



**Quarterly Report – 1st Quarter, 2015
General License Distribution Notification
Distribution License No: MA-53-0706**

May 6, 2015

U.S. Nuclear Regulatory Commission
Director of Nuclear Materials Safety and Safeguards (NMSS)
Attn: Document Control Center / GLTS
Washington, DC 20555-0001

Re: SSD #MA-0573-D-103-B, 15 mCi Co-57, XRF application

To Whom It May Concern:

This letter is to notify your department about the distribution of the above referenced device in the NRC's jurisdiction under General License provisions in the 1st Quarter of 2015. This reporting is to comply with the Protec Instrument Corporation Massachusetts Distribution License MA 53-0706 for distribution of the LPA-1B XRF system listed under SS&D MA-1383-D-101-B. This reporting is done under the guidance of 10 CFR 32.52(a)&(b) reporting of generally licensed device distribution.

The attached are the General License Shipment (s) information for the customer(s) that received XRF system(s) in Regions/States under NRC Jurisdiction. Each LPA-1B XRF System contains a Cobalt-57 x-ray source (max 12mCi).

If there are any questions or requests for additional information please contact us.

Thank you,


Verena Streber
Radiation Safety Officer
Protec Instrument Corporation
38 Edge Hill Road
Waltham, MA 02451
P: (617) 318-5050
verena@protecinstrument.com

Attachments (11)

Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 22 Jan 2015

Model: LPA-1B

Serial No: 1123

New: Resource: Y Converted: NRC Jurisdiction: Y

3rd Party:

License #

Customer: Safehomes

Address 493 Willow Street

City/State: Waterbury, CT 06710

Telephone 203-591-8100

Contact: Bob Kennedy

Title: Radiation Contact

Source SN: M1-988

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date:

Comments:

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Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 06 Feb 2015

Model: LPA-1B

Serial No: 1377

New: **Resource:** Y **Converted:** _____ **NRC Jurisdiction:** Y

3rd Party:

License #

Customer: Fuss & O'Neill EnviroScience

Address 146 Hartford Road

City/State: Manchester, CT 06040

Telephone 860-646-2469 ext.5246

Contact: Marjorie Waite

Title: Radiation Contact

Source SN: M1-987

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date:

Comments: _____

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Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 24 Feb 2015

Model: LPA-1B

Serial No: 4028

New: Y Resource: Converted: NRC Jurisdiction: Y

3rd Party:

License #

Customer: Mystic Air Quality Consultants, Inc.

Address: 1204 North Road

City/State: Groton, CT 06340

Telephone: 800-247-7746

Contact: Chris Eident

Title: Radiation Contact

Source SN: M3-267

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date:

Comments:

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Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 18 March 2015

Model: LPA-1B

Serial No: 1639

New: _____ **Resource:** Y **Converted:** _____ **NRC Jurisdiction:** Y

3rd Party: _____

License # _____

Customer: Town of Manchester

Address: 479 Main Street

City/State: Manchester, CT 06045-0191

Telephone 860-647-3173

Contact: Jeff Catlett

Title: Radiation Contact

Source SN: M2-007

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date: _____

Comments: _____

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Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 12 Jan 2015

Model: LPA-1B

Serial No: 1053

New: _____ **Resource:** Y **Converted** _____ **NRC Jurisdiction:** Y

3rd Party: _____

License # _____

Customer: Compli-Chek Environmental

Address **2709 Geert Court**

City/State: Lansing, MI 48910

Telephone 516-507-2547

Contact: Burt Russell

Title: Radiation Contact

Source SN: M1-958

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date: _____

Comments: _____

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RS Form GL001A-5

General License Shipment

Date: 13 Jan 2015

Model: LPA-1B

Serial No: 3621

New: _____ **Resource:** Y **Converted** _____ **NRC Jurisdiction:** Y

3rd Party: _____

License # _____

Customer: GS Group Inc.

Address 17800 Woodward Ave., Suite 200

City/State: Detroit, MI 48203

Telephone 313-279-0449

Contact: Monica Starks

Title: Radiation Contact

Source SN: M1-962

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date: _____

Comments: _____

Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 27 March 2015

Model: LPA-1B

Serial No: 3541

New: **Resource:** **Y** **Converted:** **NRC Jurisdiction:** **Y**

3rd Party: _____

License #

Customer: Clear Way Environmental

Address: 7920 Ward Parkway

City/State: Kansas City, MO 64114

Telephone 816-682-0462

Contact: Leland Sumptur

Title: Radiation Contact

Source SN: M3-851

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date: _____

Comments: _____

1. *Chlorophyll a* (Chl *a*) is the primary photosynthetic pigment in most algae and higher plants. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum.

Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 24 Feb 2015

Model: LPA-1B

Serial No: 3368

New: Resource: Y Converted: NRC Jurisdiction: Y

3rd Party:

License #

Customer: Titan Environmental Services, Inc.

Address: 2944 Southwest Blvd.

City/State: Kansas City, MO 64108

Telephone: 816-561-0959

Contact: Karla Granger

Title: Radiation Contact

Source SN: M2-002

Initial: CH

Radiation Safety Use only

State Notification Required: Yes No

State Notification date:

Comments:

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Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 22 Jan 2015

Model: LPA-1B

Serial No: 2691

New: _____ **Resource:** Y **Converted:** _____ **NRC Jurisdiction:** Y

3rd Party: _____

License #

Customer: USCG Air Station Borinquen

Address 260 Calle Guard

City/State: Aguadilla, PR 00603-1304 PR

Telephone 787-890-8438

Contact: Michael Donato

Title: Radiation Contact

Source SN: M1-994

Initial: _____ **KG** _____

Radiation Safety Use only

State Notification Required: Yes No

State Notification date: _____

Comments: _____

[illegible]

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Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 23 March 2015

Model: LPA-1B

Serial No: 4029

New: Y **Resource:** **Converted:** **NRC Jurisdiction:** Y

3rd Party: _____

License # _____

Customer: Wyoming C D A

Address: 155 North Beech Street

City/State: Casper, WY 82602

Telephone 307-262-1590

Contact: Rick Juday

Title: Radiation Contact

Source SN: M3-801

Initial: KG

Radiation Safety Use only

State Notification Required: Yes No

State Notification date: _____

Comments: _____

Protec Instrument Corporation

RS Form GL001A-5

General License Shipment

Date: 24 Feb 2015

Model: LPA-1B

Serial No: 1834

New: _____ **Resource:** Y **Converted:** _____ **NRC Jurisdiction:** Y

3rd Party: _____

License # _____

Customer: Cheyenne Housing & Comm Dev

Address 2101 O'Neil Ave, R102

City/State: Cheyenne, WY 822001

Telephone . . . 307-637-6287

Contact: Deanne Widauf

Title: Radiation Contact

Source SN: M3-272

Initial: _____ **CH** _____

Radiation Safety Use only

State Notification Required: Yes No

State Notification date: _____

Comments:

2. The second part of the paper is devoted to the study of the asymptotic behavior of the solutions of the problem (1)–(3) as $\epsilon \rightarrow 0$. It is shown that the solutions of the problem (1)–(3) converge to the solutions of the problem (1)–(3) in the limit as $\epsilon \rightarrow 0$. The asymptotic behavior of the solutions of the problem (1)–(3) is studied in the case of a homogeneous boundary condition on the lateral surface of the cylinder.

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