



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

APR 21 1981

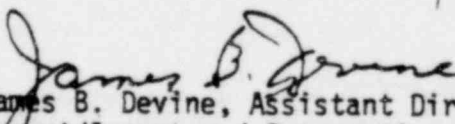
Mr. G. F. Helfrich, Director
Office of Program Implementation
Bureau of Oceans and International
Environmental and Scientific Affairs
U.S. Department of State
Washington, D.C. 20520

Dear Mr. Helfrich:

Enclosed please find an application from Sigma Chemical Company requesting a broad specific license to permit exports of small amounts of deuterium oxide to universities and research organizations in various countries. The amount of deuterium oxide authorized for export will be limited to 5,000 kilograms for a 5-year period. No individual shipment will exceed 100 kilograms and no more than 500 kilograms will be exported per year to any one country. The license will indicate the countries the material can be exported, and the material can be used only in NMR applications in chemistry, physics, and biology. This is Sigma's formal application for which State previously provided to NRC informal Executive Branch views indicating no objection to the proposed license as described.

Before taking action on this license application, we would appreciate your views, in accordance with established procedures as to whether the proposed export meets the applicable criteria in the Atomic Energy Act as amended by the Nuclear Nonproliferation Act of 1978.

Sincerely,


James B. Devine, Assistant Director
Export/Import and International Safeguards
Office of International Programs

Enclosure:
Appl. dtd. 04/13/81
(XMAT0176)

cc w/enclosure:
Mr. Michael McDonough, DOE
Mr. Richard L. Williamson, ACDA/NP/NX
Ms. Sheila Buckley, DOD
Ms. Nataly Martin, DOE
Mr. Dan Cook, DOC
Mr. Robin DeLaBarre, DOS



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