

## TELEPHONE CONVERSATION RECORD

LICENSEE: Sigma-Aldrich Company  
Maryland Heights, Missouri  
License No. 24-16273-01  
Docket No. 030-10716

DATE OF CALLS: October 21, 2010

PARTICIPANTS: Thomas Spencer, Radiation Safety Officer  
Sigma-Aldrich Chemical Company

Katie Streit, Health Physicist *Katie Streit, 10/25/10*  
Materials Control, ISFSI, and Decommissioning Branch  
Division of Nuclear Materials and Safety, RIII

SUBJECT: DISCUSSION REGARDING SIGMA-ALDRICH CHEMICAL COMPANY  
SCHEDULE FOR SUBMITTAL OF A DECOMMISSIONING PLAN  
AMMENDMENT REQUEST TO ALLOW FOR SITE SPECIFIC SOIL  
DERIVED CONCENTRATION GUIDELINE LIMITS

On the above date, Sigma-Aldrich Chemical Company (SAC) was contacted to discuss the schedule for completion of the Fort Mims Decommissioning project. Specifically, the planned timeframe for SAC to submit a request for amendment to its Decommissioning Plan (DP) to allow for site specific Derived Concentration Guideline Limits (DCGL) was discussed. On October 22, 2008, SAC submitted a decommissioning plan (DP) for its Fort Mims Facility (ML083010187). In a letter dated December 15, 2008, SAC requested to incorporate a phased decommissioning approach (ML083510270) into the licensee's decommissioning plan. On May 12, 2009, Region III concluded SAC DP and the phased approach acceptable and was approved for use (ML091330309).

SAC's DP was not approved for site specific soil DCGLs for carbon-14 or hydrogen-3 but allowed for NRC soil screening values. However, during SAC's survey of onsite soil, localized areas of surface and subsurface contamination was identified above the NRC screening values. Therefore, SAC intends to amend its DP to allow for site specific DCGLs to allow for release of the soil for unrestricted use in accordance with 10 CFR 20.1402.

The NRC informed SAC of the requirement of 10 CFR 30.36(h)(2), which requires that the licensee to request license termination as soon as practicable but no later than 24 months following the initiation of decommissioning. Since decommissioning was initiated when the DP was approved on May 12, 2009, 24 months would be May 12, 2011. Since the amendment to the DP requires an in-depth review by the NRC with a 60 day comment period, the licensee was advised that a timely submittal of the amendment of the DP is recommended. NRC informed SAC that their license expiration date is December 31, 2010 and they will need to apply for a license renewal by November 30, 2010, in concurrence with the amendment request.

SAC informed the NRC they are in the process of preparing a submittal and intend to have the request submitted to the NRC by November 22, 2010.

End of conversation record.