (DJL)
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ENCLOSURE

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

Docket No.: 50-483
License No.: NPF-30
Report No.: 50-483/99-16
Licensee: Union Electric Company
Facility: Callaway Plant
Location: Junction Highway CC and Highway O
Fulton, Missouri
Dates: October 25-29 and November 8, 1999
Inspector(s): Dennis W. Schaefer, Security Specialist, Plant Support Branch
Approved By: Gail M. Good, Chief, Plant Support Branch
Division of Reactor Safety
Attachment: Supplemental Information

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EXECUTIVE SUMMARY

Callaway Plant
NRC Inspection Report No. 50-483/99-16

This was an announced inspection of the licensee's physical security program. The areas inspected included: testing and maintenance, protected area detection aids, compensatory measures, security system power supply, security event logs, security training and qualification plans, and miscellaneous security and safeguards issues.

Plant Support

- A proper security system testing and maintenance program was conducted and documented. Timely repair of security equipment resulted in a low number of compensatory postings. The protected area detection system was well designed and maintained. All attempts by the licensee to intrude into the protected area were detected. The testing of the security backup power supply system was effective in demonstrating the capability of the system to perform its intended function. The security diesel generator was reliable and well maintained. The event logs and supporting incident reports were accurate and neat, and the security staff was correctly reporting security events. Security personnel were well trained on the program requirements. Medical examinations for security officers were well documented (Sections S2.1, S2.2, S2.4, S3.1, and S5.1).
- A violation of the contingency plan was identified for failure to maintain continuous compensatory measures of the perimeter intrusion detection system. A second violation of the security plan was identified for failure to provide an equivalent level of protection during an outage of the computer controlled intrusion detection system. The second violation included information in a related security post instruction that was inconsistent with requirements of the security plan. These two Severity Level IV violations are being treated as noncited violations, consistent with Section VII.B.1 of the NRC Enforcement Policy. The violations were entered into the licensee's corrective action system as Suggestion Occurrence Solution (SOS) Nos. 99-0431 and 99-3155 respectively (Section S2.3).

ATTACHMENT

SUPPLEMENTAL INFORMATION

PARTIAL LIST OF PERSONS CONTACTED

Licensee

G. Randolph, Vice President and Chief Nuclear Officer
J. Blosser, Manager, Operations Support
H. Bono, Supervising Engineer, Quality Assurance Regulatory Support
P. Davis, Nurse, Fitness-for-Duty
M. Evans, Superintendent, Protective Services
M. Faulkner, Superintendent, Security
K. French, Nurse, Fitness-for-Duty
G. Hughes, Acting Manager, Quality Assurance
A. Lee, Supervisor, Records Management Services
J. Kovar, Acting Supervisor, Quality Assurance Operations Support
R. Mertz, Supervisor, Access Control
M. Reidmeyer, Engineer, Quality Assurance
R. Rist, Superintendent, Administration
G. Scheperle, Auditor, Quality Assurance
M. Taylor, Manager, Nuclear Engineering

Contractors

S. Batten, Coordinator, Security Operations, Wackenhut
J. Coash, Supervisor, Security Training, Wackenhut
M. Dunbar, Project Manager, Wackenhut

NRC

J. Hanna, Resident Inspector

INSPECTION PROCEDURES USED

IP 81700 Physical Security Program for Power Reactors
IP 92700 Onsite Followup of Written Reports of Non-Routine Events at Power Reactor
Facilities

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LIST OF ITEMS OPENED CLOSED AND DISCUSSED

Items Opened

- | | | |
|----------------|-----|--|
| 50-483/9916-01 | NCV | Failure to Maintain Compensatory Measures (Section S2.3) |
| 50-483/9916-02 | NCV | Failure to Implement Adequate Compensatory Measures (Section S2.3) |

Items Closed

- | | | |
|------------------|-----|--|
| 50-483/9916-01 | NCV | Failure to Maintain Compensatory Measures (Section S2.3) |
| 50-483/9916-02 | NCV | Failure to Implement Adequate Compensatory Measures (Section S2.3) |
| 50-483/99-007-00 | LER | Failed Compensatory Security Measure (Section S8.1) |

LIST OF DOCUMENTATION REVIEWED

Safeguards Event Logs from January 1 through October 23, 1999

Safeguards Event Log Trending Report, 1998 and 1999

Composite computer listing of security officer medical examinations

Computer listing of completed training for security officers

Fitness-for-Duty Program Performance Data (6-month reports), dated February 17 and August 12, 1999

Equipment/Problem logs from January through September 1999

Testing Records

Detection Rate Tests (quarterly and power failure) for Metal Detectors

Operational Test (daily) for Metal Detectors

Operational Tests (weekly, and power failure) for Explosive Detectors

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Operational Tests (daily, weekly, and start-up) for X-Ray Machines

Alarm Tests (weekly, quarterly, and power switching) Daytime-Outside (of hatches, multiplexers, inverters, gates and security building)

Alarm Tests (weekly, quarterly, and power switching) Night Time, Auxiliary Building (of vital area doors and multiplexers)

Operational Tests (weekly and power switching) for Perimeter Microwave System

Detection Rate Tests (weekly and quarterly) for Microwave Systems

Lighting Survey Form (weekly)

Culvert Inspection Form (weekly)

Louver Inspection Form (daily)

Callaway Plant Procedures and Post Instructions

APA-ZZ-00020, "Conduct of Operations - Security," Revision 14

ETP-UB-00002, "Security Diesel Generator Load Test," Revision 0

ISL-SK-00001, "Security Tamper Switch Surveillance Test," Revision 2

SDP-SF-00002, "Operational Tests of Security Equipment," Revision 4

SDP-SF-00011, "Compensatory Measures," Revision 6

SDP-SF-00025, "Declassification of Vital Areas," Revision 02

Security Post Instruction, "Implementing, transitioning and securing from Compensatory Measures," Revision 0