

3050 Spruce Street, St. Louis, MO 63103 USA
Tel: (800) 521-8956 (314) 771-5765 Fax: (800) 325-5052 (314) 771-5757

May 18, 2012

Cassandra F. Frazier
Senior Health Physicist
Materials Licensing Branch
U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352
Office: (630) 829-9830
Fax: (630) 515-1259

RE: Intent to terminate NRC License No. 24-16607-02

Dear Ms. Frazier

This letter is a follow up to our recent communication regarding the referenced licensed facility located at 3050 Spruce Street, St. Louis, MO. As I noted, because Sigma-Aldrich is shutting down operations at the licensed facility, we prefer not to renew the license for possession, storage and distribution. We have contracted with a vendor to perform a clearance survey. The results of the survey, along with the additional required information noted in your email, will be included in a formal request to terminate the license. We expect to make this request by the end of June, 2012.

Please contact me if you have any questions or concerns about this matter.

Sincerely,



Thomas K Spencer
Radiation Safety Officer
Phone: 314-286-7686
Email: thomas.spencer@sial.com

Frazier, Cassandra

From: Thomas Spencer [Thomas.Spencer@sial.com]
Sent: Friday, May 18, 2012 9:28 AM
To: Frazier, Cassandra
Cc: Joe Lutkewitte; Cheryl Stipsits; Bob Ringering
Subject: Re: Termination of NRC License No. 24-16607-02
Attachments: Sigma ltr of intent to terminate license.pdf

Sandy,

Thanks for the information regarding what is needed to terminate our license and release the Spruce facility. I have attached a letter in pdf format that states our intention to complete a close-out survey and terminate the license.

Please contact me if you have any questions or concerns after receiving the letter.

Best regards,
Tom

SIGMA-ALDRICH®

Tom Spencer /Production Manager
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From: "Frazier, Cassandra" <Cassandra.Frazier@nrc.gov>
To: "Tspencer@sial.com" <Tspencer@sial.com>
Date: 04/24/2012 09:52 AM
Subject: Termination of NRC License No. 24-16607-02

Tom,

In reference to our telephone conversation, in order to authorize you to terminate your license and release your old facility located at 3050 Spruce Street, St. Louis, Missouri for unrestricted use (even by other members of your staff), we will need to review a copy of the results of your close-out survey. The survey should consist of exposure rate measurements to show that all sources of radioactive material have been removed, and contamination checks of areas where radioactive materials were used or stored. Average radiation levels associated with surface contamination and removable contaminations should not exceed those specified in the enclosed decontamination guide. Please submit the following information with your close-out survey:

- a. A history of all radionuclides used at your facility.
- b. A current copy of the leak test results for the sealed sources used at your old facility. Also a history of leaking sealed sources (if applicable).
- c. A diagram of your old facility with survey and wipe test results keyed to specific locations. Please record your survey results using the appropriate units as described in 10 CFR 30.36 (j) (2) (i).

- d. The name of the person performing the survey.
- e. The date the survey was performed.
- f. The instrument(s) used for exposure rate measurements and for analysis of the wipes.
- g. Background readings.
- h. The date that the survey instrument was last calibrated.
- i. Confirm that all radioactive waste has been decayed to background radiation or has been transferred to a radioactive waste broker for disposal. Also, please specify the final disposition of the sealed sources.

In addition, as we discussed, please provide a letter stating your intentions regarding the termination of your License No. 24-16607-02. If you provide your response via e-mail, please provide a signed and dated pdf copy to Cassandra.Frazier@nrc.gov. If you have any questions regarding the above information, please give me a call at (630)829-9830.

Sandy

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