

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-5001

SHIELDS L. DALTROFF
VICE PRESIDENT
ELECTRIC PRODUCTION

March 26, 1982

Docket No. 50-278

Insp. No. 50-278/81-28

Mr. R. C. Haynes, Regional Administrator
US Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Haynes:

Your letter of February 24, 1982, requested additional information concerning our report on the 14 rem exposure to the Eberline badge worn by a Philadelphia Electric Company employee during August, 1981. Specifically, your letter requested the maximum exposure the employee could have received during the following periods:

August 15, 1981 2:30 p.m. - 5:00 p.m.

August 17, 1981 4:30 p.m. - 6:00 p.m.

On both days the employee spent part of the time in question in the drywell working on the 3B recirculation pump motor. Survey data taken on August 10, 1981, and August 15, 1981, indicate that the highest possible dose rate that the employee could have been exposed to was 120 mrem/hr which was in the area of the recirculation pump.

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Our review of security access data for the periods referenced above indicates that the employee was in the Unit 3 Reactor Building during the following periods:

August 15, 1981	2:34 p.m. - 2:58 p.m.
	3:06 p.m. - 3:40 p.m.
	4:12 p.m. - 4:29 p.m.
August 17, 1981	4:38 p.m. - 4:40 p.m.
	4:47 p.m. - 5:43 p.m.
	5:45 p.m. - 5:48 p.m.

The periods from 3:06 p.m. - 3:40 p.m. on August 15, 1981, and 4:47 p.m. - 5:43 p.m. on August 17, 1982, correspond closely to the 'In' and 'Out' times recorded by the employee on the Radiation Work Permit. Using these security access times and the highest dose rate in the area of the recirculation pump of 120 mrem/hr, the maximum employee dose was 68 mrem on August 15, 1982, and 112 mrem on August 17, 1981.

The remaining periods lack supporting evidence to verify the location and activities of the employee, however, the security access data indicates that the employee passed through the reactor building on his way in to suit up for drywell entry and on his way out at the end of his shift. Based on this routine and the relatively short duration of these time periods, we believe there was no significant exposure associated with the other times that the employee was in the reactor building.

If you have any questions or require additional information, please do not hesitate to call.

Very truly yours,

