Hill, Carol

From: Cook, Jackie
Sent: Wednesday, February 29, 2012 3:40 PM
To: Hill, Carol
Subject: FW: Response to Letter dated October 8, 2011
Attachments: RichardRossRSO Certification.pdf; RSOcertification.pdf

Carol:

Please print the attachments and the message below and put this with the pending termination request.

Thanks,

Jackie

-----Original Message-----
From: Richard Ross [mailto:Ross.Richard@epamail.epa.gov]
Sent: Thursday, February 09, 2012 7:15 PM
To: Cook, Jackie
Subject: RE: Response to Letter dated October 8, 2011

Ms. Cook,

I must apologize for our delay in requesting a subsequent licensing amendment. For efficiency and hoping to comply with your wish to include all business at hand in one amendment, I have been delayed by an NEIC-wide decision of what materials we will handle in the future and other proposals going forward. I am hoping after a meeting scheduled next week that we will come to an informed decision that will satisfy NRC requirements and provide the flexibility we need to conduct our work in requesting materials categories on our license. Meanwhile there is the pending matter of the RSO for our organization. To this end I would at least submit my updated qualifications for your consideration at the appropriate time, perhaps when a consolidated amendment is in order.
However I do not wish to be out of compliance with NRC regulations. I should note however, that my appointment is only an interim measure as I to plan to retire within the next two months myself.

Please let me know if you need additional information during the next few weeks while we hopefully finish our deliberation.

Thank you

Richard Ross
Chemist, US EPA NEIC

(See attached file: RichardRossRSO Certification.pdf) (See attached file: RSOcertification.pdf)

From: "Cook, Jackie" <Jackie.Cook@nrc.gov>
To: Richard Ross/NEIC/USEPA/US@EPA

Cc: Jamie Headley/NEIC/USEPA/US@EPA
Date: 11/02/2011 06:42 AM
Subject:RE: Response to Letter dated October 8, 2011

Mr. Ross:

I acknowledge receipt of your response to our letter dated 10/8/2011 including a request to name you as the RSO. Please expand upon the request to name you as the RSO by submitting your training and experience as RSO in accordance with NUREG-1556, Vol. 7, guidance (http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v7/ - Item 8.7.1) or please give the dates when you were listed as the RSO for EPA, NEIC previously. In addition, I understand that you are not able to respond to question 4A yet. However, I will check the status of your response after performing my technical review and will work with you until you are comfortable in providing a response.

Please note that I will process all the amendment requests together including the August 16, 2011 amendment request from Mr. Fletcher.
Again, please don't hesitate to contact me if I can be of further assistance.

Have a GREAT Wednesday!

Jacqueline "Jackie" D. Cook
Senior Health Physicist
Division of Nuclear Materials Safety
Nuclear Materials Safety Branch B
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011
817-860-8132 (office)/817-860-8263 (fax) e-mail address: Jackie.Cook@nrc.gov

-----Original Message-----
From: Ross.Richard@epamail.epa.gov [mailto:Ross.Richard@epamail.epa.gov]

Sent: Tuesday, November 01, 2011 7:16 PM
To: Cook, Jackie
Cc: Headley.Jamie@epamail.epa.gov
Subject: RE: Response to Letter dated October 8, 2011

Ms. Cook,

Sorry not to have gotten back with you several days ago. Yes, the information that you received from Steve Fletcher is mostly what I was waiting for, but there are bigger issues for us in terms of what our license should be in the future and I am not able to fully respond to your question 4A quite yet. I am waiting for additional information from at least one other entity within EPA and then need to have a discussion with the NEIC management as to future expectations. Although we wish to amend our license to name myself as the RSO at this time, we are not quite yet prepared to have our license amended to the extent we expect. Our present responses to the questions you posed in your October 8 letter are attached.

Please let me know if we can answer any other questions at the present time while awaiting the information I have alluded to here.

As always, thank you for your guidance and other assistance.

Richard Ross, chemist

(See attached file: 1031NRCletter.pdf)(See attached file: Registry 111-B.pdf)(See attached file: 1031NRCletter.pdf)

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| From: |
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|"Cook, Jackie" <Jackie.Cook@nrc.gov>
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| To: |
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|Richard Ross/NEIC/USEPA/US@EPA
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| Date: |
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|10/26/2011 06:35 AM
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| Subject: |
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|RE: Response to Letter dated October 8, 2011
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Mr. Ross:

I acknowledge receipt of your signed response letter to our request for additional information requesting a 2 week extension. You are granted a
2 week extension to respond to our October 8, 2011 e-mail deficiency letter. I will expect your response by Wednesday, November 9th. Please note that I will be out of the office on official business travel November 7-8, 2011.

Please confirm if the email from Mr. Steve Fletcher (with attachments 1) SS&DR NR-0348-D-111-B 2) screen shot from Agilent's electronic data
base) is the information you were waiting on to respond to Question 4.C.

As I conveyed to Mr. Fletcher, of course we will continue to work closely with EPA NEIC when you get ready to amend your license to change RSOs.

Please don't hesitate to contact me at your convenience at the phone numbers and/or email address listed below if I can be of further assistance or if you have additional questions or need for clarification.

Have a GREAT Wednesday!

Warmest Regards,

Jacqueline "Jackie" D. Cook
Senior Health Physicist
Division of Nuclear Materials Safety
Nuclear Materials Safety Branch B
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011
817-860-8132 (office)/817-860-8263 (fax) e-mail address:
Jackie.Cook@nrc.gov

RADIATION SAFETY OFFICER (RSO) QUALIFICATION STATEMENT

December 2011
Submitted to the United States Nuclear Regulatory Commission, Subject to Approval

Name: Richard C. Ross

Position Title: Senior Chemist

Business Address: U.S. Environmental Protection Agency
National Enforcement Investigations Center
Building 25, Box 25227
Denver Federal Center
Denver, Colorado 80225
(303) 462-9105
ross.richard@epa.gov (email)

Education: B.S. Degree – Chemistry 1969
University of Missouri
Columbia, Missouri

Professional Organizations: American Society for Testing and Materials

Civilian Government Employment History:

1972	U.S. EPA-NEIC
to	Building 25, Box 25225
Present	Denver, Colorado 80225
	Chemist

Approximately 40 years of laboratory experience. Background includes EPA NEIC *Radiation Safety Officer from June 15, 1984 to April 11, 1988.*

In addition to a multitude of other duties and work-related experiences, as laboratory chemist, earlier in government career, performed EPA radiochemical procedures for the determination of gross alpha, gross beta and radium 228 analyses on water samples for a period of several years and worked with other radiochemists within EPA. These techniques utilized scintillation counters and gas flow proportional counters. Skill and familiarity with numerous GM tube-type survey meters; alpha specific survey meters.

Training, Specific

Radiation Safety Specialist Training Program, Oklahoma State University, Howard M. Johnson, Ph.D., Instructor (1 week training), completed October 23, 1981. (see attached certification)

Basic Radiation Hazard Control, 2 CEUs, International Institute of Safety and Health, Washington D.C., March 1-2, 1982.

Radiation Certification, Module 1, 4 hours, US EPA, March 2005.

Radiation Safety, US EPA Region 8, March 1999.

Additional radiation safety refresher courses, NEIC courses, less than one day each, various dates.

Advance Alpha Spectrometry, Canberra Industries, Inc., in conjunction with Florida State University, 1 week, March 25, 1994.

***Training Including Radiation-Specific Instruction**

Atmospheric Sampling, The Air Pollution Training Institute, Research Triangle Park, N.C. US EPA September 25, 1978.

Laboratory Safety and Health, United States Public Health Service, 24 hours, as per 29 CFR 1919.1450, Denver, Colorado, August 23-25, 1994.

Hazardous Materials Training and Testing DPT HM-126F/181 and IATA, EPA NEIC, September 10-11, 1996.

Counter-Terrorism Awareness, US EPA, 1 day, January 23, 1997.

Counter-Terrorist Training for Superfund OSCs, Domestic Terrorism Awareness and Preparedness, US EPA Office of Emergency Response, Denver, Colorado, April 14, 1997.

40-hour Hazardous Waste Site Worker Training (as per 29 CFR 1910.120), Urie Environmental Health, Inc., September 13, 1997.

Nuclear Biological Chemical Advanced Level A Training, EPA Office of Emergency and Remedial Response, March 10-12, 1998.

Hazardous Materials Emergency Response, Level III, 24 hours, Front Range Community College, completed June 26, 1998.

Completion of more than 30, eight-hour annual laboratory safety refresher courses, each containing a radiation safety module. (OSHA Regulation 29 CFR 1910.1450 of Subpart F) OSHA Training Institute and others.

Completion of more than 15, eight-hour annual field safety refresher courses, each containing a radiation safety module; e.g., Environmental Health and Safety for Hazardous Waste Site Operations (OSHA 29 CFR 1910.120), Update, Front Range Community College, Westminster, CO, May 9, 1996.

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* Courses were not devoted to the subject of radiation, but included instruction on radiation theory, detection and protection or applicable, related information.

Successful completion of the above training and examination has demonstrated that Richard C. Ross is competent to perform the following tasks which are expected of a Radiation Safety Specialist:

1) Use the Radiological Health Handbook and the Chart of the Nuclides.

2) Determine decay characteristics of a radionuclide from the Radiological Health Handbook and the Chart of the Nuclides.

3) Use standard calibration sources and perform DPM-Curie conversions.

4) Perform radioactive decay corrections.

5) Apply statistics to the counting of radioactive sample and express in correct form.

6) Use of the following instruments to perform area surveys and express reading in correct units:

   a) Geiger-Mueller survey meter
   b) Cutie Pie survey meter
   c) Neutron survey meter
   d) Alpha survey meter

7) Use of film badges, thermoluminescent dosimeters and pocket dosimeters for personnel dosimetry.

8) Calculate the dose rate from: (a) point gamma source, (b) point beta source, (c) point neutron source, and (d) point beta source producing bremsstrahlung.

9) Perform shielding calculations on gamma, X-rays, beta, bremsstrahlung, and neutrons to reduce the dose to an acceptable level.

10) Use time, distance and shielding as a protective measure.

11) Perform leak tests, wipe tests, and air samples, and determine if contamination is present and the amount.

12) Apply MPC values to a practical situation.

13) Establish a radiation safety unit within an organization utilizing:

   a) Restricted areas
   b) RSO
   c) Radiation safety committee
   d) Personnel monitoring
   e) Area surveys
   f) Leak tests
   g) Wipe tests
   h) Posting
   i) Pertinent records
   j) Radioactive storage disposal
   k) Receiving and shipping

12-10-81
DATE

Howard M. Johnson
HOWARD M. JOHNSON, Ph.D.
Associate Professor
School of Technology
Oklahoma State University