



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

December 1, 1993

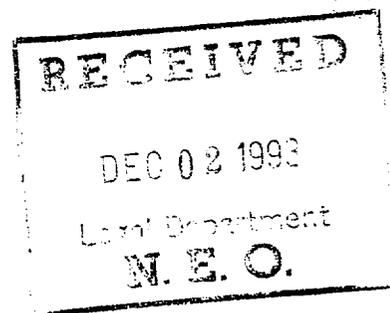
Region II, USNRC
Office of Inspection and Enforcement
101 Marietta Street, Suite 2900
Atlanta, GA 30303

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 ⁶³Ni 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.	REGISTRATION OF GENERALLY LICENSED DEVICES (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}Ni Radiation Safety Manual, Publication 03-913999-00, paragraph 3.

Isotope: ^{63}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}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