

January 29, 2007

Ms. Karen M. Burke
CT Decommissioning Project Manager
Mallinckrodt Chemical, Inc.
Mallinckrodt & Second Streets
P.O. Box 5439
St. Louis, MO 63147

SUBJECT: LICENSE NUMBER STB-401, NOTIFICATION OF B250 MOTOR CONTROL CENTER MAINTENANCE PROJECT

Dear Ms. Burke:

I am responding to your letter of December 21, 2006. In that letter (ADAMS Accession No.: ML07009039) you notified the U.S. Nuclear Regulatory Commission (NRC) of Mallinckrodt's intent to install a new Motor Control Center (MCC) immediately south of Building 250 (Mallinckrodt ref. - Project ME843: New MCC). You requested receipt of NRC's approval to conduct this maintenance project under the above existing NRC license. You stated this project is needed to provide additional power for Building 250 in order to allow for this manufacturing building to create safer working conditions for the operators by upgrading the lighting in the process areas. You further stated alternative locations were evaluated for the MCC, but due to project costs and space limitations were determined to be prohibitive. Other supporting information in your letter indicated that the new MCC foundation will be constructed in an area that has been identified in the Mallinckrodt's Columbian-Tantalum Phase II Decontamination & Decommissioning Plan, currently under NRC review, as a Class 3 survey area (this area has not been released by the NRC for unrestricted use). You stated Mallinckrodt expects that approximately 150 sq. ft of existing pavement/subsurface will be impacted by this project. Mallinckrodt will prepare a dedicated Work Plan (containing a radiation protection plan section) to specify procedures for MCC foundation footers soil removal, sample collection and analysis, and a final status survey. You also committed the project will be supported by a full time Health Physicist.

On January 3, 2007, during a followup telephone call, you provided additional clarifying information to me in support of Mallinckrodt request. You mentioned the prime purpose of excavation is to drive Helical piers in support of pouring foundation footers that will not require more than 1ft -6 inches to 2 ft in excavation. Excavation will be limited as detailed out in the supporting drawing titled: Building 250 Structural Foundation Plan and Details (Section 5), prepared for Mallinckrodt by CH2MHill Lockwood Green (DWG No.: 0250-802-SK2). You noted the existing analytical data submitted to NRC, as part of Phase II Decommissioning Plan (DP), indicates that contamination in the proposed foundation area is limited to the top 6 inches of the soil. You further committed that all excavated material will be safely stored on site until such time as Mallinckrodt has an approved Phase II DP to safely dispose of the excavated soil/pavement material. You stated Mallinckrodt will perform this work at risk because Building 250 has essentially run out of adequate supply of electricity, constructing the new MCC is an imperative decision to enable Mallinckrodt to continue its normal business operations safely.

As stated above NRC is not prepared to release the area south of Building 250 from Mallinckrodt's license at this time. However, we have reviewed the information Mallinckrodt has provided in support of its request and we have no objection to Mallinckrodt proceeding with your specified planned maintenance project. Mallinckrodt should ensure that the conduct of this project in this area will not re-contaminate any areas previously remediated through implementation of the Radiation Protection Program, compliance with relevant portions of Section 3.6.5 - Temporary On-site Storage of Radioactive Waste Prior to Shipment in Mallinckrodt's approved Phase I DP, as well as the appropriate requirements in Attachment 2 - Administrative Control Plan of Phase I DP, in particular, preparation of a final status survey and record keeping.

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). This information is also available on NRC's website at: <http://www.nrc.gov/materials/decommissioning/public-involve.html>

If you have any questions or comments regarding this matter, please contact me at (301) 415-0023, or by email at aak@nrc.gov.

Sincerely,

/RA/

Amir Kouhestani, Project Manager
Decommissioning & Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 40-6563
License No.: STB-401

cc: Mallinckrodt Service List

K. Burke

2

As stated above NRC is not prepared to release the area south of Building 250 from Mallinckrodt's license at this time. However, we have reviewed the information Mallinckrodt has provided in support of its request and we have no objection to Mallinckrodt proceeding with your specified planned maintenance project. Mallinckrodt should ensure that the conduct of this project in this area will not re-contaminate any areas previously remediated through implementation of the Radiation Protection Program, comply with relevant portions of Section 3.6.5 - Temporary On-site Storage of Radioactive Waste Prior to Shipment in Mallinckrodt's approved Phase I DP, as well as the appropriate requirements in Attachment 2 - Administrative Control Plan of Phase I DP, in particular, preparation of a final status survey and record keeping.

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). This information is also available on NRC's website at: <http://www.nrc.gov/materials/decommissioning/public-involve.html>

If you have any questions or comments regarding this matter, please contact me at (301) 415-0023, or by email at aak@nrc.gov.

Sincerely,

/RA/

Amir Kouhestani, Project Manager
Decommissioning & Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 40-6563
License No.: STB-401

cc: Mallinckrodt Service List

DISTRIBUTION:

DWMEP r/f KIMcConnell RidsOgcMailCenter RidsRgn3MailCenter

ML070240232

OFFICE	DWMEP:PM	DWMEP:LA	DWMEP:BC
NAME	AKouhestani	TMixon	RTadesse
DATE	1/22/07	11/23/07	1/29/07

OFFICIAL RECORD COPY

cc. Mallinckrodt Chemical Inc. Service List

Pat Duft,
Senior Vice President, Legal
Mallinckrodt Inc.
675 McDonnell Blvd
PO Box 5840
St. Louis, MO 63134

Henry Morton
Morton Associates
10421 Masters Terrace
Potomac, MD 20854

Larry Erickson, Chief
Federal Facilities Section
Missouri Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102-0176

Aaron Schmidt, Unit Chief
Federal Facilities Section
Missouri Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102-0176

Jo Anne Wade
Missouri Department of Natural Resources
Hazardous Waste Program
917 N. Hwy 67, Suite 104
Florissant, MO 63031

Sharon Cotner
U.S. Army Corps of Engineers
FUSRAP
8945 Latly Avenue
Berkley, MO 63134