

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

Region I

Report No. 50-412/80-05

Docket No. 50-412

License No. CPPR-105 Priority -- Category A-2

Licensee: Duquesne Light Company (DLCo)

435 Sixth Avenue

Pittsburgh, Pennsylvania 15219

Facility Name: Beaver Valley Power Station (BVPS), Unit 2

Inspection at: BVPS Site, Shippingport, Pennsylvania

Inspection conducted: June 4-6, 1980

Inspectors: T. J. Jackson  
T. J. Jackson, Radiation Specialist

7/28/80  
date signed

date signed

date signed

Approved by: Robert J. Bors  
R. J. Bors, Chief, Environmental  
and Special Projects Section, FF&MS Branch

7/28/80  
date signed

Inspection Summary:

Inspection on June 4-6, 1980 (Report No. 50-412/80-05)

Areas Inspected: Routine, unannounced inspection of the environmental protection program for construction phase at BVPS Unit 2, including: observations made by the inspector of the existing environmental conditions at the construction site and the surrounding environment; determination of the implementation status of the Construction Permit requirements; management controls and procedures for implementation of the environmental protection program during site preparation and construction. The inspection involved 7 inspector hours on-site by one regionally based NRC inspector.

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

## DETAILS

### 1. Persons Contacted

- \*R. J. Swiderski, Superintendent of Construction, DLCo
- \*J. R. Yun, Construction Specialist, DLCo
- \*E. Humer, Construction Specialist, DLCo

\*denotes those present at the exit interview.

### 2. Licensee Action on Previous Inspection Findings

(Closed) Noncompliance (412/79-02-02): Failure to Control Effluent from Waste Concrete Disposal Area. The inspector examined the corrective actions taken by the licensee as described in the licensee's July 3, 1979 reply to NRC Inspection Report 50-412/79-02. The inspector verified that the old waste concrete area had been filled in, graded, and seeded. The licensee stated that further grading and seeding would be accomplished as necessary to stabilize the area. The inspector also examined the holding basin now used to contain concrete waste water. The licensee stated that this water was used to control airborne dust on site by spraying on roads and is not discharged into area water bodies. The inspector had no further questions in this area at this time.

(Closed) Inspector Followup Item (412/79-02-01): Severe Erosion at Ohio River. The inspector examined the future Unit 2 discharge construction area west of the Shippingport site which was receiving spoil material during the time of the last inspection and observed that this area was now covered with vegetation and the slopes stabilized with the exception of one gully. The licensee stated that it is intended to reseed this gully to complete slope stabilization of the area. The inspector stated that erosion was apparently under control in this area and this item is therefore closed. The inspector had no further questions in this area at this time.

### 3. General

The inspection consisted of a review of the licensee's environmental program including measures taken to protect the environment during site preparation and construction. The licensee's current requirements in this area are listed in Sections 3.C and 3.E of the Construction Permit (CPPR-105), and described in the application and hearing records. The inspection included a review of the licensee's records, procedures and audits, interviews with licensee personnel and observations made by the inspector.

a. Site Tour

Upon arrival at the Beaver Valley Power Station (BVPS), Unit 2 construction site, the inspector toured the area and examined the prevailing conditions at the site and the surrounding environment. The inspector examined the site perimeter, discharge points, Ohio River waterfront, laydown area, and construction activities occurring during the inspection.

4. Management Controls and Program Implementation Procedures

The inspector reviewed the licensee's management control program to insure that the environmental protection program was implemented and adhered to during construction operations. The inspector determined that daily construction site inspections and approximately weekly inspections of the laydown areas were made by the DLCo Construction Specialist, who reports directly to the DLCo Construction Superintendent, and the Stone and Webster Office Engineer. The daily observations included settling basins, run-off water, vegetation, slopes, erosion controls, dust control, sanitary waste disposal, potable water supply examinations, solid waste disposal and the general environment. The summary of daily observations, including identified problem areas, was documented in the site environmental log book. The inspector noted that management was informed of program inadequacies through interoffice correspondence (IOC) and corrective actions were taken as recommended by the site Construction Specialist. The inspector reviewed the licensee's IOCs #49 through #85 (3/8/78 - 4/18/80) and selected Environmental Log Book entries made since the last inspection in this area (4/2/79-02).

No items of noncompliance were identified.

5. Status of Implementation of the Construction Permit Requirements

a. Effluent Management and Erosion Control

The inspector noted that a settling basin was used to control turbidity and suspended solids content of most site effluents. Most site run-off water and liquid effluents were collected, via a storm drain system, in site settling basin No. 4. The inspector observed that settling basin No. 4 was provided with a filtration system which discharges into Peggs Run which flows into the Ohio River. The licensee sampled the settling basin effluent while the inspector was on-site and determined that the Fe concentration in effluent was well below the 7 mg/l limit of dissolved Fe specified in Pennsylvania Department of Environmental Resources (PaDER) Permit No. 0473211.

The inspector observed a small holding basin at the top of a slope along the Ohio River. The licensee stated that this basin had been used to collect runoff water containing Tectyl 506 from a steam cleaning operation but was currently not in use. The inspector noted that this basin was now filled with surface water which overflowed during rainfall. The licensee stated that any Tectyl 506 remaining in the basin would not readily mix with water. The licensee stated that this basin would be filled in until needed in order to stop the collection of rainwater and prevent any Tectyl 506 from reaching the Ohio River.

The inspector reviewed the licensee's program for erosion control and slope stabilization. The inspector observed severe erosion occurring on site in the vicinity of Peggs Run. The inspector noted that the slope above the culvert where Peggs Run exits had been recently seeded but that erosion conditions still existed near the settling pond and near the site-road bridge crossing Peggs Run. The inspector stated that this erosion condition creates the potential for turbid runoff to enter directly into Peggs Run and flow into the Ohio River. The licensee stated that this area would be stabilized to prevent turbid runoff from entering Peggs Run. This item is considered unresolved pending stabilization of eroding slopes and control of the area runoff (50-412/80-05-01).

b. Waste Concrete Disposal

The inspector examined the current method of handling concrete waste-water. The licensee stated that this water is placed into a holding basin and used to control site dust conditions. The licensee stated that this water is not discharged into any water bodies in the area.

The inspector observed a drain in the concrete batch plant area which entered a culvert, bypassing the site settling pond to a discharge point on a slope near the Ohio River. The inspector did not observe any water from the batch plant area entering this drain. The inspector observed the licensee sample water from this culvert where it exits the site and observed the licensee analyze the pH of the discharge. The pH was determined to be 8.0, which is within the limits of the licensee's discharge permit.

The inspector examined the old waste concrete area and noted that it had been filled, graded, and seeded. The inspector observed that some erosion existed at the area and that vegetation was sparse. The licensee stated that the eroded areas would be filled in and it was planned to seed the area again.

The inspector had no further questions in these areas at this time.

c. Chemical, Oil and Fuel Storage and Control

The inspector observed that dikes were in use throughout the site to control any spills of fuel and oil which might occur from storage tanks. The inspector noted that the concrete dike surrounding the fuel and oil storage area at the craft entrance near the mechanics shop had several cracks and holes in it, through which small quantities of oil had begun to leak out. The licensee stated that corrective action would be taken to repair the dike and prevent leakage of fuel and oil to the surrounding ground.

The inspector had no further questions in this area at this time.

d. Solid Waste Disposal

Site refuse materials were collected in designated containers and removed from the site by a private contractor on a regular basis. Construction scrap material was removed to a designated area near the site. The licensee stated that no waste disposal is permitted at other than these locations. The inspector toured the site and examined the waste disposal area. No inadequacies were identified in this area.

e. Sanitary Waste Disposal

The licensee stated that sanitary waste from on-site temporary toilets was removed from the site on a regular basis by a private contractor and disposed of at a licensee treatment plant.

No items of noncompliance were identified.

f. Drinking Water

The inspector noted that the site well drinking water was chlorinated and tested daily. The licensee stated that drinking water standards as set by EPA were followed.

No items of noncompliance were identified.

4. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. One unresolved item disclosed during this inspection is discussed in paragraph 3.a.

5. Exit Interview

The Inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on June 6, 1980, at the BVPS Unit 2 site. The inspector summarized the purpose and scope of the inspection and findings.