

# Jersey Central Power & Light Company

MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 539-6111

April 3, 1973

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

Dear Mr. Kreusi:

Subject: Oyster Creek Station  
Docket No. 50-219  
Additional Information/Personnel Overexposures

This letter is in response to your January 31, 1973 letter to Mr. Ivan R. Finfrock, Jr. requesting additional information regarding the results of our investigation into the overexposures reported to your office by letter dated August 10, 1972.

The special General Office Review Board investigation determined the major factors leading to this incident were the unexpectedly high radiation levels encountered and the unanticipated repair work associated with the plant shutdown. The incident resulted from the desire of some personnel involved to insure that the work required was properly performed to insure satisfactory performance of the plant and from the lack of a specifically defined and enforced radiation exposure limit (below the allowable level) at which the men should not have been permitted to work in radiation areas except under very close control.

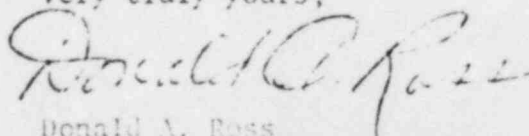
The action taken to prevent similar exposures from reoccurring were as follows:

1. No person will be permitted to incur doses in excess of 2500 mrem whole body per calendar quarter without written authorization from the Manager, Nuclear Generating Stations. Persons so authorized will be subject to special control while accumulating any additional exposure.


2. A daily report, current as of the previous day, will be issued by the radiation protection group at Oyster Creek showing accumulative quarterly exposure of all personnel for which such exposure exceeds 1.25 rem whole body. The report will be distributed to all foremen, supervisors, the station superintendent, and the Manager, Nuclear Generating Stations. It contains the man's name, position, and controlling record of exposure. Station operating procedures have been changed to reflect all of the above items.

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Very truly yours,



Donald A. Ross  
Manager, Nuclear Generating Stations



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April 3, 1973

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

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.

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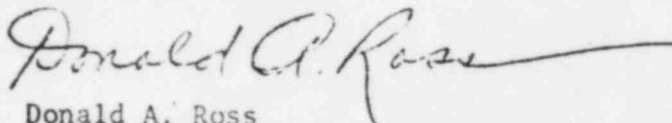
Mr. F. E. Kreu  
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Further strengthening of our personnel exposure accumulation is indicated by this event. More frequent film badge exposure data will be collected in the future as an individual approaches quarterly whole-body exposure limit as follows:

<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