

40-6563

**Mallinckrodt Chemical Inc.**

16305 Swingley Ridge Drive  
Chesterfield, MO 63017

October 9, 1996

Mr. Charles E. Gaskin, Project Manager  
Licensing Branch  
Division of Fuel Cycle Safety and Safeguards  
U.S. NUCLEAR REGULATORY COMMISSION  
Washington, DC 20555-0001

SUBJECT: MALLINCKRODT BUILDING 235 EXPANSION PROJECT WORK PLAN  
SUMMARY FOR SURFACE DECONTAMINATION AND FINAL SURVEY

REFERENCE: NRC LICENSE STB-401

Dear Mr. Gaskin:

As we discussed, attached for your review and timely concurrence is the subject work plan summary. We are delaying the start of any field work until we have your concurrence with this plan.

We sincerely hope you will conclude in reviewing the attached work plan summary that this decontamination / final survey project is relatively minor in scope and can be safely accomplished in accordance with the attached schedule. The engineering schedule for the building 235 expansion project indicates the need to complete the decontamination field work within the next 2 weeks to achieve the desired completion date. Mallinckrodt respectfully requests, therefore, that NRC expedites review of this work plan summary with this timing in mind.

The Mallinckrodt expansion project involves installation of a new equipment support structure on the building 235 east concrete pad. The identified surface contamination on the east pad and building east external wall will be decontaminated to below acceptable release limits. The process support structure will be installed partially over the pad area whose radioactivity status is identified by samples taken from phase 1 characterization boreholes 1 & 2. As indicated in the work plan summary, these background adjusted sum-of-ratio values comply with NRCs BTP Option 1 release criteria. The fact that installation of the 235 east pad preceded C-T production at the site explains the absence of potential C-T subsurface contamination in this area.

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As you suggested, I contacted Region 3 NRC Decommissioning Branch to review our planned decontamination / final survey activities with them. Following discussion of the scope of these activities with Ken Lambert, he indicated that they could perform verification surveys to expedite NRC release of this pad area for planned project activities. As indicated on the attached schedule, these verification surveys are tentatively scheduled to be complete by October 30, 1996

Again, due to the relatively minor scope of this decontamination / final survey effort, we anticipate that the NRC will work with Mallinckrodt in accordance with the attached schedule to complete reviews of the attached work plan summary and scheduled final survey report to release the building 235 pad area for planned project activities.

I will call you on Friday, October 11, 1996 to confirm your receipt of this work plan summary and discuss the timing issues associated with this project.

Sincerely,

*Robert F. Boland*

Robert F. Boland  
Environmental Program Manager

cc: Mr. Jim McCormick-Barger , Branch Chief  
Decommissioning Branch  
Region 3 Nuclear Regulatory Commission

**MALLINCKRODT BUILDING 235 EXPANSION PROJECT**

**DECONTAMINATION / FINAL SURVEY PLAN**

**DESIRED SCHEDULE**

<u>ACTIVITY</u>	<u>BY</u>
Issue Work Plan Summary to NRC for Review / Concurrence	10/9/96
NRC Complete Review / Communicate Concurrence with Plan	10/16/96
Field Completion of Surface Decontamination	10/23/96
Field Completion of Final Status Surveys	10/28/96
NRC Completion of Verification Surveys	10/30/96
Final Survey Summary Report to NRC	11/1/96
NRC Releases East Pad Area for Planned Project Expansion	11/6/96