

January 25, 2012

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

Dear Mr. DeLaBarre:

Enclosed is an application (XMAT418), dated January 5, 2012, received by the U.S. Nuclear Regulatory Commission from Sigma-Aldrich Corporation for the export of 1,500 kg of various deuterium compounds to Sigma-Aldrich Chemicals Pvt Ltd in India for distribution into the Indian medical, pharmaceutical, chemical and industrial markets for non-nuclear scientific research. The type of scientific research may include identification of chemicals in reaction pathways, metabolic studies, or environmental analysis.

Before taking action on this request, we would appreciate your views, in accordance with established procedures and from the overall perspective of the Executive Branch, as to whether the requested export meets the applicable criteria in the Atomic Energy Act of 1954, as amended.

Please note that the material is of Canadian origin. We would therefore also appreciate your views as to whether the shipment of Canadian origin material is authorized.

Sincerely,

/RA by Brooke G. Smith for/

Janice E. Owens, Branch Chief
Export Controls and International Organizations
Office of International Programs

Enclosure:
Application Dated 01/05/2012
XMAT418 – India
Docket Number 11005977

cc w/enclosure:
S. Aguilar, NRC/NMSS
R. Goorevich, DOE/NNSA
J. Norles, DOE/NNSA
S. Clagett, DOC
D. McDarby, DTRA

S. Oehlbert, DOE/NNSA
P. Dessaulles, DOE/NMMSS
C. Baugues, DHS/CBP
E. Sauls, DTRA
CNSC

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Office of Nuclear Energy,
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Bureau of International Security
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U.S. Department of State
2201 C Street, NW
Washington, D.C. 20520

Dear Mr. DeLaBarre:

Enclosed is an application (XMAT418), dated June 5, 2012, received by the U.S. Nuclear Regulatory Commission from Sigma-Aldrich Corporation for the export of 1,500 kg of various deuterium compounds to Sigma-Aldrich Chemicals Pvt Ltd in India for distribution into the Indian medical, pharmaceutical, chemical and industrial markets for non-nuclear scientific research. The type of scientific research may include identification of chemicals in reaction pathways, metabolic studies, or environmental analysis.

Before taking action on this request, we would appreciate your views, in accordance with established procedures and from the overall perspective of the Executive Branch, as to whether the requested export meets the applicable criteria in the Atomic Energy Act of 1954, as amended.

Please note that the material is of Canadian origin. We would therefore also appreciate your views as to whether the shipment of Canadian origin material is authorized.

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<input checked="" type="checkbox"/> Publicly Available	<input type="checkbox"/> Non-Publicly Available	<input type="checkbox"/> Sensitive	<input checked="" type="checkbox"/> Non-Sensitive
OFFICE	ECIO/OIP	ECIO/OIP	BC:ECIO/OIP
NAME	JChimood	JVladimir	BSmith for JOwens
DATE	1/17/12	1/23/12	1/25/12

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