

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.

"OFFICIAL RECORD COPY"

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| Licensee | | 3. License number 37-05105-07 | |
| 1. Air Products and Chemicals, Inc. | | 4. Expiration date May 31, 1990 | |
| 2. P. O. Box 538 Allentown, Pennsylvania 18105 | | 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.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

37-05105-07

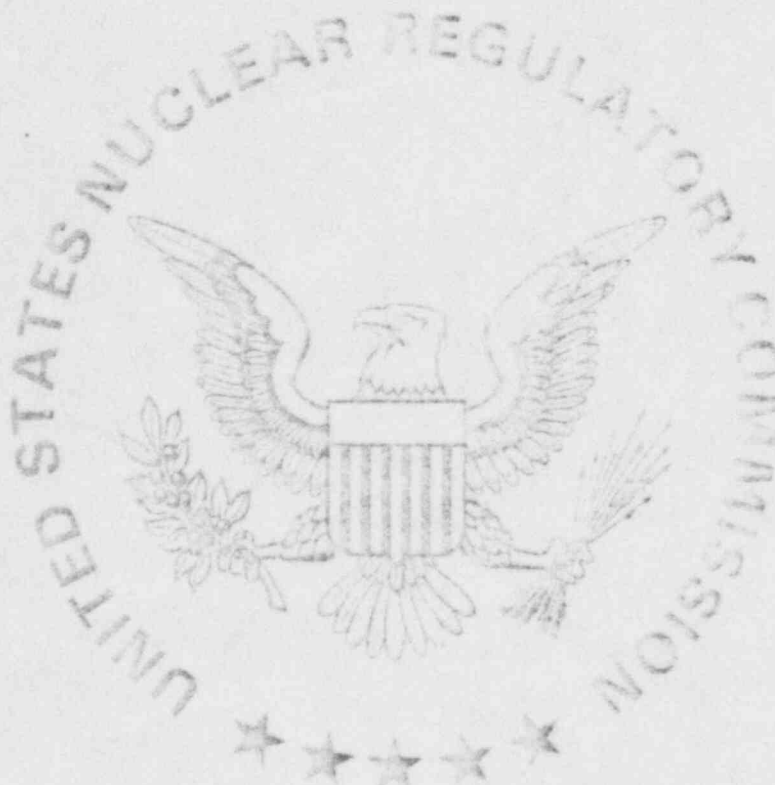
Docket or Reference number

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