



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

030-20934
37-23341-01

January 6, 1992

MEMORANDUM FOR: J. Kinneman, 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 third quarter 1991. The TLDs were in place for 98 days, from June 27 to October 2, 1991. They were annealed on June 13 and read on November 14, 1991.

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:
R. Bellamy, DRSS

170069

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9201210063 920106
REB1 LIC90
37-23341-01 PDR

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INS
 TLD Direct Radiation Environmental Monitoring
 For the period 910613-911114 155 Days
 Field Time: 98 Days

NRC Sta	Location		Gross	Net Exposure Rate	Hist. Range
	Azimuth/Dist (Deg)/(Mi)		Exposure (mR) +-Rdm; Tot.	(mR/Std. Qtr.) +-Rdm; Tot.	Net Exp Rate +-1 Std Dev
1	0	0.0	212.9 +- 6.4; 31.9	190.4 +- 5.9; 29.5	97.1 +-45.6
2	0	0.0	237.2 +- 7.1; 35.6	212.8 +- 6.5; 32.8	110.4 +-54.8
3	0	0.0	26.2 +- 0.8; 3.9	19.1 +- 0.8; 4.7	19.9 +- 4.2
4	0	0.0	46.3 +- 1.4; 6.9	37.5 +- 1.3; 7.1	30.7 +- 8.0
5	0	0.0	23.1 +- 0.7; 3.5	16.2 +- 0.7; 4.4	17.2 +- 3.2
6	0	0.0	24.5 +- 0.7; 3.7	17.5 +- 0.8; 4.5	18.9 +- 1.9
7	0	0.0	25.5 +- 0.8; 3.8	18.4 +- 0.8; 4.6	22.2 +- 8.6
8	0	0.0	27.2 +- 0.8; 4.1	19.9 +- 0.8; 4.8	20.6 +- 4.4
9	0	0.0	22.5 +- 0.7; 3.4	15.6 +- 0.7; 4.3	20.9 +- 3.1
10	0	0.0	25.2 +- 0.8; 3.8	18.1 +- 0.8; 4.6	18.4 +- 1.4
11	0	0.0	24.7 +- 0.7; 3.7	17.7 +- 0.8; 4.6	19.5 +- 3.3
12	0	0.0	34.0 +- 1.0; 5.1	26.2 +- 1.0; 5.6	27.9 +- 1.7
13	0	0.0	50.2 +- 1.5; 7.5	41.1 +- 1.4; 7.6	33.9 +-13.0
14	0	0.0	39.4 +- 1.2; 5.9	31.1 +- 1.1; 6.2	27.8 +- 4.2
15	0	0.0	22.0 +- 0.7; 3.3	15.1 +- 0.7; 4.3	16.7 +- 2.2
16	0	0.0	26.4 +- 0.8; 4.0	19.2 +- 0.8; 4.7	21.1 +- 3.2

Transit Dose = 5.5 +- 0.4; 3.3

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INS

For the period 910613-911114

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	44.7 +- 61.9	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	44.7 +- 61.9	16
2 - 5	No Data +- No Data	0
> 5	No Data +- No Data	0
Upwind Control	No Data +- No Data	0

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