

January 3, 1996

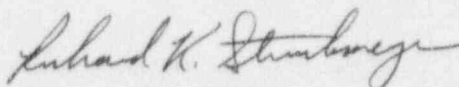
Mr. James J. McGovern
Plant Manager
Cintichem, Inc.
PO Box 816
Tuxedo, NY 10987

SUBJECT: RESULTS OF NRC TLD DIRECT RADIATION MONITORING AROUND THE CINTICHEM FACILITY

Dear Mr. McGovern:

The results of the subject monitoring for the third quarter of 1995 are provided in the enclosure to this letter. Please feel free to contact me if you have any questions regarding this program.

Sincerely,



Richard K. Struckmeyer
Senior Radiation Specialist
Emergency Preparedness and
Safeguards Branch
Division of Reactor Safety

Docket Nos. 50-54; 70-687

Enclosure: As stated

cc w/encl:

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F. Morse, Project Manager, Decommissioning

Dr. W. Vernetson, TRTR

Dr. P. Merges, Director, Bureau of Radiation, NYS-DEC

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EPA Region II

State of New York

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Mr. James J. M. Govern

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CINTICHEM

TLD Direct Radiation Environmental Monitoring

For the period 950615-951019 127 Days

Field Time: 92 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	182	0.4	19.4 +- 0.6; 2.9	17.7 +- 0.6; 3.9	15.8 +- 0.9
2	150	1.0	16.7 +- 0.5; 2.5	15.1 +- 0.6; 3.7	13.9 +- 0.9
3	110	2.0	19.4 +- 0.6; 2.9	17.7 +- 0.6; 3.9	16.5 +- 1.0
4	106	2.1	Missing Dosimeter	No Net Data	19.8 +- 1.6
5	82	2.9	26.9 +- 0.8; 4.0	25.1 +- 0.8; 4.8	22.9 +- 1.4
6	91	4.4	20.7 +- 0.6; 3.1	19.0 +- 0.7; 4.1	17.6 +- 1.1
7	106	7.3	22.1 +- 0.7; 3.3	20.3 +- 0.7; 4.2	19.2 +- 1.5
8	135	6.6	19.2 +- 0.6; 2.9	17.5 +- 0.6; 3.9	18.1 +- 1.5
9	163	4.2	18.9 +- 0.6; 2.8	17.2 +- 0.6; 3.9	17.0 +- 1.0
10	129	3.9	20.5 +- 0.6; 3.1	18.8 +- 0.7; 4.1	18.0 +- 1.0
11	115	4.6	18.5 +- 0.6; 2.8	16.8 +- 0.6; 3.8	16.5 +- 0.6
12	74	3.9	18.7 +- 0.6; 2.8	17.0 +- 0.6; 3.9	16.0 +- 1.2
13	50	3.6	19.0 +- 0.6; 2.9	17.3 +- 0.6; 3.9	16.5 +- 1.1
14	22	4.1	19.1 +- 0.6; 2.9	17.4 +- 0.6; 3.9	17.1 +- 0.9
15	354	3.7	19.0 +- 0.6; 2.8	17.3 +- 0.6; 3.9	16.4 +- 1.0
16	359	2.1	20.0 +- 0.6; 3.0	18.3 +- 0.6; 4.0	17.4 +- 1.3
17	26	2.0	17.1 +- 0.5; 2.6	15.5 +- 0.6; 3.7	15.1 +- 0.8
18	47	1.6	19.6 +- 0.6; 2.9	17.9 +- 0.6; 4.0	17.0 +- 0.7
19	72	0.8	18.2 +- 0.5; 2.7	16.5 +- 0.6; 3.8	16.7 +- 0.7
20	335	7.3	18.5 +- 0.6; 2.8	16.8 +- 0.6; 3.8	16.7 +- 0.7

Transit Dose = 1.3 +- 0.3; 2.8

CINTICHEM

For the period 950615-951019

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.8 +- 0.7	2
11.26 - 33.75 NNE	16.4 +- 1.4	2
33.76 - 56.25 NE	17.3 +- 0.0	1
56.26 - 78.75 ENE	17.0 +- 0.0	1
78.76 - 101.25 E	22.0 +- 4.3	2
101.26 - 123.75 ESE	18.3 +- 1.8	3
123.76 - 146.25 SE	18.1 +- 0.9	2
146.26 - 168.75 SSE	16.1 +- 1.5	2
168.76 - 191.25 S	17.7 +- 0.0	1
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	16.5 +- 1.4	4
2 - 5	18.4 +- 2.5	10
> 5	18.9 +- 2.0	2
Upwind Control	17.1 +- 0.7	3