



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

August 27, 1993

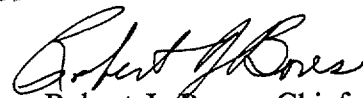
MEMORANDUM FOR: John D. Kinneman, Chief, Research, Development & Decommissioning Section B, NMSB, DRSS

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 second quarter 1993. The TLDs were in place for 86 days, from May 6 to July 13, 1993. They were annealed on May 5 and read on July 29, 1993.

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

INS  
 TLD Direct Radiation Environmental Monitoring  
 For the period 930505-930729 86 Days  
 Field Time: 69 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	130.0 +- 3.9; 19.5	168.1 +- 5.1; 25.6	135.1 +- 41.7
2	0	0.0	148.7 +- 4.5; 22.3	192.5 +- 5.8; 29.2	156.5 +- 49.2
3	0	0.0	18.5 +- 0.6; 2.8	22.7 +- 0.8; 4.5	19.7 +- 2.8
4	0	0.0	30.5 +- 0.9; 4.6	38.3 +- 1.2; 6.6	33.6 +- 5.4
5	0	0.0	15.7 +- 0.5; 2.4	19.1 +- 0.7; 4.1	16.7 +- 2.3
6	0	0.0	16.8 +- 0.5; 2.5	20.5 +- 0.7; 4.3	18.4 +- 1.7
7	0	0.0	19.2 +- 0.6; 2.9	23.6 +- 0.8; 4.7	20.9 +- 5.6
8	0	0.0	22.7 +- 0.7; 3.4	28.1 +- 0.9; 5.2	21.3 +- 3.4
9	0	0.0	18.4 +- 0.6; 2.8	22.6 +- 0.8; 4.5	19.6 +- 2.7
10	0	0.0	16.3 +- 0.5; 2.4	19.8 +- 0.7; 4.2	18.1 +- 1.6
11	0	0.0	19.1 +- 0.6; 2.9	23.5 +- 0.8; 4.6	19.6 +- 3.1
12	0	0.0	24.2 +- 0.7; 3.6	30.1 +- 1.0; 5.5	27.4 +- 1.8
13	0	0.0	14.8 +- 0.4; 2.2	17.8 +- 0.6; 4.0	30.7 +- 10.1
14	0	0.0	23.6 +- 0.7; 3.5	29.4 +- 1.0; 5.4	27.6 +- 2.9
15	0	0.0	13.5 +- 0.4; 2.0	16.2 +- 0.6; 3.8	16.1 +- 1.5
16	0	0.0	18.2 +- 0.5; 2.7	22.2 +- 0.8; 4.5	20.8 +- 2.4

Transit Dose = 1.1 +- 0.2; 2.1

INS

For the period 930505-930729

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	43.4 +- 53.9	16
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	43.4 +- 53.9	16
2 - 5	No Data +- No Data	0
> 5	No Data +- No Data	0
Upwind Control	No Data +- No Data	0