

130-20934  
37-23341-01



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406

March 25, 1991

MEMORANDUM FOR: J. Kinneman, Chief, Nuclear Materials Safety Section B,  
NMSB, DRSS

FROM: Robert J. Bores, Chief, Effluents Radiation Protection  
Section, FRSSB

SUBJECT: RESULTS OF TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
AT INS

The attachment to this memo provides the results of the subject monitoring for the fourth quarter 1990. The TLDs were in place for 106 days, from September 27, 1990 to January 10, 1991. They were annealed on September 26, 1990 and read on January 24, 1991.

Please contact either me or R. Struckmeyer if you have any questions.

*for Jason C. Long*  
Robert J. Bores, Chief  
Effluents Radiation Protection Section  
FRSSB

Attachment:  
As stated

cc:  
R. Bellamy, DRSS

140000  
9201210092 910325  
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INS  
 TLD Direct Radiation Environmental Monitoring  
 For the period 900926-910124 121 Days  
 Field Time: 106 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	0	0.0	106.2 +- 3.2; 15.9	90.2 +- 2.7; 13.8	36.6 +- 0.0
2	0	0.0	121.2 +- 3.6; 18.2	102.9 +- 3.1; 15.7	39.5 +- 0.0
3	0	0.0	24.0 +- 0.7; 3.6	20.4 +- 0.7; 4.0	15.7 +- 0.0
4	0	0.0	37.9 +- 1.1; 5.7	32.2 +- 1.0; 5.5	20.0 +- 0.0
5	0	0.0	22.9 +- 0.7; 3.4	19.4 +- 0.6; 3.9	13.9 +- 0.0
6	0	0.0	23.6 +- 0.7; 3.5	20.0 +- 0.6; 4.0	17.1 +- 0.0
7	0	0.0	25.8 +- 0.8; 3.9	21.9 +- 0.7; 4.2	15.7 +- 0.0
8	0	0.0	25.3 +- 0.8; 3.8	21.5 +- 0.7; 4.2	16.7 +- 0.0
9	0	0.0	25.9 +- 0.8; 3.9	22.0 +- 0.7; 4.2	24.1 +- 0.0
10	0	0.0	22.6 +- 0.7; 3.4	19.2 +- 0.6; 3.9	17.4 +- 0.0
11	0	0.0	27.4 +- 0.8; 4.1	23.3 +- 0.7; 4.4	17.2 +- 0.0
12	0	0.0	33.8 +- 1.0; 5.1	28.7 +- 0.9; 5.0	26.1 +- 0.0
13	0	0.0	34.3 +- 1.0; 5.1	29.1 +- 0.9; 5.1	28.2 +- 0.0
14	0	0.0	31.8 +- 1.0; 4.8	27.0 +- 0.8; 4.8	23.0 +- 0.0
15	0	0.0	18.6 +- 0.6; 2.8	15.8 +- 0.5; 3.5	14.5 +- 0.0
16	0	0.0	26.7 +- 0.8; 4.0	22.6 +- 0.7; 4.3	20.3 +- 0.0

Transit Dose = 0.0 +- 0.3; 3.1

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