

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-247/84-25

Docket No. 50-247

License No. DPR-26 Priority -- Category C

Licensee: Consolidated Edison Company of New York, Inc.

4 Irving Place

New York, New York 10003

Facility Name: Indian Point Nuclear Generating Station, Unit 2

Inspection At: Buchanan, New York

Inspection Conducted: September 17-21, 1984

Inspectors: Harvey Zibulsky 10-16-84
H. Zibulsky, Chemist date

Approved by: W. J. Pasciak 12-4-84
W. J. Pasciak, Chief, BWR date
Radiation Safety Section

Inspection Summary:

Inspection on September 17-21, 1984, (Report No. 50-247/84-25)

Areas Inspected: Routine, announced inspection of the licensee's nonradiological chemical program. Areas reviewed include: quality control of analytical measurements, analytical procedures, staffing and training. The inspection involved 30 hours onsite by one region based inspector.

Results: The licensee was in compliance with NRC requirements examined during the inspection.

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DETAILS

1. Individuals Contacted

- *M. Blatt, Director, Regulatory Affairs
- *J. Higgins, Manager, Chemistry
- *R. Noah, Supervisor, Chemistry
- *B. Homyk, Supervisor, Nuclear
- *S. Quinn, General Manager, Technical Support
- *J. Quirk, T and P Engineering
- *A. Budnick, Manager, Nuclear Power QA
- *P. Dillon, Ebasco
- *A. Musto, Ebasco
- *A. Bar, Technical Support
- *H. Reizenstein, QA and R

*Denotes those present at the exit interview.

The inspector also interviewed other licensee employees including members of the Chemistry staff.

2. Laboratory Quality Control

The adequacy and effectiveness of the licensee's nonradiological chemistry quality control program was reviewed against the requirements of Technical Specification 6.8, U.S. NRC Regulatory Guide 1.33, Revision 2, ANSI N18.7-1976, and standard industrial practices. The licensee's performance relative to these requirements and standards was determined by review of records, discussions with licensee personnel, and observations by the inspector.

For the analyses observed, calibration standards were used over the full range of operation. Separate control standards were not used nor documented by the licensee for quality control. The inspector told the licensee that the utilization and documentation of control standards would add to the assurance that the measurement system was properly operating and calibration standards were correct. By plotting the control standards on charts with a ± 2 sigma acceptance criteria, the laboratory personnel will be able to identify whether analytical differences were significant and whether trends were developing. The licensee will initiate a measurement control program. The measurement control program will be reviewed at a subsequent inspection. Inspector Follow-up Item (84-25-01).

No violations were identified.

3. Analytical Procedures

The inspector reviewed the licensee's analytical procedures in the water chemistry area. The procedures are required under Technical Specifications 3.1 and 3.2, and U.S. NRC Regulatory Guide 1.33, Revision 2, referenced in Section 6.8 of the Technical Specifications.

The analytical procedures that were observed were volumetric boron; chloride and fluoride by specific electrode; ammonia, silica, and hydrazine by spectrophotometry. The procedures and instruments used for the water chemistry analyses are adequate.

No violations were identified.

4. Staffing and Training

The inspector reviewed the licensee's organization with respect to the staffing in the chemistry area. The chemistry department is headed by a Chemistry Manager. He has 2 Chemistry Supervisors and 2 Nuclear Supervisors reporting to him. The Nuclear Production Technicians and the Senior Nuclear Technicians report to the Supervisors.

There is good communication among the chemistry personnel and analytical problems in the laboratory are generally enacted upon without delay.

The licensee is using a chemistry technician training program developed by an outside contractor, the licensee's corporate personnel administer the program. The chemistry and nuclear supervisors have on-the-job training and annual retraining programs. These programs are documented on a qualification sign-off sheet. Further laboratory training is performed utilizing inter and intra-laboratory standards. The chemistry technicians analyze the standards and the results are documented and evaluated.

No violations were identified.

5. Exit Interview

The inspector met with the licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on September 21, 1984. The inspector summarized the purpose and scope of the inspection and the inspector findings. At no time during the inspection was any written material provided to the licensee by the inspector.