

EXPORT LICENSE

250

NRC LICENSE NO.

(75)

THIS LICENSE EXPIRES 1 June 1979

United States of America  
Nuclear Regulatory Commission

**1708405**

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by:

the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

LICENSEE		ULTIMATE CONSIGNEE IN FOREIGN COUNTRY	
NAME	J. T. Baker Chemical Company 222 Red School Lane Phillipsburg, N. J. 08065 Attn: T. M. Makowski	NAME	J. T. Baker S.A. DE C.V. Chiapas No. 13 Mexico 7, D.F., Mexico
ADDRESS		ADDRESS	
INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY		OTHER PARTIES TO EXPORT	
NAME	NONE	NAME	NONE
ADDRESS		ADDRESS	
APPLICANT'S REF. NO.	90-201-3737	COUNTRY OF ULTIMATE DESTINATION	Mexico

QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES
6.863 kilograms thorium	Contained in 16.329 kilograms thorium nitrate reagent crystal.
<p>Conditions 3 and 6 on page two of this license apply to this export.</p> <p>Letter from Department of State dated <u>5/8/78</u> <u>re: Mexico</u></p> <p><b>IPPI</b> Distribution: MS, OIPI, DOE  <b>Licensee</b> PMSA, ISA, DOE  <b>License Folder</b> NMSS, SGTE  <b>PDR</b> State Rad. Control Agency  <b>Accessions</b> State Dept. OES/NET/IM  <b>IE</b>  <b>OROO (Fulner)</b></p> <p>The proposed export would not be inimical to the interests of the United States.</p>	

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE

**Original signed by**  
James R. Shea

James R. Shea, Director  
Office of International Programs

DATE OF ISSUANCE MAY 12 1978 **67**

EXPORT LICENSE

U.S. NUCLEAR REGULATORY COMMISSION  
EXPORT LICENSE

Conditions

License Number XT09405

**Condition 1** — Licensee shall file with the Customs Officer or the Postmaster two copies, in addition to those otherwise required, of the Shipper's Export Declaration covering each export and mark one of such copies for transmittal to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. The following declaration should accompany or be placed on the Shipper's Export Declarations for such exports:

"This shipment is being made pursuant to specific license number (**specific license number**) filed at (**location of Customs office where license is filed**), on (**date license was filed**). This license expires on (**expiration date of license**), and the unshipped balance remaining on this license is sufficient to cover the shipment described on this declaration."

**Condition 2** — Exports authorized in any country or destination, except Country Groups Q, S, W, X, Y, and Z in Part 370, Supplement No. 1, of the Comprehensive Export Schedule of the U.S. Department of Commerce.

**Condition 3** — This license covers only the nuclear content of the material.

**Condition 4** — The material to be exported under this license shall be shipped in accordance with the physical protection requirements for special nuclear material in 10 CFR 73.

**Condition 5** — Special nuclear material authorized for export under this license shall not be transported outside the United States in passenger-carrying aircraft in shipments exceeding (1) 20 grams or 20 curies, whichever is less, of plutonium or uranium 233, or (2) 350 grams of uranium 235.

**Condition 6** — This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.

**Condition 7** — The licensee shall complete and submit an NRC Form 741 for each shipment of source material exported under this license.

**Condition 8** — The licensee shall advise the NRC in the event there is any change in the designation of the company who will package the nuclear material to be exported under this license, or any change in the location of the packaging operation, at least three weeks prior to the scheduled date of export.



DEPARTMENT OF STATE

Washington, D.C. 20520

S-907

~~XXXX~~

XT-8405

40-8678

RECEIVED  
U.S. NRC

BUREAU OF OCEANS AND INTERNATIONAL  
ENVIRONMENTAL AND SCIENTIFIC AFFAIRS

MAY 8 PM 4 06

May 8, 1978

EXPORT/IMPORT  
AND  
INTERNAT'L SFGRDS

Mr. Michael Guhin  
Assistant Director for International  
Programs for Export and Import  
United States Nuclear Regulatory Commission  
Room 6714 - MNBB  
Bethesda, Maryland

Dear Mr. Guhin:

I refer to your letter dated January 17, 1978, for Executive Branch views on whether issuance of an export license in accordance with the application hereinafter described would be inimical to the common defense and security of the United States.

NRC No. S-907 (XT-8405) -- J. T. Baker Chemical Company's application dated December 15, 1977, for authorization to export to Mexico 15.13 pounds of thorium contained in 36 pounds of thorium nitrate. The material will be used as a reagent in determination of fluorine and for the study of parasitic skin diseases.

It is the opinion of the Executive Branch that the proposed export may be made without being subject to the terms of an agreement for cooperation since source material may be licensed under section 64 of the Atomic Energy Act without the prerequisite of a 123 agreement. Further, it is the judgment of the Executive Branch that the source material export contemplated will not be inimical to the common defense and security of the United States. The Executive Branch has concluded that this export is consistent with the provisions of the Atomic Energy Act of 1954, as amended, and with the Nuclear Non-Proliferation Act of 1978. A detailed analysis is believed unnecessary in this case because of the small quantity of material involved.

5-12-78 Ryp to  
PDR 4 A CC

On the basis of the foregoing, the Executive Branch recommends that the license be issued.

Sincerely,

A handwritten signature in cursive script that reads "Louis V. Nosenzo". The signature is written in dark ink and is positioned above the printed name.

Louis V. Nosenzo  
Deputy Assistant Secretary

JAN 17 1978

DISTRIBUTION:

IP r/f

IPEI r/f

BLWright

PDR

ACC

R. Fulner, OROO, w/encl.

ELD, w/encl.

R.G. Page, w/encl.

C. Fulmer, w/encl.

Mr. Dixon Hoyle, 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. Hoyle:

Enclosed please find an application from J.T. Baker Chemical Company for a license to export source material to Mexico.

Before taking action on this license application, we would appreciate your views, in accordance with established procedures and from the overall perspective of the Executive Branch, as to whether the issuance of the requested license would be inimical to the interests of the United States.

Sincerely,

*Raymond N. Moore*

Michael A. Guhin, Assistant Director  
Export/Import and International  
Safeguards  
Office of International Programs

Enclosure:

Appl. dtd December 15, 1977  
(XT-8405, S-907)

cc w/enclosure:

Mr. Nelson F. Sievering, DOE  
Mr. Richard L. Williamson, ACDA/NP/NX  
Dr. Maurice J. Mountain, DOD  
Mr. Alfred D. Starbird, DOE  
Mr. Rauer H. Meyer, DOC

*del*

OFFICE →	IPEI	IPEI	IPEI		
SURNAME →	BLWright:sm	RN Moore	MAGuhin		
DATE →	1/2/78	1/17/78	1/17/78		

APPLICATION FOR LICENSE TO EXPORT  
BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL

Submit in Triplicate

Carefully Read Instructions on Back

XT-8405  
40-8678  
5-907  
I.C-11418  
M/C78-011

1. DATE OF APPLICATION 12.15.77	2. APPLICANT'S REFERENCE NO. (if any) 90-201-3737	3. COUNTRY OF ULTIMATE DESTINATION MEXICO
4. NAME OF APPLICANT J. T. BAKER CHEMICAL CO. STREET ADDRESS  222 RED SCHOOL LANE CITY, STATE, AND ZIP CODE PHILLIPSBURG, NJ 08865		5. ULTIMATE CONSIGNEE IN FOREIGN COUNTRY (Name and address)  J. T. BAKER S.A. DE C.V. CHIAPAS NO. 13 MEXICO 7, D.F., MEXICO
6. INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY (Give name and address. If same as ultimate consignee, state "Same.")  SAME		7. IF PURCHASER IN FOREIGN COUNTRY IS OTHER THAN ULTIMATE CONSIGNEE, GIVE NAME AND ADDRESS. (If same, state "Same.")  SAME
8. (a) QUANTITY TO BE SHIPPED (See instructions on back)  15.13 pounds contained thorium in 36 pounds of Thorium Nitrate	8. (b) COMMODITY DESCRIPTION (Include chemical and physical form; for special nuclear material and byproduct material also specify isotopic content; if in a device, identify the device, manufacturer, and model number.)  THORIUM NITRATE REAGENT <del>XXX</del> CRYSTAL.	

(c) SHIPPING AND PACKING PROCEDURES (Required for special nuclear material. See instructions on back.)

9. END USE OF COMMODITIES COVERED BY THIS APPLICATION: (Describe fully, stating what will be produced or manufactured, what service will be rendered, or the nature of the research that will be performed.) (See instructions on back for special nuclear material.)

- 1) reagent in determination of fluorine
- 2) parasitic skin diseases (medical)

10. The applicant, and any official executing this certificate on behalf of the applicant named in Item 4, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Parts 30 and 36. (if for byproduct material) or Part 40 (if for source material), or Part 70 (if for special nuclear material), and Part 71 (for transport of radioactive material, if applicable) and that all information contained herein, including any supplements attached hereto, is true and correct to the best of their knowledge and belief.

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U.S. NRC

6.863 kilograms thorium nitrate  
16.329 " " nitrate

1978 JAN 11 AM 11 02

J. T. BAKER CHEMICAL CO.

(Applicant named in Item 4)

By: T. M. Makowski

Manager, Export Services

(Title of certifying official authorized to act on behalf of the applicant)

EXPORT/IMPORT  
AND  
INTERNAT'L SFGGRDS

1-11-78 copy to  
PDR + ACC

## Instructions

The export of byproduct, source or special nuclear material is prohibited unless the exporter holds a specific AEC export license or, with respect to byproduct and source material, unless the exporter is authorized under a general AEC export license as provided in AEC regulations 10 CFR Parts 36 and 40. APPLICATION FOR A SPECIFIC AEC EXPORT LICENSE SHOULD BE FILED IN TRIPLICATE ON THIS FORM AEC-7.

Specific or general AEC export licenses cover only the byproduct, source or special nuclear material involved in the export. If such material is contained in instruments or devices, a license may also be required from the Department of Commerce covering the export of such instruments or devices.

Item 8(a) - State the amount of byproduct material in millicuries or curies (state which unit is used). State the weight of contained thorium and uranium in pounds or kilograms (state which unit is used) and the net weight of the shipment (for example, 10 pounds thorium contained in 250 pounds thorium magnesium alloy). State the weight of contained special nuclear material in parts or multiples of grams.

Item 8(c) - If the requirements of 10 CFR Part 71 ("Packaging of Radioactive Material for Transport") are not applicable to the packaging and transport of the byproduct, source or special nuclear material to be exported, or if the packaging and transport of such material is subject to a general license or is exempt from the provisions of 10 CFR Part 71, so indicate. Identify where applicable the specific AEC license and date of issuance authorizing, pursuant to 10 CFR Part 71, the delivery of such material to a carrier for transport. If a specific AEC license or an amendment to an existing license is required by 10 CFR Part 71 in connection with the packaging and transport of the material proposed to be exported, an application containing the information specified in 10 CFR § 71.21 should be submitted with Form AEC-7.

Item 9 - For special nuclear material, a statement of end use from the consignee must accompany this application.

**APPLICATION FOR LICENSE TO EXPORT  
BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL**

*Submit in Triplicate*

*Carefully Read Instructions on Back*

1. DATE OF APPLICATION <b>12.15.77</b>	2. APPLICANT'S REFERENCE NO. <i>(if any)</i> <b>90-201-3737</b>	3. COUNTRY OF ULTIMATE DESTINATION <b>MEXICO</b>
4. NAME OF APPLICANT <b>J. T. BAKER CHEMICAL CO.</b> STREET ADDRESS <b>222 RED SCHOOL LANE</b> CITY, STATE, AND ZIP CODE <b>PHILLIPSBURG, NJ 08865</b>		5. ULTIMATE CONSIGNEE IN FOREIGN COUNTRY <i>(Name and address)</i> <b>J. T. BAKER S.A. DE C.V.</b> <b>CHIAPAS NO. 13</b> <b>MEXICO 7, D.F., MEXICO</b>
6. INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY <i>(Give name and address. If same as ultimate consignee, state "Same.")</i> <b>SAME</b>		7. IF PURCHASER IN FOREIGN COUNTRY IS OTHER THAN ULTIMATE CONSIGNEE, GIVE NAME AND ADDRESS. <i>(If same, state "Same.")</i> <b>SAME</b>
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10. The applicant, and any official executing this certificate on behalf of the applicant named in Item 4, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Parts 30 and 36. (if for byproduct material) or Part 40 (if for source material), or Part 70 (if for special nuclear material), and Part 71 (for transport of radioactive material, if applicable) and that all information contained herein, including any supplements attached hereto, is true and correct to the best of their knowledge and belief.

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EXPORT/IMPORT  
AND  
INTERNAT'L SFGDRS

J. T. BAKER CHEMICAL CO.  
*(Applicant named in Item 4)*

By: T. M. Makowski

Manager, Export Services

*(Title of certifying official authorized to act on behalf of the applicant)*



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*(Applicant named in Item 4)*

By: **T. M. Makowski**

**Manager, Export Services**

*(Title of certifying official authorized to act on behalf of the applicant)*

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Item 9 - For special nuclear material, a statement of end use from the consignee must accompany this application.

It has been determined that this export meets the requirements of the Atomic Energy Act of 1954, as amended, and the U.S. Nuclear Regulatory Commission rules and regulations, Title 10, Chapter 1, Part 110.