

March 23, 2006

Mr. Jim Grant  
C-T Decommissioning Project Manager  
Mallinckrodt Chemical, Inc.  
Mallinckrodt & Second Streets  
P.O. Box 5439  
St. Louis, MO 63147

SUBJECT: MALLINCKRODT REVISED PHASE II DECOMMISSIONING PLAN SUBMITTAL

Dear Mr. Grant:

I am writing to you in followup to our January 24, 2006, meeting with your staff in which we discussed Mallinckrodt's responses and clarifications to the U.S. Nuclear Regulatory Commission's (NRC)'s prior requests for additional information (RAIs) on the Mallinckrodt Phase II Decommissioning Plan (DP). In order to continue to build on the positive recent progress made, this letter clarifies what my staff will need to move toward approval of your DP.

First, prior to progressing on RAI resolution, Mallinckrodt needs to complete its selection of one of the License Termination Rule (LTR) compliance strategy options that we discussed in our October 2005, meeting relating to Mallinckrodt's area decommissioning boundary determination. Once this has been established, we can continue to resolve RAIs and ultimately receive and accept a revised DP. We would like your decision within 30 calendar days from the date of this letter. You should note that once we have been informed of your selection of the boundary option, it is likely that additional dose modeling questions will result from this clarification. Additionally, note as staff initiate preparation of an Environmental Assessment (EA) report for Mallinckrodt's proposed Phase II decommissioning activities, there will be additional RAIs with respect to preparing the EA.

I encourage you to continue informal status discussions with the NRC project manager (PM), Amir Kouhestani, with the goal of providing updates toward resolution of any outstanding issues, and the progress made toward completing the revised DP.

In accordance with 10 CFR 2.390 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records component of NRC's Agencywide Document Access & Management System (ADAMS). ADAMS is accessible from NRC's website 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>.

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If you have any question or comments regarding this, please contact my PM, Amir Kouhestani, at (301) 415-0023.

Sincerely,

**/RA/**

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

J. Grant

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If you have any question or comments regarding this, please contact my PM, Amir Kouhestani, at (301) 415-0023.

Sincerely,

**/RA/**

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

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| OFFICE | DWMEP:PM                | DWMEP:SC | DWMEP:DD |
| NAME   | ASnyder for AKouhestani | ASnyder  | DGillen  |
| DATE   | 3/22/06                 | 3/22/06  | 3/22/06  |

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