

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 84-14

Docket No. 50-334

License No. DPR-66 Priority - Category C

Licensee: Duquesne Light Company

Post Office Box 4

Shippingport, Pennsylvania 15077

Facility Name: Beaver Valley Power Station, Unit #1

Inspection At: Shippingport, Pennsylvania

Inspection Conducted: May 29 - June 1, 1984

Inspectors: A. G. Vardola for
L. Narrow, Lead Reactor Engineer

6/15/84
date

Approved by: A. G. Vardola for
J. P. Durr, Chief
Materials and Processes Section

6/15/84
date

Inspection Summary: Inspection during May 29 - June 1, 1984 (Report No. 50-334/84-14)

Areas Inspected: Routine unannounced inspection by one region based inspector of the snubber surveillance and test program and the ISI program for other hangers and supports. The inspection involved 25 hours of direct inspection effort on site.

Results: No violations were identified.

8407100687 840615
PDR ADCK 05000334
G PDR

DETAILS

1.0 Persons Contacted

Duquesne Light Company (DLC)

J. Hanevich, Maintenance, NOE
R. Hansen, Station Maintenance Supervisor
F. J. Lipenick, Senior Compliance Engineer
M. A. Pergar, Q C Engineer
J. D. Sieber, General Manager, Nuclear Services

U. S. Nuclear Regulatory Commission (NRC)

W. M. Troskoski, Senior Resident Inspector
D. M. Johnson, Resident Inspector

* All of the above were present at the exit meeting

2.0 ISI Program for Snubbers Hangers and Supports

Operations Quality Control (OQC) is responsible for overall coordination of this program which is conducted in accordance with ASME Section XI, 1974 edition through Summer 1975 Addenda; and the surveillance requirements of the Technical specifications OQC activities are conducted in accordance with QC Procedure No. ISI 1.0, " Inservice Inspection Program". ISI of snubbers, hangers and supports consist of three distinct programs.

- a snubber surveillance and test program conducted by OQC and Maintenance,
- an ISI program for visual examination of ASME Class 3 hangers and supports conducted by OQC, and
- inspection of ASME Class 1 and 2 hangers and supports which is included in the overall ISI program of piping, pressure vessels and supports, and which is conducted by a subcontractor, Westinghouse Electric Corporation, Nuclear Service Division, (WNSD) in accordance with a ten-year plan prepared by the subcontractor.

The inspector discussed the ISI program with OQC and maintenance personnel; reviewed OQC inservice inspection and visual examination procedures; and reviewed maintenance procedures for removal and installation, testing and surveillance of snubbers.

3.0 Snubber Surveillance Program

Pipe snubbers are primarily ITT-Grinnell (ITT) hydraulic type with a small number of Pacific Scientific (PSA) mechanical snubbers also installed. Bergen-Paterson (B-P) hydraulic snubbers are installed on the steam generator and primary coolant purry supports.

The surveillance program has been established to demonstrate operability as required by the technical specifications. It is conducted in accordance with Maintenance Surveillance Procedure MSP 45.22, "Snubber Maintenance and Inspection Administrative Procedure". The program consists of a visual inspection of all snubbers at 18-month intervals, or shorter if inoperable snubbers are identified as well as functional tests on a sampling bases. Sample lots of 10 snubbers have been pre-selected to meet the Tech Spec criteria for location within the system as well as to obtain a representative sample of sizes and environmental conditions.

3.1 Maintenance Activities

Maintenance removes and reinstalls snubbers for test purposes and performs functional tests of the ITT snubbers. Other Snubbers are sent off-site for testing. Removal and installation of snubbers are performed in accordance with maintenance procedures applicable to the type of snubber under maintenance work Requests (MWR's). Testing of ITT snubbers is performed in accordance with Procedure CMP1-75-159, "Operation and Maintenance Procedure for ITT Grinnell Snubber Tester".

3.2 OQC Activities

OQC performs visual inspections of snubbers as required by the surveillance program in accordance with OQC procedures applicable to their type and class. In addition, OQC witnesses maintenance activities during removal, test and replacement of snubbers. Hold points are established in the maintenance procedures for sign off by OQC.

3.3 Findings

The inspector reviewed the following documents:

- Sampling plan logic for selection of sample lots of hydraulic snubbers for qualifications tests
- Selected OQC inspection reports including reports of ISI functional testing, snubber removal and snubber replacement
- Selected Maintenance work packages for removal, functional test, rebuild, retest and re-install snubbers
- Hydraulic Snubber Data Sheet showing dates of visual inspection, functional tests and seal replacement
- Mechanical Snubber Data Sheet showing dates of visual inspections and parts replaced, if any.
- Surveillance Critique of test results

No violations were identified in the snubber surveillance program.

4.0 ASME Class 3 Hangers and Supports

The inspector examined QC procedure ISI 12.0 for visual examination of ASME Class 3 hangers and supports and discussed this program with the OQC representatives. Selected records of this program were examined.

No violations were identified.

5.0 ASME Class 1 and 2 Hangers and Supports

The inspector examined selected records of visual examination of hangers and supports. These examinations were performed by WNSD under their 10-year ISI program. This program had been reviewed during Inspection 50-334/84-02 in January 1984. Records of Spring hanger examination showed a single load reading without indicating whether it was a hot or cold reading. The hanger was shown as acceptable. During discussion of these records with OQC the inspector was informed:

-- WNSD were required only to document a single reading and were not provided with hot and cold setting points.

-- No review was performed of the acceptability of the load reading.

The inspector stated that this program and the inspection data were obviously inadequate for ISI of spring hangers. During discussion of this matter the inspector was informed that lack of control of the entire WNSD ISI program had been identified during inspection 84-02. In response the licensee had committed to a Plan of Action which included preparation and implementation of procedures for control and administration of the entire ISI program by August 1, 1984.

This item is unresolved pending implementation of this Plan of Action (50-334/84-14-01).

6.0 QC Personnel Qualifications

There had been an increase in the number of QC personnel during the past year. The inspector reviewed QC procedure OQC 2.1, "Qualification and Certification of OQC personnel and reviewed the experience and qualifications of selected OQC personnel in this category.

No violations were identified.

7.0 Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable, violations or deviations. Unresolved items are discussed in paragraph 5.0.

8.0 Exit Interview

The inspectors met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on June 1, 1984. The inspector summarized the purpose and scope of the inspection and the findings. At no time during this inspection was written material provided to the licensee by the inspectors.