

Roldan, Lizette

From: Roldan, Lizette
Sent: Friday, June 24, 2011 2:38 PM
To: 'smith.garmon@epa.gov'
Subject: ESTABLISHING MAXIMUM POSSESSION LIMITS ON NRC LICENSE

License No.: 35-11581-02
Docket No.: 030-09517

Dear Mr. Garnder:

Your Nuclear Regulatory Commission (NRC) license currently has "open ended" possession limits for the radionuclides that you possess. The NRC no longer writes its licenses in this manner. Please provide the total activity you wish to possess for each radionuclide listed on your license.

Please establish an amount per source and a maximum possession limit for the following:

1. Americium-241
2. Cobalt-60
3. Nickel-63

Please respond to this e-mail by June 28, 2011. You may respond by e-mail as long as you attach your response in PDF format. When responding to this e-mail, please include the license and docket numbers located at the top of this page. If you have any questions regarding this e-mail, please call me at 817-276-6596.

Thanking you in advance for your cooperation, assistance and prompt response in this matter.

Sincerely,

Lizette Roldán-Otero, Ph.D.

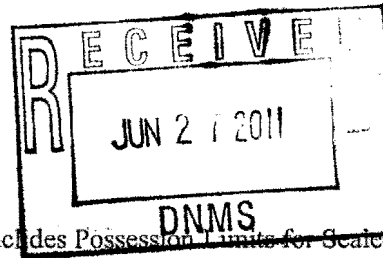
Health Physicist
Nuclear Regulatory Commission
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011
Office: 817-276-6596
Fax: 817-860-8263



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
GROUND WATER AND ECOSYSTEMS RESEARCH DIVISION
POST OFFICE BOX 1198
ADA, OK 74821

June 27, 2011

Dr. Lizette Roldan-Otero, Ph.D.
Health Physicist
U.S. Nuclear Regulatory Commission
Region IV
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011



SUBJECT: Establishment of Maximum Radionuclides Possession Limits for Sealed Sources on NRC License

RE: License No. 35-11581-02, Docket No. 030-09517

Dear Dr. Roldan-Otero:

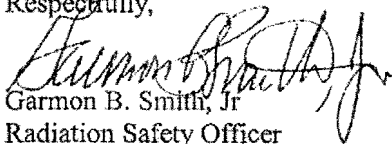
Per your e-mail request of June 24, 2011, I am providing you with a list of our sealed source radionuclides and requested maximum possession limits.

- 1) Americium-241 Sealed neutron source associated with a Troxler portable gauge; 10 millicuries per source with a maximum possession limit of 10 millicuries.
- 2) Cobalt-60 Sealed source for Tracerlab Model R-31; 5 millicuries per source with a maximum possession limit of 5 millicuries.
- 3) Nickel-63 Sealed sources for electron capture detectors used within gas chromatographs for laboratory and field analyses; 15 millicuries per source with a maximum possession limit of 225 millicuries.

These are the radionuclides contained in the sealed sources found in our license at this time, and I do not foresee us acquiring other gauges in the near future, or purchasing new electron capture detectors. However, I did provide in the maximum possession limit for Nickel-63 the cushion to purchase a replacement detector should the need arise. As I mentioned in our phone conversation, we would like to dispose of the Cobalt-60 source, as it serves us no purpose related to our research program needs. If you have any suggestions on how we may transfer this source to properly dispose of it, please let me know.

If you have any questions regarding this information, please contact me at 580-436-8565 or e-mail at smith.garmon@epa.gov.

Respectfully,


Garmon B. Smith, Jr.
Radiation Safety Officer

February 8, 2011 Tue.

Leak Tests for Sealed-Sources at GWERC:

- 1) Device SN: U510440053, Source SN: U8353(G2397A), Ni-63, 15mCi, [HP model 6890n GC]
- ⁵ 2) Device SN: u500001021, Source SN: K5760(G1533A), Ni-63, 15mCi, [HP6890]
- 3) Device SN: 00030997, Source SN: U1629(G2397A), Ni-63, 15mCi, [HP6890]
- 4) Device SN: 382, Source SN: 571619, Am 241 Be, 10mCi, [¹⁰ Troxler - Model 4302]
- 5) Device SN: Model R31-5, Source SN: 666, Co-60, 5mCi, [R31-5]
- 6) Device SN: N1262, Source SN: N780, Ni-63, 5mCi, [SRI 8610B-GC]
- ¹⁵ 7) Device SN: FGJD302, Source SN: FDJD302, Ni-63, 15mCi, [Photovac Voyager Portable GC]

** Visual Identification of Removed Sources at GWERC

- 1) Device SN: 3235A44825, Source SN: F5029, Ni-63, 15mCi [²⁰ Model: HP5890A], removed from GC, (stored in metal can), HP
- 2) Device SN: 2843A19606, Source SN: L6443, Ni-63, 15mCi, [Model: HP5890], removed from GC, (stored in metal can), HP
- 3) Source SN: U7616, Ni-63, 15mCi, [Agilent Technologies]
- 4) Source from HP5890, Device SN: 2843A19606, Source SN: L4660, [²⁵ Ni-63, 15mCi]
- 5) Source SN: S9537, 3/83, Ni-63, 15mCi, [Plastic bag in tub]
- 6) Model # 03-908377-00, Source SN: T713, 7/83, Ni-63, 8mCi, Varian GC, [red case]

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SIGNATURE



DISCLOSED TO AND UNDERSTOOD BY

DATE

WITNESS

TITLE

GWERC Leak Tests

PROJECT NO. 5851

Work continued from Page 110

BOOK NO. VII

February 8, 2011 Tues.

Contd.: Visual Identification of Removed Sources at GWERC

- 7) Source SN: 58034, Ni-63, 15mCi, ~~12/88~~ 6/80
- 8) Source SN: L4937, Ni-63, 15mCi, 12/88
- 59) Source from HP 6890 series GC, Device SN: 00030993,
Source SN: U1644, Ni-63, 15mCi

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BETWEEN:

Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM LTS

Program Code: 03620
Status Code: Pending Amendment
Fee Category: 3M 3P
Exp. Date:
Fee Comments:
Decom Fin Assur Reqd: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ENVIRONMENTAL PROTECTION AGENCY
Received Date: 06/27/2011
Docket Number: 3009517
Mail Control Number: 575474
License Number: 35-11581-02
Action Type: Amendment

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed: Colleen Murnahan
Date: 6-28-2011

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered ())

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment: _____
Renewal: _____
License: _____

3. OTHER _____

Signed: _____
Date: _____