

October 27, 2009

TRIP REPORT

To: License File
Sigma-Aldrich Company
License No. 24-16273-01
Docket No. 030-10716

From: Katie Streit, Health Physicist
Materials Control, ISFSI, & Decommissioning Branch
Division of Nuclear Materials Safety, Region III

Date: October 19, 2009

Purpose of Visit: NRC DISCUSSION OF SOIL REMEDIATION AND PHASE TWO OF THE DECOMMISSIONING PLAN

Meeting Participants:

NRC Region III: Christine Lipa, Branch Chief
George (Mike) McCann
Katie Streit

Sigma-Aldrich Chemical: Tom Spenser
Bob Ringerling
Cheryl Stipsits

Philotechnics* Gary Nadeau
Matt Norton

On October 19, 2009, NRC staff conducted a site visit of Sigma Aldrich Company (the licensee) to discuss the decommissioning status of their Fort Mims facility located in Maryland Heights, MO. During discussions, the licensee stated the building had been demolished down to the slab and they were preparing to begin phase two. During phase two, the licensee will be performing additional characterization and localization surveys to determine the location of a historical septic tank and leach field. The licensee also stated that additional samples will be taken to provide more characterization data around the site since previous soil samples results were higher than expected. The licensee is awaiting the results from these additional samples to determine if remediation or site specific dose modeling is needed. The licensee stated they believed they would be ready to begin phase two the week of November 2nd, 2009. The NRC told the licensee they would like a copy of the phase two soil sampling plan and the exact beginning date as soon as possible.

During the visit, the NRC toured the Fort Mims site. The NRC requested the licensee provide the site boundary in comparison to the sample locations since actual owner boundaries were unclear during the site tour. Additionally, the NRC found contamination on exposed drain line pipes with a GM pancake survey meter. The NRC emphasized that the licensee must

characterize and evaluate pipe contamination, and any other possible areas of contamination, during the building slab removal to assure they are below approved release criteria.

* Participated by phone for discussion part only and was not part of site tour.