



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 12, 2021

Mr. Lee McVay
Sigma-Aldrich Company
545 S. Ewing Ave
St. Louis, MO 63103

SUBJECT: ENVIRONMENTAL ASSESSMENT ASSOCIATED WITH THE SIGMA-ALDRICH
AUGUST 22, 2019 LICENSE AMENDMENT REQUEST, U.S. NUCLEAR
REGULATORY COMMISSION LICENSE NO. 24-16273-01

Dear Mr. McVay,

By letter dated August 22, 2019¹, as supplemented on April 27, 2020² and October 19, 2020³, Sigma-Aldrich (Sigma) submitted an application to amend their decommissioning plan and terminate U.S. Nuclear Regulatory Commission (NRC) Materials License No. 24-16273-01. In this application, Sigma stated that the: (1) soil and groundwater at the Fort Mims Site was fully characterized, (2) site meets the criteria for unrestricted release as stated in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 20.1402, "Radiological Criteria for Unrestricted Use," and (3) residual radioactivity at the site is As Low As Reasonably Achievable.

The NRC staff completed its review of the request and will be issuing a Safety Evaluation Report (SER) regarding the license amendment request. Associated with the SER, the staff evaluated the environmental impacts of approving the license amendment request. The staff has determined that, should the license amendment request be approved, significant environmental impacts would not result. For this action, a Notice of Availability of an Environmental Assessment and Finding of No Significant Impact was prepared and published in the Federal Register. By this letter we are transmitting to you a copy of the Environmental Assessment.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <https://www.nrc.gov/reading-rm/adams.html>.

¹ Agencywide Document Access and Management System [ADAMS] Accession No. ML19273A163

² ADAMS Accession No. ML20120A544

³ ADAMS Accession No. ML20294A191

L. McVay

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If you have any questions, please contact George Alexander at (301) 415-6755 or via email at George.Alexander@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "George Alexander", is positioned above the typed name.

Signed by Alexander, George
on 11/12/21

George Alexander, Risk Analyst
Risk and Technical Analysis Branch
Division of Decommissioning, Uranium Recovery
and Waste Programs
Office of Nuclear Materials Safety
and Safeguards

Docket No.: 030-10716
License No.: 24-16273-01

Enclosure:
Environmental Assessment

NRC Letter Regarding Environmental Assessment Associated with the Sigma-Aldrich August 22, 2019
License Amendment Request DATE November 12, 2021

DISTRIBUTION:

ADAMS Accession No.: Ltr ML21277A030

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