

February 29, 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 fourth 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,

ORIGINAL SIGNED BY:

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
Rita Aldrich, Principal Radiophysicist, Radiological Health Unit, NYS-DOH
Joseph J. Ribando, Town of Tuxedo Supervisor
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EPA Region II
State of New York

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J. J. McGovern

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CINTICHEM

TLD Direct Radiation Environmental Monitoring

For the period 950921-960206 139 Days

Field Time: 91 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	21.6 +- 0.6; 3.2	18.1 +- 0.7; 4.3	15.9 +- 0.9
2	150 1.0	17.6 +- 0.5; 2.6	14.1 +- 0.6; 3.9	14.0 +- 0.9
3	110 2.0	22.9 +- 0.7; 3.4	19.4 +- 0.8; 4.5	16.5 +- 1.0
4	106 2.1	25.1 +- 0.8; 3.8	21.5 +- 0.8; 4.7	19.8 +- 1.6
5	82 2.9	25.3 +- 0.8; 3.8	21.7 +- 0.8; 4.7	23.0 +- 1.5
6	91 4.4	20.8 +- 0.6; 3.1	17.3 +- 0.7; 4.2	17.7 +- 1.1
7	106 7.3	23.0 +- 0.7; 3.5	19.5 +- 0.8; 4.5	19.3 +- 1.5
8	135 6.6	19.4 +- 0.6; 2.9	15.8 +- 0.7; 4.1	18.1 +- 1.4
9	163 4.2	20.7 +- 0.6; 3.1	17.2 +- 0.7; 4.2	17.0 +- 1.0
10	129 3.9	20.9 +- 0.6; 3.1	17.4 +- 0.7; 4.2	18.0 +- 0.9
11	115 4.6	21.4 +- 0.6; 3.2	17.9 +- 0.7; 4.3	16.5 +- 0.6
12	74 3.9	24.3 +- 0.7; 3.6	20.8 +- 0.8; 4.6	16.0 +- 1.2
13	50 3.6	20.0 +- 0.6; 3.0	16.5 +- 0.7; 4.1	16.6 +- 1.0
14	22 4.1	19.1 +- 0.6; 2.9	15.6 +- 0.7; 4.0	17.1 +- 0.9
15	354 3.7	19.7 +- 0.6; 3.0	16.2 +- 0.7; 4.1	16.4 +- 1.0
16	359 2.1	21.0 +- 0.6; 3.2	17.5 +- 0.7; 4.2	17.4 +- 1.3
17	26 2.0	18.4 +- 0.6; 2.8	14.9 +- 0.6; 4.0	15.1 +- 0.8
18	47 1.6	20.0 +- 0.6; 3.0	16.5 +- 0.7; 4.1	17.1 +- 0.7
19	72 0.8	19.7 +- 0.6; 3.0	16.2 +- 0.7; 4.1	16.6 +- 0.7
20	335 7.3	19.7 +- 0.6; 3.0	16.2 +- 0.7; 4.1	16.7 +- 0.7

Transit Dose = 3.3 +- 0.3; 2.9

CINTICHEM

For the period 950921-960206

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 0.9	2
11.26 - 33.75 NNE	15.3 +- 0.4	2
33.76 - 56.25 NE	16.5 +- 0.0	1
56.26 - 78.75 ENE	20.8 +- 0.0	1
78.76 - 101.25 E	19.5 +- 3.1	2
101.26 - 123.75 ESE	19.6 +- 1.5	4
123.76 - 146.25 SE	16.6 +- 1.1	2
146.26 - 168.75 SSE	15.6 +- 2.2	2
168.76 - 191.25 S	18.1 +- 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	16.6 +- 2.5	4
2 - 5	18.1 +- 2.2	11
> 5	17.7 +- 2.6	2
Upwind Control	16.3 +- 0.2	3