

September 9, 2005

Mr. Wayne Reiber  
Manager, Environmental Assessment and Remediation  
Cabot Corporation  
157 Concord Road  
P.O. Box 7001  
Billerica, MA 01821-7001

SUBJECT: ACCEPTANCE OF CABOT'S REVISED DECOMMISSIONING PLAN AND  
RADIOLOGICAL ASSESSMENT FOR THE CABOT-READING SITE

Dear Mr. Reiber:

This letter is in response to your June 14, 2005, proposed response to the U.S. Nuclear Regulatory Commission's (NRC) request for additional information (RAI) for the Cabot Reading, Pennsylvania, site. On March 21, 2003, the NRC RAI identified three areas where additional information was necessary in order for the staff to complete its review of Cabot's Decommissioning Plan (DP), Radiological Assessment (RA) and additional information provided by Cabot in November 2002.

The NRC staff has completed an expanded acceptance review of your submitted DP and RA. The expanded acceptance review is an administrative review designed to identify significant deficiencies in DPs. We have determined that your DP submission is sufficiently complete to initiate a detailed technical review. However, NRC staff note several general areas where additional information will be necessary. Specific details will be provided upon completion of full review of Cabot's DP and RA. However, in general terms, we expect to have questions related to the following:

- (1) Use of the rip-rap cover design
- (2) Rock durability for the rip rap cover
- (3) Quality assurance/quality control for rock emplacement
- (4) Site-specific factors referenced in the Radiological Assessment
- (5) Financial assurance for the site. This information was requested in NRC's August 2004 letter

In accordance with the requirements in Subpart L - Informal Hearing Procedures for NRC Adjudications, of 10 CFR Part 2, as amended on January 14, 2004 (69 FR 2182), the NRC will provide an opportunity for informal hearing (10 CFR 1206) to any person whose interest may be affected by this proceeding.

W. Reiber

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This letter will be made available electronically in the NRC Public Document Room or from the Publically Available Records (PARS) component of the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

The NRC staff suggest meeting to discuss the revised DP and RA as we develop our request for additional information.

Please contact Ted Smith at (301) 415-6721, if you have any questions.

Sincerely,

**/RA/**

Daniel M. Gillen, Deputy Director  
Decommissioning Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 40-9027  
License No.: SMC-1562

cc: Cabot Reading Site Mailing List

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Daniel M. Gillen, Deputy Director  
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DATE	8/31/2005		9/09/2004		9/09/2005		9/09/2005	

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## Cabot Corporation Service List

cc:

Wayne M. Reiber  
Manager, Environmental  
Assessment and Remediation  
Cabot Corporation  
157 Concord Road  
P.O. Box 7001  
Billerica, MA 01821-7001

Mr. Gregg A. Bogia, PE, PTOE  
Director of Transportation Engineering  
330 Revere Boulevard  
Sinking Spring, PA 19608

Tim Knapp, Radiation Safety Officer  
Cabot Performance Material, Inc.  
P.O. Box 1608, County Line Road  
Boyertown, PA 19512-1608

Bryan Werner  
PADEP -Radiation Protection  
Rachel Carson State Office Building  
P.O. Box 8469  
Harrisburg, PA 17105-8469

Steffan R. Helbig, PG  
ST Environmental Professional, Inc.  
RR 4, Box 239 Lutz Road  
Boyertown, PA 9512

Robert Maiers  
PADEP - Radiation Protection  
Rachel Carson State Office Building  
P.O. Box 8469  
Harrisburg, PA 17105-8469

Jonathan E. Rinde, Esq  
Manko, Gold, and Katcher, LLP  
401 City Avenue, Suite 500  
Bala-Cynwyd, PA 19004

Mr. Thomas McMahon, Mayor  
Office of the Mayor  
City Hall  
815 Washington St.  
Reading, PA 19601

Carl Engleman  
Rhoda, Stoudt, & Bradley  
501 Washington Street, Box 877  
Reading, PA 19601