

**Mallinckrodt**

May 14, 2003

Mr. John Buckley, Project Manager  
Low-Level Waste and Decommissioning Projects Branch  
Division of Waste Management  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Ref: Docket No. 40-6563; License No. STB-401  
Mallinckrodt, Inc., C-T Project Decommissioning Plan – Phase II

Dear Mr. Buckley:

In accordance with Materials License STB-401, Mallinckrodt, Inc. is submitting its Phase II Decommissioning Plan herewith. Phase II will complete decommissioning of grade-level and below-grade building slabs, paved surfaces, and subsurface materials affected by former C-T operations in order that they may be released for unrestricted use. Mallinckrodt's goal is to remediate regulated, radioactive material associated with C-T processing to the extent required to terminate Materials License STB-401.

Mallinckrodt requests that the NRC amend Materials License No. STB-401 to authorize C-T decommissioning as proposed in Phase II of its Decommissioning Plan, submitted herewith. Indication that our Phase II Plan is responsive to the NRC Standard Review Plan is enclosed.

Remediation of radioactive residues remaining from MED-AEC activity in other areas of the St. Louis Plant has previously been performed by the U.S. Department of Energy and is currently being performed by the U.S. Army Corps of Engineers under the Formerly Utilized Sites Remedial Action Program. Delineation of responsibility for remediation, particularly in the area of unreacted ore within Plant 6 of the St. Louis Plant, remains to be decided between Mallinckrodt and the U.S. Army Corps of Engineers. Mallinckrodt intends that its responsibility for any C-T residue remediation in those areas in question will be addressed in a separate license amendment request to remove that source material.

Page 2 of 2  
05/14/2003  
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Mallinckrodt continues to want to decommission the C-T as soon as is reasonable. If additional information is needed to enable approval of the decommissioning plan, please contact me at (314) 654-6393.

Sincerely yours

*Baren Burke*

*for*

Jim Grant  
C-T Decommissioning Project Manager

Cc: NRC Document Control Desk  
Mr. Jean-Claude Dehmel, U.S. NRC  
Mr. Peter Lee, U.S. NRC Region III  
Ms. Josephine Wade, MDNR