

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911



28 May 1985

Mr. Jack Davis
Nuclear Materials Safety Section A
Division of Radiation Safety and Safeguards
Nuclear Regulatory Commission Region 1
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Davis:

Re: Docket #030-22101:
Control #0334 for
License 37-05105-07

Air Products and Chemicals, Inc. hereby requests an amendment to the aforementioned radioactive materials license covering our use of titanium tritide in custom built ion mobility detector cells used in argon-purity analyzer equipment. We request that Item #8 be increased to a total of 5.0 curies and Item #10 be amended such that the licensed material may be used at multiple Air Products and Chemicals' locations which are situated in non-agreement states. The quantity desired is needed to supply the Air Products' argon recovery plants and to permit a modest accumulation of expired foils in R&D Lab 3 prior to disposal.

Enclosed find a check for \$60.00 to cover the amendment fee for this 3P license category.

If you need any additional information relevant to our telephone discussion regarding our desires to utilize the argon analyzers in our argon purification systems, please contact me at 215-481-8606.

RECEIVED
Date 6/17/85
Log. June pg 11.7
By Jacques
Orig. To
Action Compl. 6/20/85

Very truly yours,

Eugene I. Handwerk, Coordinator
Toxicology & Regulatory Compliance

EIH:csb

Enclosure: Check for \$60.00

cc: W. F. Bechtel
J. Potosnak

8508130195 850724
REG1 LIC30
37-05105-07 PDR

Applicant
Check No.	6660.42
Amount/Fee Category	#69-31
Type of Fee	Amendment
Its Check Rec'd.	6/17/85
Received By	Jacques

"OFFICIAL RECORD COPY"

ML10

03935

JUN 10 1985

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee			
1. Air Products and Chemicals, Inc.		3. License number 37-05105-07	
2. P. O. Box 538 Allentown, Pennsylvania 18105		4. Expiration date May 31, 1990	
		5. Docket or Reference No. 030-22101	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Hydrogen 3	A. Titanium tritide foils (Safety Light Corporation Model 508-3 detector cells)	A. Not to exceed 50 millicuries per foil or 3.5 curies total	
9. Authorized use			
A. For use in a custom built Ion Mobility Detector Model D to analyze argon under an instrument design licensing agreement with Con Sip, Inc., Delphi Instrument Division, Whittier, California.			

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at Research and Development Facility #3, Route 222, Trexlertown, Pennsylvania.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions, and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, Eugene Handwerk, Radiation Protection Officer, or individuals who have completed the training program described in the licensee's application, as modified, dated April 1, 1985.
13. This license does not authorize commercial distribution of licensed material.
14. Detector cells containing licensed material shall not be opened or the foil removed from the detector cell by the licensee.
15. The licensee shall conduct a physical inventory every six (6) months to account for all foils received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of licensed material, location of foils and the date of the inventory.

37-05105-07 3pp.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

37-05105-07

Docket or Reference number

030-22101

(Continued)

CONDITIONS

16. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated December 11, 1984 and letter with attachments dated April 1, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



For the U.S. Nuclear Regulatory Commission

Original Signed By:

Jack Davis

By

Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406

Date MAY 03 1985

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Air Products + Chemicals, Inc.

Application Dated: 5/28/85

Control No.: 03935

License No.: 37-05105-07

2. FEE ATTACHED

Amount: \$60.00

Check No.: 606184

3. COMMENTS

Signed Brenda P. Latch

Date 6/11/85

03122

5/96

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: \$60 - 3P

2. Correct Fee Paid. Application may be processed for:

Amendment

Renewal

License

Signed John E. Glenn

Date 6/20/85