



**NORTHEAST OHIO REGIONAL SEWER DISTRICT**  
4747 E. 49TH STREET • CUYAHOGA HEIGHTS, OH 44125-1101 • 216-641-6000

December 1, 1993

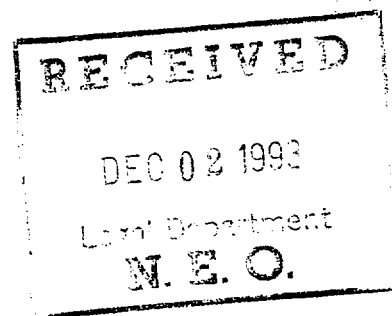
Region II, USNRC  
Office of Inspection and Enforcement  
101 Marietta Street, Suite 2900  
Atlanta, GA 30303

To Whom it May Concern:

You will find two copies of the registration form required for Registration of Generally Licensed Devices. The ECD detector was installed in the Analytical Services Laboratory on November 4, 1993.

Very truly yours,

Kim M. Shaw  
Adv. Instrumentation Chemist  
NEORS  
4747 E. 49th St.  
Cuyahoga Hts, OH 44125



KS/lq

cc: J. Tomasheski

Dear Customer:

The <sup>63</sup>Ni Electron Capture Detector (ECD) you received for use on Varian VISTA Series or 3000 Series Gas Chromatographs is distributed under license number 3092-07 GL, issued by the California Department of Health. By acquiring this ECD, you take upon yourself certain obligations (explained below) as a "General Licensee". (*Some states require a Specific License.*)

To become a General Licensee, you **must** register this radioactive material-containing device within 30 days and commit yourself to following the regulations as indicated in the *Radiation Safety Manual* (03-913999-00), paragraphs 9 and 10. The regulations in the *Radiation Safety Manual*, excerpted from the California Administrative Code, Title 17, are substantially the same as those you are subject to even if you use the ECD outside of California. You should also read the ECD Operator's Manual prior to operating the ECD.

The radiation authorities require that one person be in charge of an organization's ECDs. This individual must be familiar with this *General License Letter*, the *Radiation Safety Manual*, and is responsible for the following records:

- Certificate of Disposition of Materials
- Certificate of Leak Test
- Receipt, transfer, loss, or theft
- Notification of incidents
- Registration of Generally Licensed Devices

The *Registration of Generally Licensed Devices* form must be completed by the user and mailed to the radiation authority having jurisdiction in the actual location of use.

Attached to this letter is the *Registration of Generally Licensed Devices* form. Addresses of the United States NRC and the Agreement States are included. If your state is not separately listed as an Agreement State, you must register with the regional NRC office.

If the name on the purchase order is not the responsible individual, then that individual must be notified so that these notification requirements can be fulfilled. (See the California Code of Regulations, Title 17, Sections 30293, 30294, and 30295.)

Only the State of California Radiologic Health Section requires renewal of this registration every July of even-numbered years. **All Authorities** require that you resubmit a completed registration form when the ECD is moved to a different address.

A leak test is required every 36 months to determine if the exterior of the ECD has been contaminated. General Licensees are allowed to take their own wipes when using an approved wipe. A wipe kit testing service is available from Varian; contact Varian Customer Service for details (510-939-2400).

Detectors returned for foil replacement will be leak tested at no additional charge. No return authorization is necessary for billable repair shipments. See the *Radiation Safety Manual*, paragraph 7, for shipping procedures.

Varian has a disposal service for Varian ECDs. A *Certificate of Disposition of Materials* will be issued. Direct all shipments containing ECDs to "Attention: RAD LAB".

In summary:

- A leak test must be performed every 36 months
- Your *Registration of Generally Licensed Devices* (attached) must be sent to your radiation authority within 30 days
- Thoroughly familiarize yourself with the *Radiation Safety Manual*

Sincerely,



Larry Steinwandt, Radiation Safety Officer

Attachments

## United States Nuclear Regulatory Commission Inspection and Enforcement Region Offices

Region	Address	Telephone
Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont	Region I, USNRC Office of Inspection and Enforcement 475 Allendale Road King of Prussia, PA 19406	215-337-5000
Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, Panama Canal Zone, Puerto Rico, South Carolina, Tennessee, Virginia, Virgin Islands, West Virginia	Region II, USNRC Office of Inspection and Enforcement 101 Marietta Street, Suite 2900 Atlanta, GA 30303	404-331-4503
Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin	Region III, USNRC Office of Inspection and Enforcement 799 Roosevelt Road Glen Ellyn, IL 60137	312-790-5674
Arkansas, Colorado, Idaho, Kansas, Louisiana, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah, Wyoming	Region IV, USNRC Office of Inspection and Enforcement 611 Ryan Plaza Drive, Suite 1000 Arlington, TX 76011	817-860-8100
Alaska, Arizona, California, Hawaii, Nevada, Oregon, Washington, US Territories and Possessions in the Pacific	Region V, USNRC Office of Inspection and Enforcement 1450 Maria Lane, Suite 210 Walnut Creek, CA 94596	510-975-0200

## Agreement States

**Alabama 205-261-5315**

Division of Radiological Health  
Environmental Health Administration  
State Office Building  
572 E. Patton Avenue  
Montgomery, AL 36130-1701

**Arizona 602-255-4845**

Arizona Radiation Regulatory Agency  
4814 S. 40th Street  
Phoenix, AZ 85040

**Arkansas 501-661-2301**

Division of Radiation Control  
Arkansas Department of Health  
4815 West Markham, Slot 30  
Little Rock, AR 72201-3876

**California 916-322-3482**

Radiologic Health Section  
Department of Health Services  
714/744 P Street  
Sacramento, CA 95814-7320

**Colorado 303-692-3030**

Radiation Control Division  
Colorado Department of Health  
4300 Cherry Creek Drive South  
Denver, CO 80222-1530

**Florida 904-487-1004**

Office of Radiation Control  
Department of Health & Rehabilitative Services  
1317 Winewood Boulevard  
Tallahassee, FL 32399-0700

**Georgia 404-362-2675**

Radiation Materials Program  
4244 International Parkway, Suite 114  
Atlanta, GA 30354

**Illinois 217-785-9868**

Illinois Department of Nuclear Safety  
Office of Radiation Safety  
1035 Outer Park Drive  
Springfield, IL 62704

**Iowa 515-281-3478**

Bureau of Environmental Health  
Iowa Department of Public Health  
Lucas State Office Building  
Des Moines, IA 50319

**Kansas 913-296-1562**

Radiation Control Section  
Division of Health and Environment  
Department of Health and Environment  
109 SW. 9th Street  
Topeka, KS 66612

**Kentucky 502-564-3700**

Radiation Control Branch  
Department of Human Resources  
275 East Main Street  
Frankfort, KY 40601-1000

**Louisiana 504-765-0112**

Radiation Protection Division  
Office of Air Quality and Radiation Protection  
P.O. Box 82135  
Baton Rouge, LA 70884-2135

**Maine 207-289-5676**

Radiological Health Program  
State House, Station 10  
Augusta, ME 04333

**Maryland 410-631-3300**

Radiological Health Program  
Department of Health and Environment  
2500 Broening Highway  
Baltimore, MD 21224

**Mississippi 601-354-6657**

Division of Radiological Health  
State Board of Health  
3150 Lawson Street, P.O. Box 1700  
Jackson, MS 39205-1700

**Nebraska 402-471-2168**

Division of Radiological Health  
State Department of Health  
301 Centennial Mall South  
P.O. Box 95007  
Lincoln, NE 68509

## Agreement States (continued)

**Nevada** 702-687-5394

Radiological Health Section  
Department of Human Resources  
505 East King Street  
Carson City, NV 89710

**New Hampshire** 603-271-4588

Division of Public Health Services  
Bureau of Radiological Health  
Health and Welfare Building  
Radioactive Material Section  
6 Hazen Drive  
Concord, NH 03301-6527

**New Mexico** 508-827-4358

Radiation Protection Section  
Environmental Improvement Division  
P.O. Box 968  
Crown Building  
Santa Fe, NM 87503

**New York** 518-473-0048

Division of Policy Analysis  
2 Rockefeller Plaza  
Albany, NY 12223

**North Carolina** 919-571-4141

Department of Environment, Health  
and Natural Resources  
Division of Radiation Protection  
P.O. Box 27687  
Raleigh, NC 27611-7687

**North Dakota** 701-221-5188

Division of Environmental Engineering  
Radiological Health Program  
State Department of Health  
1200 Missouri Avenue, Room 304  
P.O. Box 5520  
Bismark, ND 58502-5520

**Oregon** 503-731-4014

Radiation Control Service  
Division of Health  
Department of Human Resources  
800 NE. Oregon St. #21  
P.O. Box 14450  
Portland, OR 97214-0450

**Rhode Island** 401-277-2438

Division of Occupational Health  
and Radiation Control  
Rhode Island Department of Health  
Cannon Building  
3 Capital Hill  
Providence, RI 02908-5097

**South Carolina** 803-734-4700

Bureau of Radiological Health  
State Department of Health  
and Environmental Control  
2600 Bull Street  
Columbia, OH 29201

**Tennessee** 615-532-0364

Division of Radiological Health  
Land Cannex, Third Floor  
401 Church Street  
Nashville, TN 37243-1532

**Texas** 512-834-6688

Texas Department of Health  
Bureau of Radiation Control  
1100 West 49th Street  
Austin, TX 78756-3189

**Utah** 801-536-4250

Division of Radiation Control  
Department of Environmental Quality  
168 North 1950 West  
P.O. Box 144850  
Salt Lake City, UT 84114-4850

**Washington** 201-753-3459

Radioactive Materials  
Department of Social and Health Services  
Mail Stop LD-11  
Olympia, WA 98504

**Canada** 613-593-5409

Atomic Energy Control Board  
P.O. Box 1046  
Ottawa, Canada, K1P 5S9

Commission de controle de l'energie atomique  
C.P. 1046  
Ottawa, Canada, K1P 5S9

Retain blank original for future reporting.*  Submit two completed copies to authority having jurisdiction in area of use.  Retain one completed copy.	<b>REGISTRATION OF GENERALLY LICENSED DEVICES</b>  (No fee required)	Department of Health Use Only
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**User Identification**

- 1) NEORSD  
Name of organization owning device
- 2) \_\_\_\_\_  
Previous registration number (if any)
- 3) 4747 East 49th St Cuyahoga Hts OH 44125  
Location of use      No.      Street      City      State      Zip      County
- 4) 216-641-6000  
Area Code      Telephone Number
- 5) Laboratory  
Nature of organization
- 6) Kim M Shaw / JB Tomaskeski  
Name of responsible individual
- 7) \_\_\_\_\_  
Mailing address (if different from above). No Post Office Box

\*Resubmit if any change has taken place. In California, resubmit every July of even-numbered years.

**Device Data**

Manufacturer: Varian Chromatography Systems  
2700 Mitchell Drive, Walnut Creek, CA 94598-1675, Contra Costa County

Telephone: 510-939-2400

License: Manufacturing #0256-07; Distribution #3092-07 GL

Isotope: 63Ni - 15 millicuries, maximum

Device: Type - Electron Capture Detector (indicate which model)  
 Model 02-001972-00  
 Model 03-917440-00

Purpose: Detector for Gas Chromatographs: 3000 or VISTA Series

I herewith commit myself and my company to adhere to the regulations supplied in the *Radiation Safety Manual*, P/N 03-913999-00.

I am aware of the following requirements:

- (1) Registration within thirty (30) days. Section 30192 (c)(2)(A).
- (2) General requirement. Section 30253.
- (3) Access to premises and records. Section 30254.
- (4) Leak test and record keeping. Section 30293.
- (5) Reporting of theft or loss of device. Section 30294.
- (6) Notification of incidents. Section 30295.
- (7) No unauthorized transfer of ownership. Section 30192 (c)(2)(B).
- (8) Shipping specifications. Paragraph 7 and Shipper's Certificate.

Signature: Kim M Shaw

Title: Adv Instrumentation Chemist Date: 11/29/93

# IMPORTANT DOCUMENT

Keep this certificate and future leak test records for display on request by an inspecting radiation official. Failure to supply records may result in a citation, suspension of your license, and/or a fine.

## CERTIFICATE OF LEAK TEST

The Electron Capture Detector (ECD) indicated below has been surveyed for external radioactive contamination as indicated in the  $^{63}\text{Ni}$  Radiation Safety Manual, Publication 03-913999-00, paragraph 3.

Isotope:  $^{63}\text{Ni}$

Date: 9-9-93

Model No.: 02-1972-00

Serial No.: A 10092

Cell No.: 11411  
069602

The removable radioactivity from the surface of this ECD cell was measured to be:

0001 microcuries

**NOTE:** Varian Chromatography Systems is required by the U.S. NRC and the California Department of Health to inform you that the  $^{63}\text{Ni}$  ECD must be leak tested every 36 months.

The California Department of Health - Radiation Authority has granted an extension of the time required between leak tests (for Varian ECDs) from the standard 6 month interval, to a 36 month interval per "Registry of Radioactive Sealed Sources and Devices, Safety Evaluation of Devices," Number CA662D101B, which is on file with all radiation authorities.



Larry Steinwandt  
Radiation Safety Officer  
Varian Chromatography Systems  
2700 Mitchell Drive  
Walnut Creek, CA 94598-1675