



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

May 22, 1992

MEMORANDUM FOR: F. Costello, Acting Chief, Nuclear Materials Safety  
Section B, NMSB, DRSS

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

SUBJECT: RESULTS OF TLD DIRECT RADIATION  
ENVIRONMENTAL MONITORING AT INS

The attachment to this memo provides the results of the subject monitoring for the first quarter 1992. The TLDs were in place for 71 days, from January 7 to March 17, 1992. They were annealed on January 6 and read on April 30, 1992.

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

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

Attachment: As stated

cc:  
J. Joyner, FRSSB  
R. Bellamy, NMSB

165052

9209170036 920522  
REG1 LIC30  
37-23341-01 CF

HX05  
000000

INS  
 FLD Direct Radiation Environmental Monitoring  
 For the period 920106-920430 116 Days  
 Field Time: 71 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	130.2 +- 3.9; 19.5	159.3 +- 5.0; 25.0	121.7 +-53.5
2	0	0.0	141.8 +- 4.3; 21.3	173.9 +- 5.4; 27.1	141.2 +-64.2
3	0	0.0	17.7 +- 0.5; 2.7	16.6 +- 0.8; 4.6	20.0 +- 3.3
4	0	0.0	30.7 +- 0.9; 4.6	33.1 +- 1.2; 6.6	33.3 +- 7.4
5	0	0.0	15.8 +- 0.5; 2.4	14.2 +- 0.7; 4.3	17.1 +- 2.5
6	0	0.0	17.7 +- 0.5; 2.7	16.7 +- 0.8; 4.6	18.7 +- 1.6
7	0	0.0	Damaged Dosimeter	No Net Data	21.5 +- 6.9
8	0	0.0	19.7 +- 0.6; 3.0	19.2 +- 0.8; 4.9	21.1 +- 3.8
9	0	0.0	18.1 +- 0.5; 2.7	17.2 +- 0.8; 4.6	19.8 +- 3.2
10	0	0.0	16.9 +- 0.5; 2.5	15.6 +- 0.8; 4.5	18.4 +- 1.1
11	0	0.0	17.9 +- 0.5; 2.7	16.9 +- 0.8; 4.6	19.8 +- 3.0
12	0	0.0	24.6 +- 0.7; 3.7	25.3 +- 1.0; 5.6	27.5 +- 1.5
13	0	0.0	27.3 +- 0.8; 4.1	28.8 +- 1.1; 6.1	34.6 +-10.7
14	0	0.0	24.0 +- 0.7; 3.6	24.6 +- 1.0; 5.5	28.6 +- 3.5
15	0	0.0	16.4 +- 0.5; 2.5	15.0 +- 0.7; 4.4	16.4 +- 1.8
16	0	0.0	19.2 +- 0.6; 2.9	18.5 +- 0.8; 4.8	20.8 +- 2.6

Transit Dose = 4.6 +- 0.3; 2.4