

December 05, 2003

MEMORANDUM TO: Claudia M. Craig, Section Chief  
Section B  
Decommissioning Branch, DWM

FROM: John T. Buckley */RA/*  
Section B  
Decommissioning Branch, DWM

SUBJECT: MEETING REPORT FOR THE DECEMBER 2, 2003, PUBLIC MEETING  
IN ST. LOUIS, MO, REGARDING THE MALLINCKRODT INC.,  
FACILITY

On December 2, 2003, U.S. Nuclear Regulatory Commission staff members conducted a public meeting in St. Louis, MO, to receive public input on Mallinckrodt Inc.'s, Phase 2 Decommissioning Plan. Attached is the meeting report documenting this meeting.

Attachment: Meeting Report

Docket: 040-06563  
License: STB-401

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OFC	DCB	DCB			
NAME	JBuckley	CBurkhalter			
DATE	12/05/03	12/05/03			

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## MEETING REPORT

Date: December 2, 2003

Time: 7:00 p.m. to 9:00 p.m.

Place: Clay Elementary Community Education Center  
3820 N 14<sup>th</sup> St.  
St. Louis, MO 63107

Purpose: To Receive Public Input on Mallinckrodt Inc.'s, Phase 2  
Decommissioning Plan

Attendees: See attached attendance list

### Background:

On November 11, 1997, Mallinckrodt Inc., (Mallinckrodt) submitted its Phase 1 Decommissioning Plan (DP) to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. Phase 1 of the decommissioning process includes demolition or decontamination of above ground buildings and equipment. Mallinckrodt submitted its Phase 2 DP to NRC for review and approval in May 2003. Phase 2 includes the cleanup of surface and subsurface soils, building foundations, sewerage, and waste water neutralization basins.

Most of the contamination at the Mallinckrodt facility is being remediated under the U.S. Department of Energy's Formerly Utilized Sites Remedial Action Program (FUSRAP) program managed by the U.S. Army Corps of Engineers (USACE). The NRC portion of the facility is being cleaned up by Mallinckrodt to terminate its NRC license.

### Discussion:

The meeting was opened at 7:00 p.m. Mr. Francis (Chip) Cameron opened the meeting with a discussion of the meeting agenda, format, and ground rules for participation. Ms. Claudia Craig then provided a general discussion about: (1) who the NRC is; (2) the Division of Waste Management's (DWM's) organizational structure; (3) the decommissioning regulations and release criteria; and (4) current decommissioning activities.

Next, Mr. John Buckley described DWM's decommissioning process, giving special attention to: (1) the content of Mallinckrodt's DP; (2) the DP review process; (3) activities following DP approval; (4) the decommissioning schedule; and (5) remaining opportunities for public involvement in the decommissioning process.

The final presentation of the evening was provided by Mr. Jim Grant, from Mallinckrodt. He provided a discussion of the history of the site, and outlined the activities that will take place during Phase 2.

Following the formal presentations, Mr. Cameron invited meeting attendees to ask questions and/or make comments regarding Mallinckrodt's Phase 2 DP. Many of the questions and comments from meeting attendees were related to the possible health affects caused by living next to, or working at, the Mallinckrodt facility when the plant was producing weapons material for the Manhattan Engineering District and later the Atomic Energy Commission (MED - AEC)

from 1942 through 1960. The NRC staff explained that the DP contains a health and safety plan to protect workers from over exposure during conduct of decommissioning activities. The staff also noted that the DP provides plans for environmental monitoring (air and groundwater) during remediation to ensure that radioactive material is not released at the site boundary during remediation. The staff did, however, defer to comment on the safety of the facility during production of MED-AEC weapons material.

Comments were received regarding the availability of the DP prior to the meeting. Attendees said that they were unable to find the DP in ADAMS. Several attendees requested that NRC provide copies of the DP to them. In addition, it was requested that NRC place a copy of the DP in the local public library. NRC agreed to provide a copy of the DP to those individuals who requested one. In addition, NRC agreed to provide a copy of the DP for placement in the local library.

Attendees also questioned the appropriateness of the 25 mrem/yr unrestricted release criteria. Attendees generally agreed that the Mallinckrodt site should not be released for unrestricted use if there is any residual contamination left on-site after remediation, regardless of the estimated dose. The staff reiterated that NRC's criteria for unrestricted release is 25 mrem/yr. If Mallinckrodt can satisfactorily demonstrate that the site meets the 25 mrem/yr criteria, NRC will release the site for unrestricted use.

Several attendees raised questions about Mallinckrodt's financial responsibility to remediate the site. The NRC staff explained that the DP contains a decommissioning cost estimate, which the staff will review to assure that it is reasonable. The staff further explained that Mallinckrodt is required to have financial assurance equal to the cost of decommissioning.

The State of Missouri, Department of Natural Resources, requested that NRC continue to consult with the State throughout the decommissioning process. The State identified several issues it thought should be more fully addressed in the DP, including: (1) non-radioactive hazardous waste; (2) worker health and safety, (3) groundwater monitoring; (4) consistency of release standards between the NRC and the USACE; and (5) long-term stewardship, maintain documentation.

One individual also asked whether the tin slag feed stock used in the Columbium - Tantalum (C-T) extraction process was licensed. NRC staff did not know the answer and agreed to provide a response to the individual at a later date.

The meeting was adjourned at 9:00 p.m.

Actions:

1. NRC staff will provide copies of the DP to meeting attendees who request a copy from John Buckley, via e-mail or phone.
2. NRC staff will make a copy of the DP available in the local public library.
3. NRC staff will research to find out if the C-T process tin slag feed stock producers were required to have an NRC license, and provide an e-mail response to the individual.

## ATTENDANCE LIST

(Spelling approximated for some names)

Sgt. Bergman	Karen Burke
Malanie Moun	Kevin Marshall
Jack Frauvenhofffer	Tom Bratkowsk
Tom Binz	Ralph Mills
Kay Drey	Pam Todorovich
Lynn Hensel	Robert Me
Armand Salas	Ruth Ezell
JoAnne Wade	James Wade
Bob Geller	John Buckley
Cornelia Burkhalter	Claudia Craig
Chip Cameron	K B Powell
Gregory Adams	Sally Price
Clarisse Eaton	Jim Grant
Jacque Mattingly	Daniel W McKeel, Jr.
P.O. Edwards	Dan Hoffman