

U. S NUCLEAR REGULATORY COMMISSION

REGION V

Report No. 50-344/82-28

Docket No. 50-344 License No. NPF-1 Safeguards Group _____

Licensee: Portland General Electric Company

121 S. W. Salmon Street

Portland, Oregon 97204

Facility Name: Trojan

Inspection at: Rainier, Oregon

Inspection conducted: September 28 - October 1, 1982

Inspectors: *P.H. Johnson* 10/22/82
P. H. Johnson, Reactor Inspector Date Signed

Dennis J. Willett 10-22-82
D. J. Willett, Reactor Inspector Date Signed

Approved by: *R. T. Dodds* 10/22/82
R. T. Dodds, Chief Date Signed
Reactor Projects Section No. 1

Summary:

Inspection on September 28 - October 1, 1982 (Report No. 50-344/82-28)

Areas Inspected: Routine, unannounced inspection of: maintenance; quality assurance program; fire protection; follow-up on previous inspection findings; and independent inspection. The inspection involved 44 inspector-hours onsite by two NRC inspectors.

Results: In the five areas inspected, no items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

- C. P. Yundt, General Manager
- *C. A. Olmstead, Manager, Operations and Maintenance
- *R. P. Schmitt, Manager, Technical Services
- *J. D. Reid, Manager, Plant Services
 - P. A. Morton, Plant Quality Assurance Supervisor
- *M. Snook, Senior Quality Assurance/Quality Control Inspector
- *D. W. Swan, Maintenance Supervisor
- *T. O. Meek, Radiation Protection Supervisor
- *R. L. Russell, Acting Operations Supervisor
- *J. L. Dunlop, Quality Assurance Engineering Supervisor, Operations
- *H. J. Caballero, Safety Coordinator
- *J. K. Adlersebaes, Manager, Nuclear Maintenance and Construction
 - J. C. Perry, Instrument and Control Supervisor
 - T. F. Berguam, Electrical Foreman

2. Licensee Action on Previous Inspection Findings

Follow-up Item (82-10-04, Closed): Fire Brigade Training Plans. Examination of lesson plans showed that increased coverage of communications equipment and methods had been provided.

Follow-up Item (82-10-05, Closed): Fire Protection Training Records. Examination of training records for fire brigade personnel showed that necessary improvements had been implemented.

Follow-up Item (82-10-06, Closed): Fire Protection Surveillance Records. Records of fire protection surveillance and preventive maintenance completed by the Maintenance Department had been reorganized in a manner which provided for more effective updating and review.

Follow-up Item (82-10-09, Closed): Outdated Checklists in Control Room. Observations by the inspectors showed that an improved file of current procedure checklists had been provided.

Follow-up Item (Closed): Installation of Design Change for Emergency Diesel Generator Lubricating Oil System. Inspection Report 81-34 discussed review of the licensee's actions pursuant to IE Circular 80-05, including planned installation of a Request for Design Change (RDC). The inspector verified that this design change had been installed on both diesel generators.

Follow-up Item (Closed): Definition of Technical Specifications (TS) Violation. During an earlier inspection (81-34, Exit Interview) the licensee had discussed plans for possible issuance of a definition of "Technical Specifications Violation." A Plant Review Board (PRB) review guide had since been issued to provide guidance on TS violations, reporting requirements, and other PRB review items.

Follow-up Item (Closed): Procedures for Station Blackout. A letter from NRR to the licensee dated September 17, 1981, discussed the implementation of procedures dealing with station blackout situations. This was resolved by the issuance of Emergency Instruction EI-4, Loss of All A-C Power (Revision 8, July 19, 1982) and related Procedures EI-4.1, 4.2, and 4.3. An Operations Department representative stated that the new procedures had been reviewed with each operating shift by the Shift Supervisor.

3. Maintenance

A sample of 21 corrective and preventive maintenance activities were examined by the inspectors for required administrative approval, compliance with limiting conditions for operation, use of approved procedures, QC records and inspections, reportability, and assimilation of maintenance information into the equipment history. Outstanding maintenance requests (MRs) were reviewed to verify that an excessive backlog was not developing. Completed MRs were also examined to evaluate the effectiveness of the licensee's review and corrective action programs.

Maintenance Request 82-0784 was written to adjust blade angle settings for certain containment ventilation fans for the integrated leak rate test (ILRT), then return them to normal. The ILRT was postponed to 1983 after fan blade angles were changed, and the MR did not indicate that the blades had been reset to their normal position. No other MR in the associated equipment history file indicated that the blades had been reset. Cognizant maintenance and operations personnel stated that this had, in fact, been accomplished. Control room indications also showed temperatures in the reactor head area (one of the ventilation areas affected by the MR) to be in the normal range. The licensee stated that the documentation related to MR 82-0784 would be completed to reflect the as-left condition of the fans.

No violations or deviations were identified.

4. Fire Protection

The inspector reviewed the fire protection program. This examination included a review of selected documentation on a sample basis. The inspector's review included discussions with supervisors and personnel responsible for program management and implementation. The following documentation was reviewed:

- a. Administrative Order (AO) AO-10-2- "Fire Protection," Rev. 12.
- b. Plant Safety (PS) Procedure PS-4-2 "Respiratory Protection," Rev. 3.
- c. PS-3-21 - "Fire Fighting Equipment," Rev. 9.
- d. Periodic Operating Test (POT) POT-10-9 - "Fire Protection System" (Fire Door and Fire Equipment Surveillance), Rev. 2.

- e. Maintenance Procedure (MP) MP-12-9 "Fire Door Inspection," Rev. 0.
- f. Technical Specifications, 3/4.7.9 - "Penetration Fire Barrier," Amendment No. 50.
- g. Emergency Plan Procedure (EP) EP-17 - "Radiological Emergency Response Plan Implementing Procedure," Rev. 4.
- h. Branch Technical Position BTP 9.5.1 - "Fire Protection."
- i. 10 CFR 50 Appendix R - "Fire Protection Program for Nuclear Power Plants Operating Prior to January 1, 1979."
- j. 10 CFR 50.48 - "Fire Protection."
- k. 10 CFR 50 Appendix A - "Criterion 3."
- l. Fire Protection Review - PGE 1012.

During this inspection, the inspector toured areas of the facility and observed the following items:

- a. Combustible materials were properly controlled.
- b. Flammable and combustible liquid and gas usage was restricted and controlled.
- c. Housekeeping was maintained.
- d. Fire brigade equipment, including emergency breathing apparatus and protective clothing proper storage and maintenance.
- e. Hydrants, storage tanks and indicator valves were adequately protected by barriers.
- f. Yard indicator valves (PIV) and control valves were maintained in the open position.
- g. Access to suppression devices was clear.
- h. Equipment and devices indicated current inspection dates.
- i. The general condition of equipment was acceptable by visual inspection.

The inspector witnessed welding in progress and examined the area, equipment, welding permit and firewatch.

The inspector witnessed a SCBA training session being conducted using the smoke house.

The inspector noted, that two fire doors identified during a plant tour, which had minor mechanical closing problems were promptly repaired before the inspector concluded his inspection.

The inspector interviewed a member of the security force that was a fire brigade member. His knowledge of fire equipment location, responsibilities, and duties was adequate.

The inspector expressed the concern that: the radiation protection supervisor has responsibility to assure the availability and maintenance of self-contained breathing apparatus (SCBA's) - Scott Air-Packs. The Fire Protection Organization does not have its own dedicated SCBA equipment. A review of the past radiation protection usage, concurrent with; maintenance activities, SCBA training, SCBA repair, and units dedicated to the chlorine building and the emergency radiological response plan, indicate that the amount of SCBA equipment available for a fire emergency is unacceptable by current industry standards.

The licensee agreed that this could be a potential problem and has committed to administratively control and monitor the supply of SCBAs, to insure a minimum and adequate supply for fire protection use. The licensee informed the inspector that there existed a current purchase request, awaiting administrative approval, for fourteen additional SCBAs. The licensee has committed to provide details of the disposition of this purchase request by December 1, 1982. (82-28-01)

No items of noncompliance were identified.

5. Quality Assurance Program

The inspector reviewed the Quality Assurance Program for Operations. This review included the Nuclear Projects Quality Assurance Program for Operation Manual (NPQAP/O) as well as discussions with licensee personnel having responsibility for preparing implementing procedures.

The NPQAP/O manual has not changed in the past eighteen months, but the annual review has been completed and is out for comment. Revision 7 should be issued by the first of the year (1983).

No items of noncompliance or deviations were identified.

6. Independent Inspection

The inspector walked through areas of the plant to observe activities in progress, to inspect the general state of housekeeping and monitor the status of systems. No unusual fluid leaks or piping vibrations were observed. Normal personnel and radiation control practices were in effect, including the establishment of barrier controls.

No items of noncompliance or deviations were identified.

7. Exit Interview

The inspectors met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on October 1, 1982. The scope and findings of the inspection were discussed and are summarized as set forth in paragraphs 2 through 6.