

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Mallinckrodt Chemicals, Inc. St. Louis, MO		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
REPORT NUMBER(S)	040-06563 ³ /2009-001		
3. DOCKET NUMBER(S) 040-06563	4. LICENSEE NUMBER(S) STB-401	5. DATE(S) OF INSPECTION 11/4/09	

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) was/were discussed involving the following requirement(s) and Corrective Action(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)

Licensee's Statement of Corrective Actions for Item 4, above.

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'S REPRESENTATIVE			
NRC INSPECTOR	George M McCann	<i>George M. McCann</i>	11/11/09

C. Depa
11/13/09

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6. INSPECTION PROCEDURES USED IP87104		7. INSPECTION FOCUS AREAS Observed removal of contaminated soil from Plant 6W	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 11300	2. PRIORITY D	3. LICENSEE CONTACT Karen M. Burke	4. TELEPHONE NUMBER 314-654-5838
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Main Office Inspection

Field Office Plant 6W, St. Louis, MO

Temporary Job Site Inspection

Next Inspection Date: TBA

PROGRAM SCOPE

In 1972 and 1973, the licensee buried approximately 300 cubic yards of unreacted ore (URO) in steel drums in a series in 10 pits located in Plant 6. Throughout the years, the drums have deteriorated and the surrounding soil has become contaminated. During the inspection, the licensee was in the process of removing the URO from burial pits 7, 8, and 9 in accordance with work plan titled "Request for NRC License Amendment to Remove URO from Plant 6W," dated January 28, 2008. Since the burial pit locations were located near FUSRAP contaminated soil, the licensee is required to remove soil only in defined geographical boundaries defined in the work plan. The licensee is not required to perform a final status survey since FUSRAP material is present in the same location.

Performance Observations

The licensee's contractor removed the contaminated soil from burial pit 9 in their geographical boundary in accordance with license amendment #4, their work plan, procedures, and NRC regulations. The licensee was observed conducting visual and scanning radioactivity surveys to confirm licensed material was removed.

The inspectors observed appropriate security and control of material on site in accordance with their procedures and regulatory requirements. All postings are in accordance with 10 CFR 20. The inspectors observed the use of appropriate calibrated instrumentation for area air sampling, area surveys, and contamination control. Additionally, the inspectors observed appropriate personnel protective equipment (PPE) in the excavation site and contamination control methods in step off areas. The inspectors performed surveys on the unrestricted side of the step off area and did not identify any contamination.

The licensee's contractor provided their own on-site radioanalytical laboratory services for analyzing the air particulate filter papers used in the air monitoring stations. Review of the air monitoring data indicated no identified airborne effluent release. The training records for one employee was selected and reviewed for completeness and adherence to established procedures.

No findings were identified.

01/13/09