



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

November 18, 1993

MEMORANDUM FOR: Mohamed M. Shanbaky, Chief, Research and
Development Section B, NMSB, DRSS

FROM: Richard K. Struckmeyer, Sr. Radiation Specialist,
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 1993. The TLDs were in place for 87 days, from July 13 to October 7, 1993. They were annealed on July 12 and read on October 27, 1993.

Please contact me if you have any questions.

A handwritten signature in cursive script, reading "Richard K. Struckmeyer", is positioned above the typed name.

Richard K. Struckmeyer
Sr. Radiation Specialist
Effluents Radiation Protection
Section, FRSSB

Attachment: As stated

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

INS

TLD Direct Radiation Environmental Monitoring

For the period 930712-931027 108 Days

Field Time: 87 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	169.0 +- 5.1; 25.4	172.0 +- 5.3; 26.4	137.8 +-40.9
2	0 0.0	186.2 +- 5.6; 27.9	189.7 +- 5.8; 29.0	159.5 +-48.1
3	0 0.0	21.9 +- 0.7; 3.3	19.7 +- 0.7; 4.4	19.9 +- 2.8
4	0 0.0	38.4 +- 1.2; 5.8	36.8 +- 1.2; 6.6	34.0 +- 5.4
5	0 0.0	19.2 +- 0.6; 2.9	17.0 +- 0.7; 4.1	16.9 +- 2.3
6	0 0.0	20.2 +- 0.6; 3.0	18.0 +- 0.7; 4.2	18.6 +- 1.7
7	0 0.0	20.5 +- 0.6; 3.1	18.3 +- 0.7; 4.3	21.2 +- 5.3
8	0 0.0	Missing Dosimeter	No Net Data	21.9 +- 3.8
9	0 0.0	22.9 +- 0.7; 3.4	20.8 +- 0.8; 4.6	19.9 +- 2.7
10	0 0.0	19.4 +- 0.6; 2.9	17.1 +- 0.7; 4.1	18.3 +- 1.6
11	0 0.0	21.2 +- 0.6; 3.2	19.1 +- 0.7; 4.4	20.0 +- 3.2
12	0 0.0	28.9 +- 0.9; 4.3	27.0 +- 0.9; 5.3	27.6 +- 1.9
13	0 0.0	24.1 +- 0.7; 3.6	22.0 +- 0.8; 4.7	29.7 +-10.3
14	0 0.0	31.3 +- 0.9; 4.7	29.5 +- 1.0; 5.6	27.7 +- 2.8
15	0 0.0	23.2 +- 0.7; 3.5	21.1 +- 0.8; 4.6	16.1 +- 1.5
16	0 0.0	Missing Dosimeter	No Net Data	20.9 +- 2.3

Transit Dose = 2.8 +- 0.3; 2.7