

Flow Control Division
400 North Lexington Avenue
Pittsburgh, Pennsylvania 15208

Telex: 866241
Cable: ROCKWL INT PGH



Rockwell
International

April 25, 1985

Division of Fuel Cycle and Material Safety
Material Licensing Branch
United States Nuclear Regulatory Commission
Washington, DC 20555

RECEIVED BY LPLD	
Date	5/1/85
Log	15 I
By	Brown
Orig. To	
Action Compl	5/6/85

Gentlemen:

This letter is to request renewal of Materials License 37-19329-01 issued to Rockwell International Corporation in April, 1980.

We have reviewed our current license and find it to accurately describe the source materials in our possession, their physical/chemical forms, amounts, and current and anticipated usages.

We do at this time, however, wish to amend Condition 12 of our license. Kenneth J. Uzar, who is designated in Condition 12 is no longer employed by Rockwell International. We request that James E. Whitlinger be specified in his place. A resume for J. Whitlinger is attached to this letter.

Apart from the above, our current license and supporting documents accurately reflect our program. We wish to continue to operate under our current license in accordance with all applicable documents, NRC regulations, and specified conditions. A copy of our license and associated documents are enclosed.

A check in the amount of \$180.00 (renewal - \$120.00, amendment - \$60.00) is enclosed. If there are any questions regarding our renewal request, please contact me at 412-247-3236.

Very truly yours,

R. Pstir
Chemical Engineer
Materials Engineering Department

RP:kfs

Encl.: 1) Materials License 37-19329-01, April 1980 issue.
2) Amendment Request, July 30, 1981.
3) Amendment Sheet, September 14, 1981.

cc: C.W. Hartle
W.E. Heisey
R. Pstir

Applicant	74413461
Check No.	180/3P
Amount, Fee	Renewal
Type of Fee	5/1/85
Date Check Recd	Brown
Received By	

Refunded \$60

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RESUME OF J.E. WHITLINGER

J.E. Whitlinger -- Chemical Engineer

Education: Received BS degree in Chemistry from the University of Pittsburgh in April, 1974.

Experience: Has been employed six years in the Chemical Engineering Department of Rockwell International's Flow Control Division. Work experience includes extensive use of analytical instrumentation such as AA, IR, and GC as well as various physical test instruments. Has gained a knowledge of radiation theory through college training and work experience sufficient for operation of analytical instrumentation employing radioactive source detectors.

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MATERIALS LICENSE

This Copy Is For Your Files

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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); and to import such byproduct and source material. 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. Rockwell International Corporation 400 N. Lexington Avenue 2. Pittsburgh, Pennsylvania 15208		3. License number 37-19329-01 4. Expiration date April 30, 1985 5. Docket or Reference No.
6. Byproduct, source, and/or special nuclear material A. Nickel 63 B. Promethium 147 C. Thallium 204	7. Chemical and/or physical form A. Foils contained in Perkin-Elmer Model 009-0282 detector cells B. Sealed sources (Twin City Testing Corporation Model 66PC-PM147) C. Sealed sources (Twin City Testing Corporation Model 66 PC-T1204)	8. Maximum amount that licensee may possess at any one time under this license A. Not to exceed 15 millicuries per foil B. Not to exceed 600 microcuries per source C. Not to exceed 50 microcuries per source
9. Authorized use A. For use in Perkins-Elmer gas chromatographs for sample analysis. B. and C. For use in Twin City Testing Corporation Model NX-500 Beatascope for coating thickness measurements.		

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MATERIALS LICENSE

Supplementary Sheet

License Number 37-19329-01

CONDITIONS

Docket or
Reference No. _____

10. Licensed material shall be used only at 400 N. Lexington Avenue, Pittsburgh, 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, Raymond Patir or David A. Rollins.
13. Detector cells containing licensed material shall not be opened or the foil sources removed from the detector cell by the licensee.
14. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in Section 20.203(a)(1), Title 10, Code of Federal Regulations, Part 20, the licensee is hereby authorized to label detector cells and cell baths, containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols without a color requirement.
15.
 - A. Each chromatograph detector containing Nickel 63 shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a detector received from another person shall not be put into use until tested.
 - B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the surfaces of the device in which the foil is mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
 - C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the foil from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U. S. Nuclear Regulatory Commission, Region I, Office of Inspection and Enforcement, 631 Park Avenue, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.

MATERIALS LICENSE

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CONDITIONS

- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- (3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U. S. Nuclear Regulatory Commission, Region I, Office of Inspection and Enforcement, 631 Park Avenue, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

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17. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
18. The licensee shall conduct a physical inventory every six (6) months to account for all foils and sealed sources 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 byproduct material, location of foils and sealed sources, and the date of the inventory.
19. 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 February 29, 1980. 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.

Date APR 11 1980

For the U. S. Nuclear Regulatory Commission

by Paul R. Quinn
Material Licensing BranchDivision of Fuel Cycle and
Material Safety
Washington, D.C. 20555