

U.S. NUCLEAR REGULATORY COMMISSION

REGION IIII

Report No. 50-358/83-01(DRMS)

Docket No. 50-358

License No. CPPR-88

Licensee: Cincinnati Gas and Electric Company
139 East 4th Street
Cincinnati, OH 45201

Facility Name: Am. H. Zimmer Nuclear Power Station

Inspection At: Zimmer Site, Moscow, OH

Inspection Conducted: January 11-13, 1983

D. E. Miller
Inspector: D. E. Miller

1/25/83

L. R. Greger
Approved By: L. R. Greger, Chief
Facilities Radiation
Protection Section

1/25/83

Inspection Summary

Inspection on January 11-13, 1983 (Report No. 50-358/83-01(DRMS))

Areas Inspected: Routine, announced preoperational inspection of the radiation protection program, including organization, procedures, qualifications of rad/chem technicians, and review of a previously identified open item. The inspection involved 20 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

G. Appel, Chemist
*D. Erickson, Superintendent, Radcontrol and Chemistry Division
W. Gott, Training Coordinator
*J. Schott, Station Superintendent
*J. Wald, Director, Operations Quality Assurance

*P. Gwynn, Resident Inspector, NRC

*Denotes those present at the exit meeting.

2. General

This inspection, which began at about 1:00 p.m. on January 11, 1983, was conducted to review portions of the preoperational radiation protection program, including organization, procedures, qualifications of rad/chem technicians, and review of a previously identified open item.

3. Open Item

(Closed) Open Item (358/81-10-02): Concerning the need to revise two radiation protection procedures. Revision of Procedure RC.RPP.7.101 was previously found acceptable (358/82-09). Procedure RC.RPP.2.160 "Bioassay" has since been revised; the inspector found the revision acceptable.

4. Radiation Protection Procedures

Review of the following selected new and revised radiation protection procedures and station administrative directives was performed. No significant problems were noted during review of the following procedures.

RC.RPP.1.030	Revision 4	Receipt of Radioactive Material
RC.RPP.1.036	Revision 0	Use of DCA Superdad Digital Alarming Dosimeter
RC.RPP.1.300	Revision 5	Use of Direct-Reading Dosimeters
RC.RPP.2.009	Revision 4	Issuing Personnel Dosimetry
RC.RPP.3.212	Revision 2	MPC-Hour Determination
RC.RPP.4.176	Revision 0	Operation of the Airborne Radioactivity Leak Detection System
RC.RPP.4.223	Revision 0	Operation of the Eberline Fixed Airborne Activity Monitoring System
RC.RPP.5.068	Revision 1	Calibration of the Eberline RM-16 Radiation Monitor
RC.RPP.5.073	Revision 0	Calibration of the DCA Digital Alarming Dosimeter
RC.RPP.5.079	Revision 1	Calibration of Eberline E-520
RC.RPP.5.130	Revision 1	Calibration of the Canberra Whole Body Counter

RC.RPP.5.210	Revision 2	Calibration of the Eberline RAS-1 Air Sampler Rotameter
RC.RPP.5.223	Revision 0	Calibration of the Eberline Fixed Airborne Activity Monitoring System
RC.RPP.6.211	Revision 3	Calibration of Victoreen Condenser R-Meter
RC.RPP.7.136	Revision 0	Inspection of the 3M Air Hat
RC.RPP.8.110	Revision 2	Tool and Equipment Decontamination
RC.NP.01	Revision 1	Radiation Protection Program

Minor problems with the following procedures were noted during a previous inspection. During further review during this inspection, the inspector found that adequate corrections have been made.

RO.SAD.02	Revision 1	Dry Waste Segregation and Controls
RP.SAD.05	Revision 1	Occupational Radiation Exposure Controls
RC.RPP.5.110	Revision 3	Calibration of Eberline HFM-3 Hand and Foot Monitor
RC.RPP.5.111	Revision 2	Calibration of Eberline PMP 4B Portal Monitor

5. Rad/Chem Technician (RCT) Qualifications

The inspector reviewed the qualifications and training of senior RCTs, whom the licensee considers qualified as "responsible technicians" in accordance with ANSI N18.1-1971. Because of the varied backgrounds of individual senior RCTs, the ongoing formal and hands-on training being provided, and planned methods of providing further hands-on training, the inspector found it difficult to verify that senior RCTs, who may work backshifts and weekends without direct rad/chem supervision, will meet the ANSI requirements for "responsible technicians" at fuel load.

The inspector asked the licensee to review the ANSI N18.1-1971 requirements for technicians, and document the training and experience that has been and will be provided to senior RCTs, who will perform "responsible technician" duties, to qualify them in accordance with the ANSI standard. The licensee stated that the ANSI standard would be reviewed and necessary documentation developed. The inspector will review this documentation during a future inspection. (358/83-01-01)

6. Exit Meeting

The inspector met with licensee representatives (denoted in Section 1) at the conclusion of the inspection on January 13, 1983. The inspector summarized the scope and findings of the inspection.

In response to the inspector's comments, the licensee stated that he would document, for later inspector review, the training and hands-on experience that have been and will be provided to senior Rad/Chem Technicians before fuel load to qualify them as "responsible technicians" in accordance with ANSI N18.1-1971. (Section 5)