

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE February 22, 1984

SUBJECT Application for Amendment to NRC License 46-10100-02

FROM Arnold R. Gahler, Chief
EPA Region 1C Laboratory*AGahler*TO Material Licensing Branch
Division of Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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An amendment to NRC license 46-10100-02 (expiration date October 31, 1988) is requested as a result of additional instrumentation acquired containing a radioactive device.

The License should be amended as follows:

Item 6, 7, 8

Add: Nickel-63 metal foil in New England Nuclear gas chromatographic detector cell.
Radiation cell not to exceed 10 millicuries.

The detector is installed in a Shimadzu Mini 2 gas chromatograph, Shimadzu Scientific Instruments, Columbia, MD.

Licensed material will be housed in a government vehicle at 7411 Beach Drive East, Port Orchard, WA, but will be transported in the gas chromatograph in EPA vehicles to sites in Oregon, Idaho, and Washington by land transportation. If the instrument is to be used in Alaska, it may be transported by land or air. The transportation vehicles will be locked at all times when field personnel are not in them.

The licensed material will be under the supervision and use of Andrew J. Hafferty, Ecology and Environment, Inc. a contractor for EPA.

Users of Instrumentation and Training:

Andrew J. Hafferty

Course: Radiochemistry Techniques 410, 3 credits includes laboratory, University of Washington.

James K. Farr E and E Inc.
Ph.D Chemistry

No formal course in radiochemistry but some experience with C-14 tagged organic compounds.

Nathan A Graves, Roy F. Weston Co.

No experience. Will work under supervision

Gerald J. Portele, Roy F. Weston Co.

No formal course work, but some C-14 experience.

EPA has requested that a course be offered at the Region 10 Laboratory to train personnel involved with radioisotopes.

Mr. Hafferty will be responsible for safety measures in transporting the gas chromatograph, emergency procedures to be followed in case of accident to device, wipe tests results each six months transmitted to RPO.

enclosure.

cc: G. O'Neal
E. Cowan

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