

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

Region I

Report No. 50-412/82-13

Docket No. 50-412

License No. CPPR-105 Priority -- Category A

Licensee: Duquesne Light Company

Robinson Plaza Building No. 2

Suite #210, PA Route 60

Pittsburgh, Pennsylvania 15205

Facility Name: Beaver Valley Power Station, Unit 2

Inspection at: Shippingport, Pennsylvania

Inspection conducted: October 4 - November 2, 1982

Inspector: *J. E. Tripp*
G. Walton, Senior Resident Inspector

11/19/82
date

Approved by: *J. E. Tripp*
L. Tripp, Chief, Reactor Projects Section
No. 2A, Projects Branch No. 2

11/19/82
date

Inspection Summary: Inspection on October 4 - November 2, 1982 (Report No. 50-412/82-13).

Areas Inspected: Routine, unannounced inspection by one resident inspector of welding activities, nondestructive examinations, piping support installation, procedure review, site tours, and unresolved items. The inspection involved 65 hours onsite by one resident inspector.

Results: Of the six areas inspected, no items of noncompliance were identified.

DETAILS

1. Persons Contacted

Duquesne Light Company(DLC)

- *R. Coupland, Director, Q.C.
- *H. N. Crooks, Assistant Director, Q.C.
- C. Ewing, Q.A. Manager
- C. Majumdar, Senior Q.C. Engineer
- *F. Curl, Director, Construction

Stone and Webster (S&W)

- *S. Adams, Superintendent of Construction
- *C. Bishop, Resident Manager
- *R. Faust, Site Structural Engineer
- *A. McIntyre, Head SEO

*Present at exit meeting held November 2, 1982.

2. Construction Site Walk-Through Inspection

Numerous tours of the construction site were made to observe work activities in progress, completed work and plant status of the construction site. The presence of quality control inspectors and quality control records were observed. Movement of the diesel generators into the DG building was also observed. Construction is 61.7% complete as of October 31, 1982.

No violations were identified.

3. Licensee Action on Previous Findings

(Closed) 82-07-04 Unresolved Item, "Inplace Storage of Fuel Oil Tanks."
The inspector reviewed the actions taken on the two buried diesel generator fuel oil tanks to restore the tanks to the required Level D cleanliness. As required by FCP 201, Schneider Inc. has implemented controls to prevent grinding materials and debris from entering the tanks. All openings have been sealed. The debris and water has been removed from the inside of the tanks. The inspector, along with a quality control inspector entered both tanks and verified that the tanks meet the Level D cleanliness requirements. This item is resolved.

(Closed) 82-02-04 Unresolved Item, "Stainless Steel in Contact With Carbon Steel Racks."

This item had remained open pending the licensee's analysis of the "Carboline" paint applied on the surface of the carbon steel racks which would be in contact with the stainless steel piping. The analysis was completed and is contained in the licensee's memorandum 2BVM-2610 dated October 27, 1982. This data was reviewed by a metallurgical engineer in

Region I to assess its technical adequacy. This review found that "Carboline" paint is not detrimental when applied to austenitic stainless steel except at temperatures above 787° Fahrenheit and therefore must be removed prior to welding or other hot work. This item is resolved.

(Open) 82-07-01 Noncompliance "Failure to Control and Tag Nonconforming Material"

The inspector reviewed the licensee's actions taken to correct the "Item of Noncompliance." The licensee has revised FCP-48 and FCP-49 and also SQC 4.2 and 4.6. The above listed documents establish the procedure and method for identification, control, and resolution of unsatisfactory conditions. The procedures now allow correction of certain "unsats" immediately without tagging and without a nonconformance and disposition report. This applies only to those items which don't require engineering review. For those items not corrected immediately, either a "Construction Deficiency Report" (CDR) or a Nonconformance and Disposition Report (N&D) will be issued and the items will be tagged to prevent further processing. The inspector had no further questions on this matter at this time. This item will remain open pending a review by the inspector after the program has been implemented.

4. Reactor Coolant Loop Pipe Weld Examinations

The inspector audited the nondestructive examination results of the first weld completed in the primary loop system. The weld, number 2RCS-7-F-2 on line 2 RCS-029-7-1 was liquid penetrant and radiographically examined in accordance with nondestructive examination procedures RT-10, dated September 3, 1982 and PT-10 dated August 11, 1982. The inspector reviewed the data to determine technical adequacy in the below listed areas.

- . Evaluation and recording of indications
- . Penetrant selection and location
- . Film density and weld coverage
- . Disposition of indications

This items reviewed met the applicable requirements. No violations were identified.

5. Pipe Support Attachments to Structural Steel Beams

The inspector audited the support installation for service water line number 2-SWS-030-143-3A, restraint number 2-SWS-PSR-025 shown on drawing 12241-BZ-19B-22-2F. The installation included the restraint members to steel embed welding. The beam is identified as W12X40 and shown on drawing RS-36D. Two nonconformance and disposition (N&D) reports, N&D 0629 and 0768, had been generated to cover the installation. The inspector reviewed the following items:

- . Disposition of the N&D's
- . Location of support is in accordance with drawing tolerances

- . Welding of fillet welds are in compliance with the drawings
- . As-builts are properly recorded
- . Material identification

The above items met the applicable requirements. No violations were identified.

6. Fitup and Welding of CRDM Canopy Seals

The inspector audited the fitup and welding activities being performed on the "Control Rod Drive Mechanism" (CRDM) canopy seal welds. The following items were reviewed:

- . Welding procedure specifications SPBV903, Rev. 0., Tack welding of consumable insert, and SPBV903-1, Rev. 0., Seal welding using the automatic "Astro-Arc Welder" plus associated procedure qualifications (PQs) 776238 and 832588.
- . Liquid penetrant examination of weld preparation surfaces
- . Tack welding of consumable inserts. Seal welding using the Astro-Arc (Model E200 Astromatic welding system
- . FCP 903.7 and FCP 903.7, Appendix 1
- . Visual examination of completed welds

Eight of the welds had been completed with no apparent defects present. Hydrostatic testing was to be performed to verify acceptance. The above items were examined for compliance with the ASME D&PV Codes, Section IX, Summer 1982 Addenda, and Section III, Winter 1972 Addenda and found acceptable. No violations were identified.

7. Exit Interview

A meeting was held with the licensee representatives indicated in paragraph 1 on November 2, 1982, to discuss the inspection scope and findings.