

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION B
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2800
ATLANTA, GA 30333

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
811 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
 B. AMENDMENT TO LICENSE NUMBER
 C. RENEWAL OF LICENSE NUMBER 52-15787-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Caribbean Petroleum Corporation
G.P.O. Box 1988
San Juan, Puerto Rico 00936

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

Caribbean Petroleum Corporation
Luchetti Industrial Park
Bayamon, Puerto Rico

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Julio D. Hernández

TELEPHONE NUMBER

(809) 785-0520

SUBMIT ITEMS 6 THROUGH 11 ON 8 1/2" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

6. RADIOACTIVE MATERIAL
a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.
See Attachment I

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
See Attachment II

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.
See Attachment III

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.
See Attachment IV

9. FACILITIES AND EQUIPMENT.
See Attachment V

10. RADIATION SAFETY PROGRAM
See Attachment VI

11. WASTE MANAGEMENT.
See Attachment VII

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)
FEE CATEGORY 170.31 AMOUNT ENCLOSED \$ 120.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE



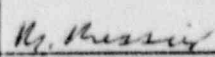
Julio D. Hernández

Refinery Manager

9/26/88

9002080391 890215
REGD LIC30
52-15787-01 PDR

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
Ren	Oct-3-88	3P		
AMOUNT RECEIVED	CHECK NUMBER			DATE
\$120	1R016790			10/7/88

CARIBBEAN PETROLEUM CORPORATION

LICENSE NO. 52-15787-01

ATTACHMENT I

RADIOACTIVE MATERIAL
(ITEM 5)

- A) ELEMENT AND MASS NUMBER
 - AMERICIUM 241
- B) CHEMICAL AND/OR PHYSICAL FORM
 - TYPE X-12 SEALED SOURCE
- C) MAXIMUM AMOUNT WHICH WILL BE POSSESSED AT ANY ONE TIME
 - ONE SOURCE OF 300 MILLICURIES
- D) MANUFACTURER
 - AMERSHAM CORPORATION

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ATTACHMENT II

PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED
(ITEM 6)

- FOR USE IN A GULF RESEARCH AND DEVELOPMENT CO.
LABORATORY MODEL SULFUR ANALYZER

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ATTACHMENT NO. III

INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND
THEIR TRAINING AND EXPERIENCE
(ITEM 7)

Mr. Miguel A. Berrios has a Bachelor of Science Degree in Chemical Engineering from the University of Puerto Rico - Mayaguez Campus - June 1963. He has worked for 24 years in the refinery technical and operation department. At the present time he is refinery's processing director.

Mr. Angel F. Alayon has 33 years experience in the Refinery Quality Control Laboratory.

Mr. Julian Berrios has 30 years experience in the Refinery Quality Control Laboratory.

Mr. Guillermo Lopez worked for four (4) years as refinery operator and has been working at the refinery Quality Control Laboratory for the last 24 years.

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ATTACHMENT IV
TRAINING FOR INDIVIDUALS WORKING IN OR
FREQUENTING RESTRICTED AREAS
(ITEM 8)

Messrs. Angel F. Alayon, Julian Berrios and Guillermo Lopez received on-the-job training on the handling of radioactive material related to the operation of the sulfur analyzer from former laboratory supervisor Mrs. Gloria M. Vega. Mrs. Gloria M. Vega received Radiological Safety Training at the Texas A & M College.

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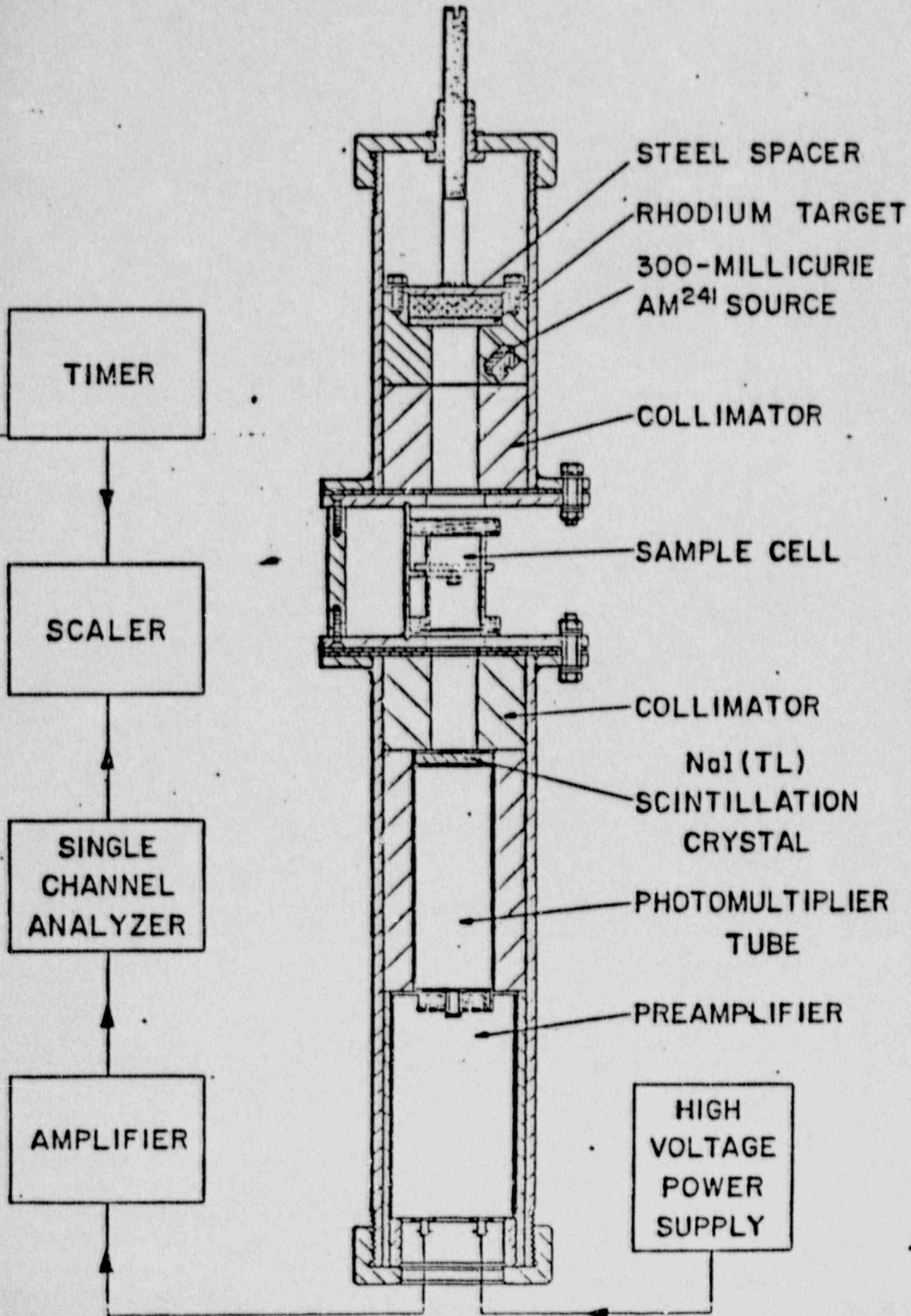
ATTACHMENT NO. V

FACILITIES AND EQUIPMENT
(ITEM 9)

The sealed radioactive source (300 millicuries of americium-241) covered in this application is part of an instrument for the determination of sulfur content of liquid hydrocarbon samples on the basis of an X-ray transmission measurement. The source is secured inside a shielded steel housing as shown in the attached Figure 1. The radiation intensity measured outside the source housing is less than 0.5 mr./hr. at all accessible points on the surface.

Since it is normally unnecessary to remove the source from its shielded housing, no laboratories or facilities for handling radioactive materials will be required.

IF GULF LABORATORY
SULFUR/LEAD ANALYZER



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ATTACHMENT NO. VI

RADIATION SAFETY PROGRAM
ITEM (10)

The radioactive materials in the instrument described in Item 9 shall be used by or under the direct supervision of Mr. Miguel Berrios. The sealed source will be installed in the analyzer prior to delivery and is secured against unauthorized removal by means of a padlock. Radiation intensity outside the source housing is less than 0.5 mr./hr. and personnel monitoring devices will not be worn by individuals using the instrument.

Testing Procedures for Sealed Source: The sealed americium-241 source shall be tested for leakage at the time of installation and then at intervals not exceeding three (3) months. The test is capable to detecting the presence of at least 0.005 microcuries of removable activity and will be conducted in the following manner. A wipe sample will be collected using a piece of dry filter paper to wipe around all seals of the outer source housing. The source will not be removed from the housing for this test. The wipe sample will be sealed in a polyethylene bag and sent to Chevron Research Company, Richmond, CA, where the quantity of removable radioactive contamination will be determined. We will receive a certificate of the results of each of these tests, and a file of these results shall be maintained.

Under no circumstances will an attempt be made to repair a sealed source. Any source found to have a leak will be removed from use and either returned to the source supplier, Amercham-Searle Company, or shipped for disposal to Isotopes Radiological Service Company.

Signs: The other source housing shall be equipped with a durable, clearly visible sign bearing the radiation caution symbol and the words "Caution - Radioactive Materials".

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ATTACHMENT VII

WASTE MANAGEMENT
(ITEM 11)

The use of radioactive materials described in this application will not result in the generation of radioactive waste materials of any sort. If it becomes necessary to dispose of any radioactive source, it will be shipped to Isotopes Radiological Service Company for disposal.