

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<b>1. LICENSEE/LOCATION INSPECTED:</b> Sigma-Aldrich Company 11542 Fort Mims Drive, Maryland Heights, Missouri  <b>REPORT NUMBER(S)</b> 030-10716/10-01		<b>2. NRC/REGIONAL OFFICE</b>  <b>Region III</b> <b>U.S. Nuclear Regulatory Commission</b> <b>2443 Warrenville Road, Suite 210</b> <b>Lisle, Illinois 60532-4351</b>	
<b>3. DOCKET NUMBER(S)</b> 030-10716	<b>4. LICENSEE NUMBER(S)</b> 24-16273-01	<b>5. DATE(S) OF INSPECTION</b> 5/17/10 – 5/21/10, in-office review completed 7/14/2010	

**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	Katie Streit	<i>Katie Streit</i>	7/14/10

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*7-14-10*

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6. INSPECTION PROCEDURES USED 87104, 84850	7. INSPECTION FOCUS AREAS Observed Management Oversight, Audits and Training Records		

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 03214	2. PRIORITY D	3. LICENSEE CONTACT Thomas K. Spencer	4. TELEPHONE NUMBER 314-286-7686
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- Main Office Inspection      Next Inspection Date: TBA
- Field Office    Former Ft. Mims building site, building pad removal
- Temporary Job Site Inspection

**PROGRAM SCOPE**

The inspection was conducted at the Sigma-Aldrich Company's (Sigma) former byproduct material production facility located at 11542 Fort Mims Drive, Maryland Heights, Missouri which ceased production activities on September 30, 2008. Sigma contracted with an agreement state licensee, Philotechnics, to perform decommissioning activities as described in "Sigma-Aldrich Fort Mims Facility Maryland Heights, MO, Decontamination and Decommissioning Plan," dated October 20, 2008. From May 17 to May 19, 2010, the contractor was in the process of removing the buildings concrete pad foundation. After the concrete pad was removed, the licensee's contractor collected sediment samples from a buried septic tank and soil samples from the facility's footprint.

In an attachment to the decommissioning plan, Sigma committed to maintain oversight during all significant decommissioning operations, maintain site security, and periodically audit various aspects of the decommissioning project to ensure the project is being executed by Philotechnic's safely and compliant with the decommissioning plan.

**Performance Observations**

When the NRC inspector arrived at the Fort Mim's site at 2 PM on May 17, 2010, there were no Sigma personnel present. "Sigma-Aldrich, Fort Mims Facility Decontamination and Decommissioning Plan Facility Management and Oversight Agreement," states, in part, that Sigma will maintain a presence during any significant decommissioning operations. The licensee's contractor stated that Sigma personal was last present around 10 AM but had maintained oversight by telephone. Sigma's management was interviewed and found to have knowledge of the contractor's progress and the activities on site. Sigma personnel arrived on site at approximately 3 PM and maintained a physical presence at the site during the rest of the concrete pad removal. .

Sigma conducted a safety meeting each morning prior to the start of work to discuss heavy machinery safety and appropriate personnel protective equipment. Additionally, the inspectors observed adequate security control of the site.

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7-14-10