

USNRC  
799 Roosevelt Rd.  
Building #4  
Glen Ellyn, IL. 60137  
Attn: Dr. Mallett



specialists in environmental technology

**Systech Corporation**

P.O. Box 266  
Paulding, Ohio 45879  
(419) 399-4835  
Xenia Number: (513) 372-8077

Dear Dr. Mallett,

Attached please find a copy of our current  
license # 34-18925-01 which expires on 4-30-1985.  
We would like to renew this licence, add  
another source, and add two more supervisors  
of their use. The added source is listed under  
parts 6 and 7 of the copy of the licence.  
The two additional supervisors will be  
Shawn McMullen and Tim Weible. Please contact  
me at the above address if further information  
is required.

U.S. NUC. SEC. REG. BRANCH

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Thank you,

Shawn McMullen  
Site Manager

Applicant: Mar 18 1985  
Client No. 2035  
Amount Paid: 34  
Type: Ren  
Date: 4/12/85  
Expiry: 4/30/85  
Issued By: B

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MAR 12 1985  
REGION III

8511180552 850806  
REG3 LIC30  
34-18925-01 PDR

CONTROL NO. 78480

MAR 12 1985

U. S. NUCLEAR REGULATORY COMMISSION  
MATERIALS LICENSE

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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. Systems Technology Corporation                                       |   | 3. License number 34-18925-01  |
| 2. 245 North Valley Road<br>Xenia, Ohio 45385                           |   | 4. Expiration date April 30, 1985  |
|   |   | 5. Docket or<br>Reference No.  |
| 6. Byproduct, source, and/or<br>special nuclear material                | 7. Chemical and/or physical<br>form   | 8. Maximum amount that licensee<br>may possess at any one time<br>under this license |
| A. Nickel-63  | A. Plated Source (contained<br>in Hewlett-Packard electron<br>capture Detector Cell<br>Model No. 19303-80010) | A. 1 source not to exceed<br>15 millicuries  |
| B. Nickel-63  | B. Plated Source (contained in<br>Perkin Elmer electron capture<br>detector cell model # 3300119)             | B. contains 10<br>millicuries  |
| 9. Authorized use   |   |  |
| A. To be used in Hewlett-Packard gas chromatograph for sample analysis. |   |  |

CONDITIONS

10. Licensed material shall be used only at General Portland, Incorporated, County Road 176 Paulding, Ohio 45879.
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, David Gordon Gossman.

DAVE GOSMAN

CONTROL NO. 7848

## MATERIALS LICENSE

Supplementary Sheet

License Number 34-18925-0Docket or  
Reference No. \_\_\_\_\_

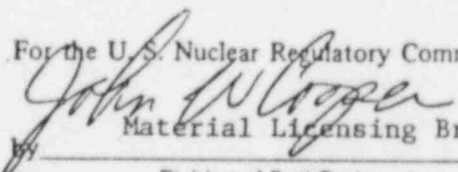
Continued from page 1

## Conditions

13. 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.
14. A. Each chromatograph detector cell containing Nickel-63 shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, a detector cell 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 Nickel-63 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 detector cell 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 III, Office of Inspection and Enforcement, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, 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.
15. Detector cells containing licensed material shall not be opened by the licensee.
16. Maintenance, repair, cleaning, replacement and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
17. 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 March 26, 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 10 1980

For the U. S. Nuclear Regulatory Commission

  
Material Licensing BranchDivision of Fuel Cycle and  
Material Safety  
Washington, D.C. 20555

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