



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

October 20, 2016

Mr. Robin DeLaBarre
Office of Nuclear Energy, Safety
& Security, Room 3320 HST
Bureau of International Security
& Nonproliferation
U.S. Department of State
2201 C Street, NW
Washington, DC 20520

Dear Mr. DeLaBarre:

Enclosed is an application, dated September 13, 2016, received by the U.S. Nuclear Regulatory Commission (NRC), from Sigma-Aldrich Corp. LLC, requesting Amendment No. 02 to its existing license XMAT418/01. The license presently authorizes the export of a cumulative total of 1,500 kilograms of deuterium in the form of deuterated compounds, deuterium oxide (heavy water), and deuterium gas to India for distribution into medical, pharmaceutical, chemical, and industrial markets for non-nuclear end use.

This license is amended to extend the date of expiration from February 28, 2017 to February 28, 2021.

There are no changes to the terms and conditions of the existing license being requested. Therefore, our office is processing this as a minor amendment, and intends to issue the license after the required 30-day review period.

Sincerely,

A handwritten signature in black ink that reads "Peter J. Habighorst".

Peter J. Habighorst, Chief
Export Controls and Nonproliferation Branch
Office of International Programs

Enclosure:
Application Dated 09/13/16
XMAT418/02 – India
Docket Number 11005977

cc w/enclosure:

R. DeLaBarre, DOS

J. Norles, DOE/NNSA

H. Rodriguez, NRC/NMSS

R. Bennett, DHS/CBP

S. Aguilar, NRC/NMSS

K. Strangis, DOE/NNSA

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E. Border, DOE/NNSA

O. Toigo, DHS/CBP

S. Clagett, DOC

E. Sauls, DTRA