

FAX COVER PAGE

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DATE: 8/22/00

LOCAL TIME: 10:00am

SENDER'S NAME: Tom Knapp

TO: COMPANY NRC

ADDRESS \_\_\_\_\_

ATTENTION Leslie Fields

FAX NO. 301-415-5390

NOTES:

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PLEASE CALL SENDER IMMEDIATELY.

**CABOT**

As proud of our quality as we are of our name,

CABOT PERFORMANCE MATERIALS  
County Line Road  
P.O. Box 1608  
Boyertown, PA 19512-1608

(610) 369-8462/Cheryl

FAX: (610) 369-8393

40-6940

**CABOT**

August 22, 2000

U.S. Nuclear Regulatory Commission  
Ms. Leslie Fields  
Licensing Section  
Fuel Cycle Licensing Branch  
Division of Fuel Cycle Safety and Safeguards, NMSS  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Dear Ms Fields:

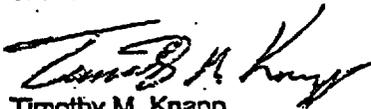
Per our discussion on Tuesday, August 15, 2000 regarding the disposal of "unimportant quantities" of radioactive materials, attached is the tabulation for the material slated for disposal at WCS' facility in Andrews, Texas.

As mentioned in our conversation there is quite a bit of urgency in having the NRC expedite their review of Cabot's Safety Analysis submittal. The urgency stems from a phone call received from the contracted trucking firm. The trucking firm's trailers have been on site for 4 weeks and they have implied that they are quite anxious to retrieve their trailers from the Cabot site. While no action has been taken to date, I would like to avoid any conflict with the carriers of our waste.

All trucks are currently loaded and ready to ship. We have approval from WCS on all waste streams as of August 18, 2000. However, the Texas Department of Health will not approve WCS' receiving our shipments until the Nuclear Regulatory Commission gives their "approval". Our position is that the submitted safety analysis for the material that is ready to ship is quite similar to Mallinckrodt's, which the Commission recently approved, and we hope the Commission considers this in their review and approval process of Cabot's submittal.

Due to the current situation at the site I am requesting, if at all possible, the NRC's approval of the submitted Safety Analysis by the end of next week, September 1, 2000. I am available for any further questions or concerns regarding this issue and am willing to meet with your staff if needed.

Sincerely,  
CABOT PERFORMANCE MATERIALS



Timothy M. Knapp  
Radiation Safety Officer

NRC-082200.tmk.doc

NMSS01 Public



Cabot Performance Materials  
P.O. Box 1606  
County Line Road  
Boyertown, Pennsylvania 19512-1606  
Phone: 610-367-2181

**Cabot Performance Materials  
Summary of Profiles of Waste to be Shipped to WCS**

Material Type	Approximate Density (g/cc)	Total U (pCi/g)	Total Th (pCi/g)
Plastic/Fiberglass	1.25	8	2
Steel	7.9	0.8	0.2
Macadam/Soil	1.6	132	28
Other (Trash)	1.25	8	2
Wood	0.9	8	2
Sludge	2	105	29
Brick/Concrete	2.2	78	47
Carbon Brick	2.5	85	13
High Activity Residue	2	800	200

Note: There were several sample values with total U and Total Th that were on the order of several hundred pCi/g. These samples came from individual drums or residues with a total volume less than 200 ft<sup>3</sup>. These high activity samples were evenly distributed throughout each trailer. For the calculation it was conservatively assumed that 1% of each trailer volume included this high activity material. High activity materials that exceeded RCRA TCLP concentrations are not part of this shipment and were not included in the calculations.

Trailer #	Volume (m <sup>3</sup> )	Plastic Fiberglass	Steel	Macadam/Soil	Other (Trash)	Wood	Sludge	Brick/Concrete	Carbon Brick	High Activity Residues	Total	Ratio to Total Th	Ratio to Total U	Total
55	30.5	70.0%	10.0%	10.0%	3.0%	5.0%	0.0%	0.0%	1.0%	1.0%	100.0%	0.05	0.07	0.12
60	30.5	60.0%	0.0%	20.0%	15.0%	0.0%	0.0%	0.0%	4.0%	1.0%	100.0%	0.10	0.15	0.25
261	15.6	0.0%	0.0%	50.0%	39.0%	0.0%	0.0%	0.0%	10.0%	1.0%	100.0%	0.17	0.27	0.43
61	30.5	0.0%	70.0%	15.0%	11.0%	0.0%	0.0%	0.0%	3.0%	1.0%	100.0%	0.02	0.03	0.05
623	38.2	40.0%	20.0%	0.0%	0.0%	0.0%	0.0%	39.0%	0.0%	1.0%	100.0%	0.14	0.08	0.22
249	15.6	0.0%	0.0%	50.0%	39.0%	0.0%	0.0%	0.0%	10.0%	1.0%	100.0%	0.17	0.27	0.43
619	38.2	79.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	100.0%	0.10	0.14	0.24
179	38.2	0.0%	30.0%	10.0%	15.0%	40.0%	0.0%	0.0%	4.0%	1.0%	100.0%	0.03	0.05	0.08
168	38.2	39.0%	25.0%	25.0%	0.0%	10.0%	0.0%	0.0%	0.0%	1.0%	100.0%	0.05	0.07	0.12
161	38.2	0.0%	30.0%	40.0%	15.0%	10.0%	0.0%	0.0%	4.0%	1.0%	100.0%	0.06	0.09	0.15
171	38.2	0.0%	20.0%	0.0%	0.0%	0.0%	20.0%	59.0%	0.0%	1.0%	100.0%	0.21	0.14	0.35
165	38.2	0.0%	40.0%	0.0%	15.0%	0.0%	0.0%	40.0%	4.0%	1.0%	100.0%	0.10	0.06	0.16
146	38.2	0.0%	30.0%	60.0%	7.0%	0.0%	0.0%	0.0%	2.0%	1.0%	100.0%	0.08	0.12	0.20
447	30.5	49.0%	20.0%	0.0%	0.0%	0.0%	0.0%	30.0%	0.0%	1.0%	100.0%	0.12	0.07	0.19
499	30.5	49.0%	20.0%	0.0%	0.0%	0.0%	0.0%	30.0%	0.0%	1.0%	100.0%	0.29	0.22	0.51
123	38.2	39.0%	0.0%	20.0%	0.0%	0.0%	0.0%	40.0%	0.0%	1.0%	100.0%	0.11	0.10	0.21
100	38.2	39.0%	20.0%	20.0%	0.0%	0.0%	0.0%	20.0%	0.0%	1.0%	100.0%	0.23	0.20	0.43
625	38.2	9.0%	10.0%	40.0%	0.0%	0.0%	0.0%	40.0%	0.0%	1.0%	100.0%	0.04	0.06	0.10
347	38.2	20.0%	40.0%	30.0%	7.0%	0.0%	0.0%	0.0%	2.0%	1.0%	100.0%	0.09	0.06	0.16
365	38.2	30.0%	30.0%	0.0%	7.0%	0.0%	0.0%	30.0%	2.0%	1.0%	100.0%	0.10	0.06	0.15
7181	38.2	19.0%	30.0%	0.0%	0.0%	20.0%	0.0%	30.0%	0.0%	1.0%	100.0%	0.10	0.06	0.15
8254	38.2	19.0%	30.0%	0.0%	0.0%	20.0%	0.0%	30.0%	0.0%	1.0%	100.0%	0.10	0.06	0.15