

70-687

CINTICHEM, INC.

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January 14, 1991

U. S. Nuclear Regulatory Commission  
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Rockville, MD 20852

Gentlemen:

SUBJECT: Cintichem Response to NRC Request for Additional  
Information Regarding Decommissioning Plan - Cintichem,  
Inc.

Enclosed please find Table 1A to the above referenced Cintichem  
Response. Table 1A was accidentally left out of the document  
when copies were made and distributed.

I apologize for any inconvenience.

Very truly yours,

*Barbara J. Connor*

B. J. Connor  
Administrative Assistant to  
J. J. McGovern/President

Enclosure

cc: Theodore S. Michaels  
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Add: T. Michaels Hr Encl  
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NFIR

TABLE 1A  
Structural and System Waste Volume and Isotopic Curie Content

Isotopic Ci Composition

	Primary Reactor	Reactor Building	Exterior Air Discharge and Stack	Old Reactor Cave Area Area 23-1	3rd Floor Reactor Building Area 26-1	Reactor Bldg 781' Elev. Area 30-1 through 30,3	Reactor Bldg Pump Room Area 32-1 through 33-4	Pool Gutter Area 26-7	Pool Walls Area 26-8	Ci Totals By Isotope
K <sup>40</sup>	-	5.87E-05	1.78E-04	2.35E-05	4.04E-05	-	-	3.85E-05	5.97E-04	9.36E-04
Mn <sup>54</sup>	< 2.84E-05	6.67E-06	5.58E-07	2.66E-06	4.58E-06	-	< 4.23E-06	3.43E-06	6.78E-05	1.18E-04
Fe <sup>59</sup>	< 2.84E-05	-	-	-	-	-	< 4.23E-06	3.03E-10	-	< 4.23E-06
Co <sup>57</sup>	-	-	-	-	-	-	-	-	-	0
Co <sup>58</sup>	-	-	-	-	-	-	-	2.72E-08	-	2.72E-08
Co <sup>60</sup>	3.41E-04	4.23E-05	1.56E-05	1.69E-05	2.91E-05	1.77E-04	5.18E-05	1.91E-05	4.30E-04	1.12E-03
Zn <sup>65</sup>	2.27E-04	2.11E-05	5.58E-07	8.45E-06	1.45E-05	-	3.38E-05	4.13E-05	2.15E-04	5.62E-04
Zr <sup>95</sup>	-	6.52E-06	-	2.61E-06	4.48E-06	-	-	1.31E-05	6.63E-05	9.30E-05
Nb <sup>95</sup>	6.25E-04	2.22E-05	5.58E-07	8.88E-06	1.53E-05	-	9.31E-05	1.70E-05	2.26E-04	1.01E-03
Ag <sup>108</sup>	< 2.84E-05	2.32E-05	8.92E-06	9.26E-06	1.59E-05	-	< 4.23E-06	4.54E-06	2.36E-04	< 3.30E-04
Ag <sup>110m</sup>	2.84E-04	1.03E-04	4.46E-06	4.13E-05	7.11E-05	-	4.23E-05	2.34E-05	1.05E-03	1.62E-03
Sb <sup>125</sup>	< 2.84E-05	5.65E-06	-	2.26E-06	3.88E-06	-	< 4.23E-06	1.69E-06	5.75E-05	< 1.02E-04
Cs <sup>134</sup>	< 2.84E-05	1.01E-06	5.58E-07	4.05E-07	6.97E-07	-	< 4.23E-06	8.43E-07	1.03E-05	4.64E-05
Cs <sup>137</sup>	< 2.84E-05	1.35E-06	1.34E-05	5.40E-07	9.30E-07	5.20E-05	< 4.23E-06	1.82E-06	1.37E-05	< 1.15E-04
Ce <sup>144</sup>	9.66E-04	1.44E-04	-	5.75E-05	9.89E-05	8.11E-04	1.44E-04	7.73E-05	1.46E-03	3.76E-03
Eu <sup>152</sup>	5.68E-05	5.22E-06	-	2.08E-06	3.59E-06	-	8.46E-06	4.54E-06	5.30E-05	1.34E-04
Eu <sup>155</sup>	-	1.30E-06	-	5.21E-07	8.96E-07	-	-	-	1.33E-05	1.57E-05
Total Curies	2.56E-03	4.43E-04	2.23E-04	1.77E-04	3.04E-04	1.04E-03	3.81E-04	2.48E-04	4.65E-03	1.00E-02
In-Situ Volume [CF]	2,521	1,564	8,210	50.3	85.9	267.6	104	8.1	75.6	12,887