JUN 8 1973

Jersey Central Power & light Co.
Attention: Mr. I. R. Finfrock
Vice President of Power Generation
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960

Docket NO. 50-219

Gentlemen:

This refers to the inspection conducted by Mr. Cantrell of this office on May 11, 1973 at Oyster Creek, Forked River, New Jersey, of activities authorized by AEC License No. DPR-16, and to the discussions of cur findings held by Mr. Cantrell with Mr. Carroll at the conclusion of the inspection.

Areas examined during this inspection included the April - May, 1973 refueling operations, the failure of the B-isolation condenser drain valve on April 14, 1973, and the control rod that was stuck in position 18 - 15 during the reactor startup January 10, 1973. Within these areas, the inspection consisted of selective examinations of procedures, and representative records, interviews with personnel, and observations by the inspector.

Within the scope of this inspection, no violations or safety items were observed.

In accordance with Section 2.790 of the AEC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the AEC's Public Document Room. If this report contains any information that you (or your contractor) believe to be proprietary, it is necessary that you make a written application within 20 days to this office to withhold such information from public disclosure. Any such application must include a full statement of the reasons on the basis of which it is claimed that the information is proprietary, and should be prepared so that proprietary information identified in the application is contained in a separate part of the document. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

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OFFICE ▶	CRESS-I					
SURNAME ▶	Cantrell/jp	Sue	Carlson			
DATE ▶	6-7-73		6/7	6/7		

Form AEC-318 (Rev. 9-53) AECM 0240

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

Robert T. Carlson, Chief,
Facility Operations Branch

Enclosure:
RO Inspection Report 50-219/73-10

cc: Mr. J. T. Carroll, Plant Superintendent

bcc: RO Chief, Field Support & Enforcement Branch, HQ
RO:HQ (4)
Directorate of Licensing (4)
DR Central Files
PDR
Local PDR
NSIC
DTIE
State of New Jersey

Jersey Central Power & Light Company

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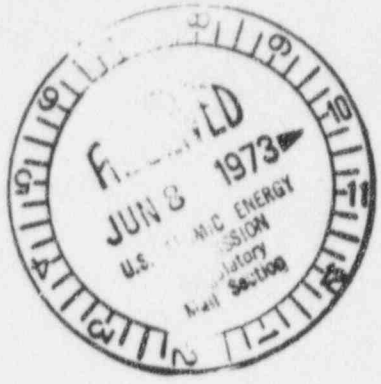
June 5, 1973



Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
United States Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Giambusso:

Subject: Oyster Creek Station
Docket No. 50-219
Main Steam Isolation Valve

The purpose of this letter is to report a failure of the main steam isolation valve NS03B to meet acceptable leakage as specified in Technical Specifications 4.5.F.1.D. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, Paragraph 1.15.E. Notification of this event as required by the Technical Specifications, Paragraph 6.6.B, was made to AEC Region I, Directorate of Regulatory Operations, on Tuesday, May 22, 1973.

While attempting to test NS04B for leakage as required by Technical Specification 4.5.E.4, the volume between NS03B and NS04B could not be drained of water, indicating that NS03B was leaking. NS03B was tested for leakage and the leakage was measured to be approximately 85 SCFH. Cycling of the valve did not decrease the leakage.

Mechanical maintenance will disassemble NS03B, inspect the valve, replace the valve stem and perform any other required maintenance. Then the valve will be retested for leakage to assure that it meets the Technical Specification limit of 5% L_a.

Additional information will be forwarded to your office when the results of our inspection are available.

Very truly yours,

Donald A. Ross

Donald A. Ross
Manager, Nuclear Generating Stations

DAR:cs
Enclosures (40)

cc: Mr. J. P. O'Reilly, Director
Directorate of Regulatory Operations, Region I

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Jersey Central Power & Light Company

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June 5, 1973

Mr. Frank E. Kruesi, Director
Directorate of Regulatory Operations
United States Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Kruesi:

Subject: Oyster Creek Station
Docket No. 50-219
Personnel Exposure

The purpose of this letter is to advise you that during the performance of control rod drive modification and replacement, an individual, under the employ of an outside contractor, received a whole body exposure in excess of 3.0 rems. This exposure is in excess of the applicable limits as set forth in 10CAR20.101.B.1 and, as such, is being reported per 10CFR20.405.

The individual of concern was assigned to a work crew performing the modification and replacement of the control rod drives, and received the increment of excessive exposure, while engaged in the removal of a drive under the reactor vessel. In the performance of this specific job, the man was exposed to levels of radiation which ranged from 60 mr/hr to 800 mr/hr.

The following controls were in effect at the time of the incident: The area was restricted, a Radiation Work Permit (RWP) had been issued and the job was being supervised.

In retracing the incident to determine the cause of the exposure, the following information was determined:

1. The individual, employed by the contractor, arrived at Oyster Creek on Friday, April 27, 1973, was issued a film badge and attended an orientation course in Radiation Protection.

2. He was assigned to a crew scheduled to perform work within the scope of the control rod drive modification and replacement program. The work was conducted under the supervision of contractor personnel.

3. His total accumulated exposure through May 5, 1973 was 1210 mr as determined from film badge results. At this time, after reviewing his exposure, the individual was given permission to accumulate additional exposure to a level of 1700 mr, which was according to established guidelines.

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4. His total exposure on May 7, 1973 was 1615 mr (1210 mr film badge and 405 mr self-reading dosimeter) as recorded on the daily log sheet. At this time, the individual was assigned to a work crew scheduled to remove a control rod drive. The area in which the work was performed was adequately surveyed and the crew was under contractor supervision.

5. After performing the necessary drive work, the individual discovered that his self-reading dosimeters (200 mr, 500 mr and 1R) had all pegged upscale indicating an exposure in excess of 1 rem. The job had been performed in a high radiation area located under the reactor vessel.

6. His film badge was immediately processed and the results indicated 1810 mr for the period May 6 through May 8, 1973 inclusive, indicating the individual received approximately 1400 mr while performing the work.

After evaluation of the above information, the conclusion was reached that the cause of the overexposure was twofold; firstly, the failure of the individual of concern to periodically check his self-reading dosimeters to determine the amount of exposure he was receiving and, secondly, the failure of the contractor supervisor to, (being aware of the allowable exposure limits) periodically check the individual's exposure and to use more care in the assignment of work considering the man's previous accumulated exposure. Immediately upon discovering that the overexposure had occurred, a meeting was conducted between the contractor and Jersey Central Power & Light Company's staff to determine corrective action needed and to initiate measures of control to prevent recurrence of similar incidents. Corrective action taken involved the use of health physics personnel to more closely observe exposure of individuals engaged in work in Radiation Work Permit (RWP) areas. This was accomplished by having the health physics personnel perform the following:

1. Be aware of exposure limits for all contractor personnel requesting entrance to RWP areas prior to admittance.

2. Assure that all contractor personnel are informed as to the RWP requirements, are properly clothed, protected, monitored and record allowable exposure.

3. Monitor and record exposures of contractor personnel at least hourly, more frequently if required, and remove any individual from the area who reaches his allowable limit.

In addition, more stringent administrative requirements have been imposed on all contractor personnel to preclude the recurrence of this event. These requirements include daily meetings to discuss work to be performed in light of necessary radiation protection, the restriction from work in high radiation areas of all contractor personnel who receive an accumulated exposure of 2.0 rems, and the processing of film badges daily for all contractor personnel who are

engaged in work in high radiation areas. It is felt that the above actions will assure Jersey Central Power & Light Company's management that a recurrence will not be experienced.

Jersey Central Power & Light Company had prepared and implemented radiological control of personnel engaged in work during the outage, through the establishment of administrative guidelines, the maintaining and reporting of all personnel exposure on a daily basis, and the orientation of all personnel in radiation protection. In addition, a supplemental system of memorandum writing was instituted to alert the contractor supervisors of personnel who were approaching pre-established limits. It is the feeling that Jersey Central Power & Light Company had maintained proper administrative control to prevent an occurrence of this nature and the reason for the incident was the failure of the contractor personnel involved to observe the rules and follow the proper safety practices.

We are enclosing forty (40) copies of this letter.

Very truly yours,

Donald A. Ross

Donald A. Ross
Manager, Nuclear Generating Stations

DAR:cs

Attachment

cc: Mr. J. P. O'Reilly, Director
Directorate of Regulatory Operations, Region I