NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos. 50-334/90-05
50-412/90-04

Docket Nos. 50-334
50-412

License Nos. DPR-66
NPF-73

Licensee: Duquesne Light Company
Post Office Box 4
Shippingport, Pennsylvania 15077

Facility Name: Beaver Valley Power Station Units 1 & 2

Inspection At: King of Prussia, Pennsylvania

Inspection Conducted: January 29, 1990

Inspector: _____ 1-30-90
J. Furia, Radiation Specialist, Effluents Radiation Protection Section (ERPS) date

Approved By: for _____ 1-30-90
R. Bores, Chief, ERPS, Facilities Radiological Safety and Safeguards Branch date

Inspection Summary: Inspection on January 29, 1990 (Combined Inspection Report Nos. 50-334/90-05; 50-412/90-04)

Areas Inspected: Review of the circumstances surrounding the shipment of scaffolding to the Quadrex Recycle Center, Oak Ridge, Tennessee, on January 10, 1990.

Results: Within the areas inspected, one violation was noted (Transportation).

DETAILS

1. Personnel Contacted

H. Bicehouse, Radiation Protection Officer, Quadrex Recycle Center
J. Kosmal, Manager, Health Physics, Beaver Valley
P. Wilson, Resident Inspector

2. Purpose

The purpose of this inspection was to examine the circumstances surrounding the shipment of a SeaVan by the licensee to the Quadrex Recycle Center, Oak Ridge, Tennessee. Upon receipt of the SeaVan at Quadrex, two holes in the side of the SeaVan, each approximately three square inches, were discovered.

3. Chronology of Events

On January 10, 1990, the licensee shipped eight steel drums and a SeaVan to the Quadrex Recycle Center, Oak Ridge, Tennessee. The SeaVan contained contaminated scaffolding material, and was packaged as Radioactive Material, Low Specific Activity (LSA), and was consigned as exclusive use. On January 11, 1990, the shipment arrived at Quadrex, and during receipt inspection, it was discovered that two holes, each approximately three square inches in size were in the side of the SeaVan. Investigation by Quadrex personnel revealed that a cart utilized to transport scaffolding rails was loose within the SeaVan, with the location and size of the holes consistent with the size and height above the SeaVan floor of an I-beam on the bottom of the cart. Wipe tests of the two holes and the I-beam failed to detect any removable contamination.

NRC regulations contained in 10 CFR 71.5 requires that licensees shipping radioactive materials comply with the applicable regulations of the U. S. Department of Transportation set forth in 49 CFR. 49 CFR 173.425 requires that LSA shipments made exclusive use must be packaged in strong, tight containers so that there be no leakage of radioactive material during conditions normally incident to transportation. The licensee's failure to adequately brace the cart containing contaminated scaffolding rails lead to a breach of package integrity, and could have led to the subsequent release of radioactive materials.

4. Exit Interview

The inspector talked with Mr. J. Kosmal by telephone at the conclusion of the inspection on January 29, 1990. The inspector summarized the scope of the inspection and inspection findings.