

U. S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT  
REGION IV

IE Inspection Report No. 50-267/80-21

Docket No. 50-267

License No. DPR-34

Licensee: Public Service Company of Colorado  
P. O. Box 840  
Denver, Colorado 80201

Facility Name: Fort St. Vrain Nuclear Generation Station

Inspection at: Fort St. Vrain Site, Platteville, Colorado

Inspection Conducted: October 1-31, 1980

Inspectors: *L. M. Hunnicutt*  
for M. W. Dickerson, Senior Resident Reactor Inspector

10/13/80  
Date

*L. M. Hunnicutt*  
for R. E. Collins, Resident Reactor Inspector

10/13/80  
Date

Approved by: *L. M. Hunnicutt*  
for T. F. Westerman, Chief, Reactor Projects Section No. 1

10/13/80  
Date

Inspection Summary

Inspection conducted on October 1-31, 1980 (Report No. 50-267/80-21)

Areas Inspected: Routine, announced inspection of review of plant operations; followup on previous items of noncompliance; surveillance; maintenance; operational safety verification; review of periodic and special reports; and review of licensee event reports. The inspection involved 197 inspector-hours on site by two (2) NRC inspectors.

Results: With the seven (7) areas inspected, one item of noncompliance was identified (failure to comply with procedural requirements, Paragraph 3).

DETAILS1. Persons Contacted

L. Brey, QA Manager  
W. Franklin, Shift Supervisor  
C. Fuller, Reactor Engineer  
J. Gamm, Supervisor Technical Services  
E. Hill, Superintendent of Operation  
W. Hillyard, Administrative Services Manager  
R. Lamb, Electrical Supervisor  
J. Liebelt, Maintenance Supervisor  
F. Mathie, Operations Manager  
T. Orlin, Superintendent Operations QA  
G. Riegel, Shift Supervisor  
R. Wadas, Training Supervisor  
D. Warembourg, Manager Nuclear Production  
V. Wetzberger, Scheduling & QC Supervisor

The inspectors also contacted other plant personnel including reactor operators, maintenance men, electricians, technicians and administrative personnel.

2. Licensee Action on Previous Inspection Findings

(Closed) Item of Noncompliance (50-267/8015-01): Failure to adhere to requirements of RWP #2365. The corrective action specified in the licensee's response P-80320, dated July 16, 1980, has been reviewed by the inspector.

(Closed) Item of Noncompliance (50-267/8018-01): Recorder ZR-1233-1 not working and no PRT written. A PTR was issued and the recorder repaired. A memo was also issued to all involved personnel stating that further occurrences of this type would result in disciplinary action.

3. Operational Safety Verification

The inspector reviewed licensee activities to ascertain the facility is being operated safely and in conformance with regulatory requirements, and the licensee's management control system is effectively discharging its responsibilities for continued safe operation. The review was conducted by direct observation of activities, tours of the facilities, interviews and discussions with licensee personnel, independent verification of safety system status and limiting conditions for operations, and review of facility records.

Included in the inspection were observation of control room activities review of operational logs, records, and tours of accessible areas. Logs and records reviewed included:

- . Shift Supervisor Logs
- . Reactor Operator Logs
- . Equipment Operator Logs
- . Auxiliary Operator Logs
- . Technical Specification Compliance Logs
- . Operations Order Book
- . System Status Log
- . Form 1 Log (Jumper Log)
- . Plant Trouble Reports

During tours of accessible areas, particular attention was directed to the following:

- . Monitoring Instrumentation
- . Radiation Controls
- . Housekeeping
- . Fluid Leaks
- . Piping Vibrations
- . Hanger/Seismic Restraints
- . Clearance Tags
- . Fire Hazards
- . Control Room Manning
- . Annunciators

The operability of selected systems or portions of systems were verified by walkdown of the accessible portions. Observed was the Emergency Feedwater and Condensate System. Procedures were also reviewed and implementation observed for Liquid Waste Release #410. The release was made in a satisfactory manner.

During a plant tour on October 27, 1980 at 10:46 a.m., seals were found missing from valves V-2212 and V-2213, Steam Water Dump Isolation Valves for Loop 1, although the valves were in the open position as required by Overall Plant Operating Procedure I (OPOP I). This procedure contains the sealed valve checklist in Section B.31 which requires certain valves to be sealed in position prior to plant startup. This checklist had last been completed on September 24, 1980 and no reason for a change is known to have occurred. The plant power level at the time the missing seals were discovered was approximately 4%. The licensee replaced the seals upon notification.

Technical Specification AC 7.4.a requires in part that "Written procedures shall be established, implemented and maintained. . .," and OPOP I, section B, requires that certain valves be locked in position prior to plant startup. Section B.21.b contains the sealed valve list for System 22 (Secondary Coolant System). Contrary to these requirements the valves noted were found not sealed. The failure to fulfill these requirements were discussed with the licensee at which time it was pointed out that this was an apparent item of noncompliance (8012-1).

The inspector had no additional questions in this area.

#### 4. Maintenance (Monthly)

The inspector reviewed records and observed work in progress to ascertain that the following maintenance activities were being conducted in accordance with approved procedures, Technical Specifications and Appropriate Codes and Standards.

PTR 10-392	Auxiliary Boiler Room Fire Alarm
PTR 10-417	)
PTR 10-418	)
PTR 10-419	)
PTR 10-420	) Replace 4-Bolt Flange O-Rings on System 91, Hydraulic
PTR 10-421	) System
PTR 10-422	)
PTR 10-423	)
PTR 8-128	Repair Bypass Valve HV-3113-3

No items of noncompliance or deviations were identified.

#### 5. Surveillance (Monthly)

The inspector reviewed all aspects of surveillance testing involving safety-related systems. The review included observation and review relative to Technical Specification requirements. The surveillance tests reviewed and observed were:

SR 5.4.1.2.7 c-M Superheat Header Temperature Test

SR 5.4.1.3.6 b-M, Circulator Seal Malfunction Test

SR 5.4.1.3.2 c-M, Feedwater Flow Test

SR 5.4.1.2.4 a-M, Circulator iC and iD Tripped Test

SR 5.4.1.2.3 a-M, Circulator iA and iB Tripped Test

No items on noncompliance or deviations were identified.

#### 6. Report Reviews

The inspector reviewed the September 1980, Monthly Operating Information Report.

No items of noncompliance or deviations were identified.

#### 7. Review of Plant Operations

The inspector attended training lectures provided to the Physical Security personnel and verified that the lesson plan objectives and schedule were being met.

No items of noncompliance or deviations were identified.

#### 8. Review of Licensee Event Reports

The inspector reviewed licensee event reporting activities to verify that they were in accordance with Technical Specification, Section 7, including identification details, corrective action, review and evaluation of aspects relative to operations and accuracy of reporting.

The following reports were reviewed by the inspector:

78-30	80-42
80-03	80-43
80-36	80-44
80-39	80-48

No items of noncompliance or deviations were identified.

#### 9. Exit Interviews

Exit interviews were conducted at the end of various segments of this inspection with Mr. D. Warembourg (Manager, Nuclear Production) and/or other members of the Public Service Company staff. At the interviews, the inspector discussed the findings indicated in the previous paragraphs. The licensee acknowledged these findings.