

The Boeing Company
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(314) 232-0232

107A-6697-MJD
November 1, 2012

United Nuclear Regulatory Commission
Region III
Attn: Bryan Parker
2443 Warrensville Road, Suite 210
Lisle, IL 60532-4352



Re: Mail Control Number: 579232, NRC License 24-02261-03

Dear Mr. Parker:

This letter serves as a follow-up to the letter I faxed Ms. Patty Pelke on October 8, 2012, and the telephone conversation between you and me on October 29, 2012. I am requesting amending license 24-02261-03 as follows:

1. Delete item 6.A. The Hydrogen-3 source was shipped on 9/26/12 via Thomas Gray & Associates to Waste Control Specialists landfill in Texas for appropriate disposal.
2. Remove Rod Cadanau as the RSO and replace him with Mike Kohls. Per our discussion on October 29, you indicated that Mike Kohls needs a "refresher" radiation safety class to fully assume this role. He is enrolled in a "Radiation Safety Officer Training Class" sponsored by Nevada Technical Associates, scheduled for November 26-30, 2012, in Columbus, Ohio. Prior to Mike Kohls completing that class, I am requesting he function as "acting" RSO. After completion of the course, I understand he will automatically be granted "full" approval as RSO by the NRC.
3. Reword item 11.A. as follows:
 - a. 11. A. Licensed material listed in subitem 6.B. shall be used by or under the supervision of Mike Kohls, Doug Rensing, and Wayne Vetter. Licensed material listed in subitem 6.C. shall be stored by, or under the supervision of Mike Kohls and Eric Dennison. Licensed material listed in subitem 6.D. shall be used by or under the supervision of Mike Kohls, Chris Sherman, Roger Perry, Dan Bertel, and Steve Dothhager.
4. Reword 11.B. as follows:
 - a. 11.B. The Radiation Protection Officer for the activities authorized by this license is Mike Kohls.

Thank you for processing this amendment and please let me know if you need more information or have questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael J. Dwyer".

Michael J. Dwyer
Director-Environment, Health, and Safety
Boeing-St. Louis
314-777-9238 (d)
314-705-4900 (c)

[illegible]

NRC FORM 542 EXPIRES 8/13/2013		U.S. NUCLEAR REGULATORY COMMISSION rev. 08-05		1. WASTE COLLECTOR/PROCESSOR				2. MANIFEST NUMBER T4444			
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST MANIFEST INDEX AND REGIONAL COMPACT TABULATION List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators				NAME Thomas Gray & Associates, Inc.		SHIPPER USE ONLY		3. PAGE <u>1</u> of <u>1</u>			
				IDENTIFICATION NUMBER B400							
SHIPPING DATE 9/20/2012											
4. GENERATOR IDENTIFICATION NUMBER	5. GENERATOR NAME PERMIT NUMBER (IF APPLICABLE) AND TELEPHONE NUMBER	6. GENERATOR FACILITY ADDRESS	7. PREPROCESSED WASTE (OR MATERIAL VOLUME (m ³))	8. MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT	9. WASTE CODE P = PROCESSED C = COLLECTED	10. ORIGINATING COMPACT REGION OR STATE	11. AS PROCESSED/COLLECTED TOTAL				
							A. SOURCE MATERIAL (kg)	B. SNM (g)	C. ACTIVITY (MBq/mCi)	D. VOLUME (m ³)	
	The Boeing Company 314.777.9229	6200 J.S. McDonnell Blvd. (MC: S111-2) St. Louis, MO 63134 Rod Cadanau	0.0758 m ³	T4444 9/20/2012	C	MO	0.00E+00	0.00E+00	3200.871258 86.510034	0.0758 2.68	
TOTALS ON ALL PAGES (NRC FORMS 542 & 542A)											

RSO Qualifications – Eric Dennison:

B.S. Engineering Physics & Minor in Computer Science, Missouri State University 1989.

Completion of 40-hour Radiation Safety Officers Training and Health Physics at Harvard School of Public Health, 1991.

Radiation field work experience. Boeing X-Ray Radiation Safety Program lead/RSO. Includes industrial x-ray and open radiography, medical x-ray facility, RAM storage vault and calibrator surveys; contamination wipe tests, leak tests, and shipping surveys. Conduct radiation safety training.

- **Semi-annual surveys of 3 industrial x-ray vaults, 1 medical x-ray facility, various low-level x-ray sources such as mail scanners, circuit board inspection system and scanning electronic microscopes. (Current activity and dating back to approx. 15 years.)**
- **Audit and assist with open radiography surveys, dosimetry and control measures. (Current activity and dating back to approx. 15 years.)**
- **Radioactive materials storage vault room and cesium-137 calibrator radiation surveys. (Current backup to our RSO dating back approx. 15 years so seldom performed, however, prior to that performed these routinely.)**
- **Contamination wipe tests in RAM vault room, leak tests of ECD and sealed pressure gauges, and CO-60 Gammacell irradiator. (15-20 years ago.)**

Member of the Boeing St. Louis Radiation Safety Committee for approx. 20 years.

Assisted NRC RSO for approx. 15 years.

Radiation program audits in support of the Boeing St. Louis RSC. Include auditing Vault Room inventory/records, Cs-137 Calibrator facility, radiation instrument calibration records and RAM shipping.

Boeing Engineer. RAM Vault Room and Cesium-137 Calibrator custodian. Storage and surveys, both gamma and wipe tests, of radioactive materials. Operated the Cesium-137 Calibrator and calibrated radiation instruments. Operated CO-60 Gammacell irradiator. (20-22 years ago)