

Jersey Central Power & Light Company



MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 539-5111

April 3, 1973

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

Corrected previously

Dear Mr. Kreusi:

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

The purpose of this letter is to advise you that two employees assigned to the Oyster Creek Station have possibly received whole-body exposures in excess of 3 rems during the first quarterly period of 1973. This report is being submitted in accordance with 10CFR20.405.

In the interest of being conservative, this exposure is being reported as whole-body exposure at this time. The extent of the exposures range from 3.140 rem to 3.290 rem based upon film badge results. The exposure of each individual by name is listed in Attachment A to this letter. Each individual has been given notification of his exposure.

The exact cause of the overexposure cannot be determined with any degree of certainty since in each case the violations were discovered upon receipt of film badge results which are analyzed monthly. Each individual had been engaged in various activities throughout the month, therefore, no direct correlation can be made. It bears mentioning, however, that as a general rule, neither of the individuals would have worked at their jobs in radiation fields for any length of time without at least one other individual being present, either assisting him or working with him in some manner. Thus, it would be expected that more than one individual would be exposed to the same radiation intensity. Yet, in the case of the excessive beta exposure, no other individual received any exposure to beta radiation during the period of time in question. In the case of the second individual, the discrepancy between the film badge results and self-reading pocket dosimeters was nearly twice as large as that noted for other individuals.

The reported exposure provided by our film badge service is currently under investigation by an outside consultant. Results of the investigation should be available within sixty days.

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Mr. F. E. Kreusi

Page II

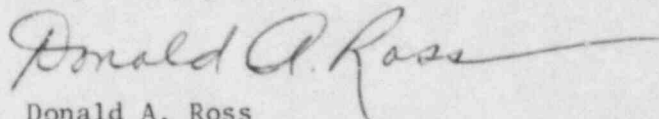
April 3, 1973

Further strengthening of our personnel exposure accumulation is indicated by this event. More frequent film badge exposure data will be collected in the future as an individual approaches quarterly whole-body exposure limit as follows:

<u>Accumulated Quarterly Exposure Range</u>	<u>Film Badge Reading Frequency</u>
0-1.000 R	Monthly
1.000-1.750 R	Semimonthly
1.750-2.500 R	Weekly
2.500-3.000 R	Daily

It is believed such practice will prevent further minor overexposures similar to those that have been reported to your office over the past year.

Very truly yours,



Donald A. Ross
Manager, Nuclear Generating Stations

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Attachment

cc: Mr. J. P. O'Reilly
Mr. S. W. Porter