



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-C-001

SEP 30 1996

Mr. Robin DeLaBarre
Office of Export and Import Control
Bureau of Political-Military Affairs
U.S. Department of State
Washington, DC 20520

Dear Mr. DeLaBarre:

Enclosed for your information is a copy of export license application XB001294, dated August 27, 1996, from U.S. Department of Energy, Oak Ridge Operations Office, requesting authority to export one microgram of Californium-249 to the United Kingdom for use in calibrating detectors in support of work on alpha spectrometry at the National Physical Laboratory at Middlesex, United Kingdom.

The general license authority for exports of byproduct materials in 10 CFR § 110.23 does not authorize the export of Cf-249; therefore, a specific license is required. Since the application does not require Executive Branch review or assurances from the receiving government, we will issue the license after the application has been on file in the NRC's Public Document Room for 15 days.

I will forward a copy of the license to you after it is issued on October 15, 1996.

Sincerely,

Ronald D. Hauber, Director
Division of Nonproliferation,
Exports and Multilateral Relations
Office of International Programs

Enclosure: Export license application
XB001294 dated 08/27/96

cc w/enclosure:
R. Goorevich, DOE
C. Kincaid, DOE
M. Johnson, DOD
J. Chuchla, DOC
M. Rosenthal, ACDA

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PDR EXPORT
XB-1294 PDR

1A-1-1 Export, Foreign

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Department of Energy

Oak Ridge Operations Office
P.O. Box 2001
Oak Ridge, Tennessee 37831—

September 17, 1996

Ms. Betty L. Wright
Export/Import Licensing Officer
Office of International Programs
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Ms. Wright:

SALE OF ^{249}Cf TO NATIONAL PHYSICAL LABORATORY, MIDDLESEX, U.K.

The proposed Contract S-EU-1062 is for one microgram of californium-249 enriched to 99.99%, as solid chloride. This material will be delivered to the National Physical Laboratory, Middlesex, U.K.

Enclosed is the completed NRC Form 7, "Application for License to Export Nuclear Material and Equipment" for your review and approval. Please issue the subject license and return to me at the following address:

U. S. Department of Energy
Reactor Operations Division, ER-12
Oak Ridge National Laboratory
P. O. Box 2008, M. S. 6390, Bldg 7964B
Oak Ridge, TN 37831-6390

Sincerely,

Larry W. Boyd
Isotopes Program Manager
Reactor Operations Division
DOE Oak Ridge Field Office

ER-12:Boyd

Enclosure

cc w/o enclosure:
B. Willis, ER-12, ORO
E. Collins, ORNL

9610010048

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT

(See Instructions on Reverse)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 1 HOUR. FORWARD COMIAL... REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MRS 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (N150-0027), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

1. APPLICANT'S USE		a. DATE OF APPLICATION 27-AUGUST-1996		b. APPLICANT'S REFERENCE 49-0125		2. NRC USE		a. DOCKET NO. 11004915		b. LICENSE NO. X8001294	
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material)					
a. NAME U.S. Department of Energy											
b. STREET ADDRESS P.O. Box 2008, Bethel Valley Road						a. NAME					
c. CITY Oak Ridge				STATE TN		ZIP CODE 37831		b. STREET ADDRESS			
d. TELEPHONE NUMBER (Area Code - Number - Extension) (423) 574-7613 FAX: (423) 574-8649						c. CITY				STATE ZIP CODE	
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)			
ASAP				ASAP		30-AUGUST-1997		S--EU--1062			
10. ULTIMATE FOREIGN CONSIGNEE						11. ULTIMATE END USE					
a. NAME National Physical Laboratory						(Include plant or facility name) Cf-249 will be used to calibrate detectors in support of work on alpha spectrometry.					
b. STREET ADDRESS (Facility Site) Queens Road, Teddington						11a. DATE REQUIRED					
c. CITY Middlesex				d. COUNTRY U.K.		13. INTERMEDIATE END USE					
12. INTERMEDIATE FOREIGN CONSIGNEE						13a. DATE REQUIRED					
a. NAME						15. INTERMEDIATE END USE					
b. STREET ADDRESS (Facility Site)						15a. DATE REQUIRED					
c. CITY				d. COUNTRY							
14. INTERMEDIATE FOREIGN CONSIGNEE											
a. NAME											
b. STREET ADDRESS (Facility Site)											
c. CITY				d. COUNTRY							
16. COM CODE		17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)				18. MAX. ELEMENT WEIGHT		19. MAX. WT. %		20. MAX. ISOTOPE WEIGHT	
		Cf-249, solid chloride, one microgram californium-249, 99.99%				4.08 x 10 ⁻⁶		-		4.08 x 10 ⁻⁶	
										21. UNIT Ci	
22. COUNTRY OF ORIGIN - SOURCE MATERIAL				23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)			
25. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary)											
<p>1996 SEP 26 AM 11:26</p> <p>Cy to PDR, DCS 9/20 JLC</p> <p>26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information in this application is correct to the best of his/her knowledge.</p>											
27. AUTHORIZED OFFICIAL				a. SIGNATURE L.W. Boyd				b. TITLE Mgr., Isotope Prod. & Distribution			