

030-09518



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 10

Manchester, Washington 98353

REPLY TO  
ATTN OF:

M/S Lab

October 25, 1985

MEMORANDUM

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

FROM: *Michael M. Johnston*  
Michael M. Johnston, Chief  
EPA Region 10 Laboratory

TO: U.S. Nuclear Regulatory Commission  
Region 5  
Material Radiation Protection Section  
1450 Maria Lane, Suite 210  
Walnut Creek, CA 94596

RECEIVED  
NRC  
1985 OCT 31 PM 11:12  
REGIONAL OFFICE

An amendment to NRC license 46-10100-02 (expiration date October 3, 1988) is requested as a result of additional instrumentation acquired containing radioactive material.

Please amend the license application as follows:

Item 3 - Change the name of the laboratory director from  
Arnold R. Gahler to Michael M. Johnston

Item 6b - Delete the name of Phillip R. Davis and add  
Dickey D. Huntamer.

Item 7 - Delete Arnold Robert Gahler and add Stephen V.W. Pope

Item 8 - Line (5) A. Nickel 63  
B. Plated Foil  
C. New England Nuclear #S10290 detector cell.  
D. Not to exceed 15 millicuries per source  
E. For use in Hewlett-Packard 5880A gas  
chromatograph

Line (6) A. Nickel 63  
B. Plated Foil  
C. New England Nuclear #S10291 detector cell.  
D. Not to exceed 15 millicuries per source  
E. For use in Hewlett-Packard 5880A gas  
chromatograph

Line (7) A. Nickel 63  
B. Plated Foil  
C. Perkin Elmer detector #330-0119  
D. Not to exceed 12 millicuries per source  
E. For use in Perkin Elmer Sigma 2-B gas  
chromatograph

8602180405 851107  
REG5 LIC30  
46-10100-02

PDR

FEE EXEMPT

70279

- Line (8)    A. Hydrogen 3  
              B. Titanium Tritide Foil  
              C. Model - 3 Tracor detector cell  
              D. Not to exceed 250 millicuries per source  
              E. For use in Tracor MI222 gas chromatograph

Item 15a. Revise as follows:

Commercial leak test kits are supplied by Tracor, Hewlett-Packard, and Perkin Elmer and tests are conducted at 6-month intervals on the Nickel-63 detectors.

Item 15b. Add this statement:

Hewlett-Packard and Perkin Elmer detectors are serviced by the manufacturer if necessary.

Item 16. Revise as follows:

Formal Radiation Training

S.V.W. Pope -

- Coursework: - Radiochemistry - Arizona State University  
                  4 semester hours.  
              - Radiochemistry - Oregon State University  
                  12 quarter hours.

M.M. Johnston -

- Coursework: - Navy Nuclear Power Training  
                  - Mare Island, California  
                  - Idaho Falls, Idaho  
                  - 1 year

R.H. Rieck -

- Coursework: - None  
              - Inhouse training only.

Item 17. Revise as follows:

- S.V.W. Pope - For masters thesis worked with gamma analyzers, radiation counters, and NaI crystals, scintillation spectrometry. (2 years)  
              - U.S. Army Ballistics Research Lab  
                  Aberdeen Proving Ground, Maryland.  
                  Fallout research using a beam of radioactive atoms. (2 years)

M.M. Johnston - U.S. Navy. Qualified to supervise the operation of a naval nuclear power plant (4 years).

R.H. Rieck - No experience with radiation. 15 years gas chromatography experience with radioisotope detectors.