

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

REGION IV

Report No. 50-556/79-04; 50-557/79-04

Docket No. 50-556; 50-557

Category A1

Licensee: Public Service Company of Oklahoma
Box 201
Tulsa, Oklahoma

Facility Name: Black Fox Station, Units 1 & 2

Inspection at: Black Fox Station and Tulsa

Inspection conducted: October 2-5, 1979

Inspector: *W. G. Hubacek*
W. G. Hubacek, Reactor Inspector, Projects Section

10/15/79
Date

Approved: *W. A. Crossman*
W. A. Crossman, Chief, Projects Section

10/12/79
Date

Inspection Summary:

Inspection on October 2-5, 1979 (Report No. 50-556/79-04; 50-557/79-04)

Areas Inspected: Routine, unannounced inspection to observe construction activities; review construction status; review vendor surveillance and site QA audit activities; and review status of the development of PSO's ASME Section III certification program. The inspection involved twenty-eight inspector-hours by one NRC inspector.

Results: Of the four areas inspected, one deviation was identified in one area (deviation - use of unapproved form for documenting preventive maintenance - paragraph 2).

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DETAILS

1. Persons Contacted

Principal Applicant Employees

- *T. N. Ewing, Manager BFS Project
- *G. W. Muench, Manager BFS Construction & Engineering
- *J. B. Perez, Manager, Quality Assurance
- *H. H. Eller, Site Quality Assurance Superintendent
- *M. W. Johnson, Senior QA Engineer
- G. W. Geren, Senior QA Engineer
- *D. E. Kyler, Superintendent, BFS Material
- R. J. Kime, Manager, BFS Construction
- *J. L. Haynes, Superintendent, Quality Control
- *J. Angle, BFS Construction Superintendent
- W. J. Kropp, Procurement Quality Assurance Supervisor
- K. D. Manning, Material Control Coordinator
- R. D. Smithers, Supervisor, Quality Surveillance

The IE inspector also contacted other applicant and contractor employees including members of the QA/QC and construction staffs.

*Denotes those attending the exit interview.

2. Site Tour

The IE inspector toured the site to observe construction activities and to inspect storage of materials. Areas toured included the Administration Building, testing laboratory facilities, warehouse and laydown areas, the large slip and the excavation for Units 1 and 2.

The IE inspector observed that the seal slab has been placed in the Unit 1 excavation and the Unit 2 excavation has been extended approximately ten feet in depth to reach competent rock. The applicant informed the IE inspector that placement of fill concrete in the Unit 2 overexcavation is awaiting action by NRR. It is estimated that the overexcavation will require approximately 22,000 cubic yards of fill concrete.

During the tour of the warehouse storage area, the IE inspector observed that a 16 inch gate valve (MPL No. E 22F001) had attached to it a "Preventative Maintenance Record" which prescribed maintenance to be performed on the valve while in storage. During discussions of maintenance requirements specified on the "Preventative Maintenance Record," the IE inspector was informed that the record was not approved but was informally substituted and implemented in place of Form B-3038 which is prescribed by Procedure FPPM 4.8, "Storage and Preservation of Material and Equipment," Revision 1, September 13, 1979.

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The IE inspector informed the applicant that use of the unapproved form is considered a deviation from commitments made in Section 17D.1.5 of the BFS PSAR and Procedure FPPM 4.8.

3. Review of Source Surveillance Activities

During review of source surveillance activities, the IE inspector was informed that PSO has signed a contract with Brown & Root, Inc. to provide QA support services for vendor surveillance for the BFS project. Brown & Root presently has three representatives at the PSO office, including the Project Manager, with another individual to report later this month. The Brown & Root personnel will perform surveillance in accordance with PSO procedures. The QA support services contract is expected to provide added flexibility in meeting changing vendor surveillance requirements during the course of the project.

The IE inspector also reviewed records related to source surveillances performed at Armco Steel, Chicago Bridge and Iron, and Lakeside Bridge and Steel.

No deviations were identified.

4. Review of Site QA Audits

The IE inspector reviewed site QA audit records to ascertain whether audits were performed and records maintained in accordance with Procedure QFPM 11.01, "Site Quality Assurance Audit Program," Revision 2. The following audits were reviewed:

CS79-01, audit of Field Project Management (FPM) implementation of process and document control procedures, performed January 16-23, 1979.

CS79-02, audit of FPM procurement, performed January 30-31, 1979, and February 1-2, 5-6, 12 and 14, 1979.

CS79-03, audit of FPM organization, planning and training, performed February 27-28, 1979, and March 1-2, 1979.

CS79-04, audit of Black & Veatch site engineering activities, performed March 27-29, 1979.

CS79-05, audit of Anchor Concrete QA Program implementation and process control, performed April 24-27, 1979.

CS79-06, audit of U. S. Testing Company QA program implementation and process control, performed May 22-24, 1979.

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CS79-07, audit of FPM process control, performed June 21-27, 1979.

CS79-08, audit of J. A. Jones receiving inspection and material control, performed July 31 - August 7, 1979.

CS79-09, audit of FPM organization, planning and training, performed August 21-24, 1979.

The audits were performed and documented in accordance with the requirements of Procedure QFPM 11.01.

No deviations were identified.

5. ASME Section III Certification

PSO has engaged the services of a consultant in developing their ASME Section III Certification Program for the BFS project. Program development activities are in progress including the preparation of the PSO ASME QA manual. A tentative schedule of activities has been prepared which culminates in an ASME survey in June 1980.

No deviations were identified.

6. Exit Interview

The IE inspector met with applicant representatives (denoted in paragraph 1) at the conclusion of the inspection on October 5, 1979. The IE inspector summarized the purpose and scope of the inspection and the findings. An applicant representative acknowledged the findings concerning the deviation.

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