



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
US ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND
EDGEWOOD CHEMICAL BIOLOGICAL CENTER
5183 BLACKHAWK ROAD
ABERDEEN PROVING GROUND, MD 21010-5424

September 18, 2009

Technical Director

Brj2

Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

RECEIVED
REGION I
2009 SEP 28 PM 12:50

Dear Sir or Madam:

03004552

Reference Amendment to NRC Radioactive Materials License Number 19-10306-01, Docket No. 030-04552.

We are requesting an amendment to the radioactive materials license referenced above to make the following change:

Condition 12. The Radiation Safety Officer for this license is Paul R. Madairy.

A resume for Mr. Paul R. Madairy is provided as an enclosure.

If you have any questions regarding this action, please address them to Mr. Paul R. Madairy, ECBC Radiation Safety Officer, telephone 410-436-1381 or facsimile 410-436-4445, or by e-mail paul.madairy@us.army.mil.

Sincerely,

Richard W. Decker, II
Technical Director

Enclosure



Paul R. Madairy

RSO, Inc.
1-410-456-2666

EDUCATION

B.S., Applied Physics, University of Maryland Baltimore County, 1999

TRAINING

Diagnostic X-ray Physics (40 Hour) July 2007

MARSSIM Course Oak Ridge Associated University (40 Hour) April 2005

Certified Health Physicist Preparation Course Balto-Wash Chapter – Health Physics Society (80 hours) 2003

Chem-Nuclear DOT Radioactive Waste Packaging, Transportation, and Disposal Workshop (40 Hour) November 2000, refresher every two years after

USEPA "HAZWOPPER" Training, AAES, Inc. (40-hour) March 2000, refresher every year after

Fundamentals of Radiation Safety Training, Radiation Safety Academy, (16 hours) - February 2000

DOT Hazmat /MDE CHS Training, RSO, Inc. (8 hours) - February 2000

Lift Truck Operation Safety, Safety Council of MD, Inc. (8 hr) -December 1999

Radiation Safety Training, RSO, Inc. (4 hours) - November 1999

PROFFESIONAL EXPERIENCE

2000-Present: Health Physicist – RSO, Inc. / Mid-Atlantic Radiation Physics

Edgewood Chemical Biological Center (ECBC) – Edgewood, MD

Current Alternate Radiation Safety Officer

Maintain Radiation Safety Program

Authored and implemented MS Access database and MS Excel spreadsheet solutions for:

Inventory

Waste Tracking

Laboratory Quality Control for Liquid Scintillation Counting

U.S. Army Institute for Chemical Defense (USAMRICD) – Edgewood, MD

Current Alternate Radiation Safety Officer

Maintain Radiation Safety Program

Authored and implemented MS Access database and MS Excel spreadsheet solutions for:

Inventory

Waste Tracking

Smiths Detection Edgewood – Edgewood, MD

Current Assistant to the radiation safety officer

Design, implement, and manage the shipping, receiving, and inventory for approximately 2000 chemical agent detectors per year containing Ni-63 ion chamber technology (Microsoft Access)

Maintain General License distribution reporting to the NRC, MDE (Maryland Department of the Environment), and every state quarterly that ships or receives a generally licensed device under the Sealed Source and Device Registration issued to Smiths Detection Edgewood.

Maintain and renew agreement state license issued by the Maryland Department of the Environment including all activities required by Regulations for the Control of Ionizing Radiation (COMAR 26.12.01.01)

Smiths Detection Alcoa – Alcoa, TN

Provide training for new machine purchases as well as regulatory guidance for state registration.

Decommissioning

Health physics supervisor for the decommissioning of the Jadwin Cyclotron for Princeton University - September 2004 through February 2005.

Oversee health physics technicians and demolition team to segregate radioactive contaminated and activated materials.

Oversee radioanalytical laboratory to ensure accuracy of all data.

Designed and implemented final survey using MARSSIM criteria.

Supervised and/or implemented decommissioning plans and surveys using MARSSIM criteria:

National Institute of Health – Bethesda, MD

Dupont Pharmaceuticals – Wilmington, DE

SEIPO (Safety and Integrated Planning Office) Fort Detrick – Fredrick, MD

Incyte Genomics – Newark, DE

US Army Research Laboratories – Adelphi, MD

Advanced Biotechnologies Inc. – Columbia, MD

Bristol Meyers Squibb Pharmaceuticals – Wilmington, DE

Smiths Detection Edgewood – Edgewood, MD

SUGEN Pharmaceuticals – San Francisco, CA

Delaware Department of Natural Resources and Environmental Control – Dover, DE

Gene Logic – Gaithersburg, MD

Nuclear Medicine

Provide Nuclear Medicine audits for clients ranging from small medical offices to hospitals. Audits include: linearity, accuracy, geometry, and constancy testing for dose calibrators; record checking for patient dose logs and appropriate surveys; regulatory checks for postings, decay in storage, training, etc. Make recommendations for improvements to the radiations safety program.

X-Ray

MDE state certified inspector specializing in industrial x-ray diffraction and x-ray fluorescent machines. Provide training for new machine purchases as well as regulatory guidance for state registration.

Other Experience

Consulting and various services including radiation surveys of research laboratories, leak testing of radioactive sources and devices, and receiving/inventory of radioactive material packages for industrial and medical facilities.

Provide radiation safety training for:

Paul R. Madairy

RSO, Inc.
1-410-456-2666

Smiths Detection Edgewood, Edgewood, MD
Smiths Detection Alcoa, Alcoa, TN
Smiths Detection Pinebrook, Pinebrook, NJ
Military Research Institute for Chemical Defense, Edgewood, MD
Dupont Agricultural Division, Wilmington, DE
Incyte Genomics, Wilmington, DE

PROFESSIONAL AFFILIATIONS AND ACCREDITATIONS

Plenary Member Health Physics Society
Member Baltimore Washington Health Physics Society
Maryland Class C CDL with Hazmat endorsement

This is to acknowledge the receipt of your letter/application dated

9/18/09, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (19-10306-01) There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 144213.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (R1)
(6-96)

Sincerely,
Licensing Assistance Team Leader