

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Mallinckrodt Chemical, Inc./CT Decomm. Project Mallinckrodt and Second St., St. Louis, MO 63147		2. NRC/REGIONAL OFFICE REGION III US NUCLEAR REGULATORY COMMISSION 801 WARRENVILLE ROAD LISLE IL 60532-4351	
REPORT NUMBER(S) 040-06563/2007-001			
3. DOCKET NUMBER(S) 040-06563	4. LICENSE NUMBER(S) STB-00401	5. DATE(S) OF INSPECTION 02/06-09/2007	

LICENSEE:
The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

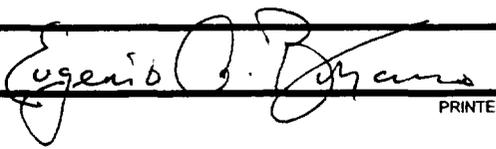
_____ non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE			
NRC INSPECTOR	Eugenio A. Bonano		2-8-07

WSnell for T. Cameron 2/16/07

NRC FORM 591M PART 3

U.S. NUCLEAR REGULATORY COMMISSION

(11-2003)
10 CFR 2.201

Docket File Information
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6. INSPECTION PROCEDURES USED IP 83890 and IP 87104		7. INSPECTION FOCUS AREAS

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT Karen M. Burke	4. TELEPHONE NUMBER 314-654-5838
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Main Office Inspection Next Inspection Date: TBD (PHASE II)

Field Office Inspection St. Louis, MO C-T Decommissioning Site

Temporary Job Site Inspection _____

PROGRAM SCOPE

The NRC inspectors reviewed and examined the licensee's decommissioning activities conducted under the authority of the licensee's approved C-T Phase 1 decommissioning project, which was completed in 2004. This included: 1) review of the licensee's contractor's radiological characterization data (to determine if MARSSIM classification of areas, equipment, and buildings was done adequately); 2) evaluation of ten final status survey (FSS) reports for buildings that had been released for unrestricted use; 3) discussions with the licensee and their contractor concerning the request for additional information (RAIs) (NRC letter dated October 6, 2004) regarding the ten FSS reports; 4) review of training records; 5) review of audits; 6) review of QA/QC records of instrumentation used during the final status and transportation surveys; and 7) review of transportation and disposal records for contaminated building rubble, equipment, and materials. The inspectors performed confirmatory surveys of buildings associated with the FSS reports, and which had been released for unrestricted use by the licensee.

INSPECTION FINDINGS

Mallinckrodt Chemical, Inc. completed remediation and final status surveys for the C-T Phase 1 decommissioning project, and released equipment and buildings for unrestricted use associated with the FSS reports submitted to the NRC. All other buildings and equipment that did not meet the criteria for unrestricted use was dispositioned for disposal to U.S. Ecology or Waste Control Specialists (WCS). The inspectors did not identify any concerns with the MARSSIM classifications of areas, equipment, or buildings. During the inspection, the licensee's and contractor's response to the RAIs concerning the Final Status Survey reports was adequate. The surface area survey threshold limits, identified as concerns in the RAIs, were conservative enough to be acceptable for the Final Status Surveys and the subsequent release of associated buildings for unrestricted use. The inspectors did not identify any concerns with the training records, audits, and QA/QC records of instrumentation; all were complete and thorough. Transportation manifests and records of material sent to U.S. Ecology and WCS for disposal were complete and met transportation regulatory requirements. Inspectors did not identify any concerns during the confirmatory surveys of buildings 101 Exterior, 235 Interior/Exterior, 236 Interior/Exterior, 240 Interior/Exterior, and 245 Exterior, which had been released for unrestricted use.

The licensee's final status surveys and release of equipment and buildings for unrestricted use was done in accordance with the C-T Phase I Decommissioning Plan, and no violations of NRC regulations were identified.