

May 17, 2010

George M. McCann
U.S. NRC Region III
2443 Warrenville Rd
Lisle, IL 60532-4352

RE: NRC License 24-16607-03; Emergency amendment request

Dear Mr. McCann

This letter is a follow-up to our conversation earlier this afternoon.

During the current (Phase 3 Soil Sampling and Oversight) decommissioning activities under license 24-16273-01 at the Fort Mims facility, we have identified a section of sewer pipe containing contamination above free release limits. Because the property is no longer secured, we cannot store the material on-site. The material has been packaged in a metal barrel, sealed and labeled to meet DOT requirements for transporting.

Under the circumstances, we believe the best temporary remedy is to transport and store the material at our Cherokee facility, which operates under NRC license 24-16607. The packaging, transportation and storage would be done in compliance with NRC and DOT regulations. The Cherokee facility is well secured and monitored electronically by Sigma Security.

Should additional material be identified at the Fort Mims site during the remainder of the decommissioning, Sigma-Aldrich proposes to handle the material as noted above.

Thus, Sigma-Aldrich hereby requests that license 24-16607-03 be amended to allow receipt and storage of radioactive material from the Fort Mims location for a period not to exceed 120 days. The isotopes are limited carbon-14 and tritium.

Thank you for considering this request. Please contact me if you have any questions in this matter.

Sincerely,



Thomas K Spencer
Radiation Safety Officer
Sigma-Aldrich Company
Phone 314/286-7686
Email tspencer@sial.com

CC:

Ryan P. Fahey, Project Manager, Philotechnics, Ltd.
Bob Ringering, Director of Manufacturing, Sigma-Aldrich
Cheryl Stipsits, Director of Environmental, Health & Safety, Sigma-Aldrich