

U. S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-334/83-13

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 No. 1

Inspection Conducted: July 11-15, 1983

Inspectors: P. Clemons
P. Clemons, Radiation Specialist

8/9/83
date

R. Struckmeyer
R. Struckmeyer, Radiation Specialist

8/9/83
date

Approved by: M. Shanbaky
M. Shanbaky, Chief, Facilities Radiation
Protection Section, Radiation Protection
Branch

8/9/83
date

Inspection Summary: Inspection on July 11-15, 1983 (Report No. 50-334/83-13)

Areas Inspected: Routine, unannounced safety inspection of the Radiation Protection Program including: outstanding items, respiratory protection, shipments of radioactive material, exposure control, surveys, procedures, ALARA review, training and the radiation monitoring system. The inspection involved 72.5 inspector-hours onsite by two regional inspectors.

Results: No violations were identified.

DETAILS

1. Persons Contacted

1.1 Licensee Personnel

- * J. Sieber, Manager, Nuclear Safety and Licensing
- * J. Kosmal, Radiological Controls Operations Coordinator
- * F. Lipchick, Senior Compliance Engineer
- * E. Schnell, Radiological Controls Supervisor
- * W. Canan, Senior Health Physics Specialist
- * E. Cohen, Senior Health Physics Specialist
- * A. Bevan, Radiological Controls Foreman
- * K. Winter, Health Physics Specialist

1.2 NRC Personnel

- W. Troskoski, Resident Inspector
- R. Struckmeyer, Radiation Specialist

*Attended the Exit Interview on July 11, 1983.

Other licensee and contractor personnel were contacted and interviewed during this inspection.

2. Purpose

The purpose of this routine inspection was to review the licensee's radiation protection activities with respect to the following elements:

- Status of Previously Identified Items;
- Review of the Respiratory Protection Program;
- Review of Shipments of Radioactive Material;
- Review of Exposure Control;
- Review of Procedures;
- Review of Surveys;
- Review of ALARA; and
- Review of Training.

3. Status of Previously Identified Items

(Closed) Inspector Follow-up Item (83-05-01) Licensee to order neutron check source, and obtain copies of vendor calibration procedures. It was

determined that the licensee received the neutron source on June 28, 1983, and has copies of vendor calibration procedures.

4. Respiratory Protection

The licensee's respiratory protection program was reviewed against criteria contained in 10 CFR 20.103(c), "Exposure of individuals to concentrations of radioactive materials in air in restricted areas".

The licensee's performance relative to these criteria was determined from discussions with a Senior Health Physics Specialist, review of procedures, and review of training records for approximately 20 employees (contractors).

Within the scope of this review, no violations were identified.

5. Shipments of Radioactive Material

The licensee's program for the transportation of radioactive material was reviewed against the criteria in 10 CFR 30.18, "Exempt quantities", and 10 CFR 30.41(c), "Transfer of byproduct material". The licensee's performance relative to these criteria was determined from discussions with the Radiological Controls Supervisor and by review of appropriate shipping documents.

Within the scope of this review, no violations were identified.

6. Exposure Control

The External Exposure Control Program was reviewed against the criteria contained in 10 CFR 20.101, "Radiation dose standards for individuals in restricted areas", and 10 CFR 20.102, "Determination of prior dose".

The licensee's performance relative to these criteria was determined by interviewing the Radiological Controls Foreman, and by reviewing selected documents.

Within the scope of this review, no violations were identified.

7. Procedure Review

The adequacy and effectiveness of the licensee's procedure for supplied air hoods was reviewed against the criteria contained in 10 CFR 20.103, "Exposure of individuals to concentrations of radioactive material in restricted areas".

The procedure reviewed was Radcon Procedure 10.5, "Respiratory Protection Equipment: Supplied-Air Hood". The licensee's performance relative to these criteria was determined from discussions with a Senior Health Physics Specialist.

Within the scope of this review, no violations were identified.

8. Surveys

The licensee's survey program was reviewed against criteria contained in 10 CFR 20.201, "Surveys".

The licensee's performance relative to these criteria was determined by discussion with the Radiological Controls Supervisor and by reviewing appropriate records.

Within the scope of this review, no violations were identified.

9. Training

The adequacy and effectiveness of the licensee's training in the various aspects of respiratory protection was reviewed against the criteria contained in 10 CFR 19.12, "Instructions to workers", and 10 CFR 20.105(c)5". Exposure of individuals to concentrations of radioactive material in air in restricted areas", and Regulatory Guide 8.27, "Radiation Protection Training for Personnel at Light Water Cooled Nuclear Power Plant".

The licensee's performance relative to these criteria was determined from discussions with the Senior Health Physics Specialist and review of training records for approximately 20 contractor employees.

Within the scope of this review, no violations were identified.

10. ALARA

The licensee's ALARA program (as low as is reasonably achievable) was reviewed against criteria contained in 10 CFR 20.1(c), "Purpose". The licensee's performance relative to these criteria was determined from discussions with the Radiological Controls Supervisor, a Senior Health Physics Specialist, and a Radiological Controls Foreman, review of ALARA evaluations, and review of dosimetry records.

Within the scope of this review, no violations were identified.

11. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on May 27, 1983. The inspector summarized the purpose and scope of the inspection, and the inspection findings.

During this inspection, a copy of the Outstanding Items List was given to the licensee by the inspector. See the attachment .

07/27/83

REGION 1
OUTSTANDING ITEMS REPORT

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ITEM-NUM	TYPE	MODULE	AREA	RESP	ORIGINATOR	MODIFIER/CLOSER	DATE OPENED/MOD OR CLOSED	ACTION DUE DATE	UPDATE/CLOSEOUT REPORT NUMBER
----- DESCRIPTIVE TITLE -----									
I									
05000334									
81-15-10	UNR	93701	RDP	U/Z	HEGNER		09-21-81	09/30/81	- -
					REVIEW LICENSEE PRACTICES RE OPERABILITY OF SW AND PAB SUMP ALARMS				

81-32-05	IFI	83745	RDP	R/R	NIMITZ		04-05-82	04/03/82	- -
					REVIEW LICENSEE METHOD FOR QUALIFYING CONTRACTOR TECHNICIANS				

81-32-07	IFI	83745	RDP	R/R	NIMITZ		04-05-82	04/03/82	- -
					REVIEW LICENSEE ALARA PROGRAM				

82-16-05	UNR	71709	RDP	U/	TROSKOSKI		08-16-82	10/10/82	- -
					REVIEW CORRECTIVE ACTIONS TO LIMIT FUTURE SOLID WASTE CONTAMINATION PROBLEMS			50	
								50	
								50	

82-19-04	IFI	86740	RDP	/	CLEMONS		- -	/ /	- -
					FOLLOWUP ON AUDIT OF QA PROGRAM FOR SHIPPING PACKAGES			51	
								51	
								51	

82-24-03	IFI	92704	RDP	E/	EAPEN		09-30-82	12/31/82	- -
					LICENSEE PROVIDE INFO RELATIVE TO NUMBER AND LOCATION OF PIPES CARRYING RADIOACTIVE FLUID USED IN SHIELDING CALCULATIONS			54	
								54	
								54	

83-05-01	IFI	83741	RDP	R/Z	COLLINS		02-24-83	07/01/83	- -
					LICENSEE TO ORDER NUETRON CHECK SOURCE, AND OBTAIN COPIES OF VENDOR CALIBRATION PROCEDURES				

83-11-01	IFI	83745	RDP	/	CLEMONS		- -	/ /	- -
					DETERMINE IF RADIATION MONITORING SYSTEM IS PROVIDING REPRESENTATIVE SAMPLES			53	
								53	
								53	
