



June 7, 2011

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Mr. John Nicholson  
USNRC, Division of Nuclear Materials Safety  
Region 1  
475 Allendale Road  
King of Prussia, PA 19406

03037850

RECEIVED

**Subject: Amend License # 20-31340-01 - Appointment of New Radiation Safety Officer (RSO)**

Dear Mr. Nicholson:

As we discussed Wednesday June 1, 2011 Shaw Environmental & Infrastructure, Inc.'s license (# 20-31340-01), RSO has terminated employment and Mr. Mark O. Somerville, CHP, has been appointed as acting RSO for the license.

Attached for your review and approval (as the license RSO) is Mr. Somerville's training and experience that relates to the license.

If you need any additional information please do not hesitate to contact me or Mr. Somerville at the following

Mark O. Somerville, Ph.D., CHP, REA  
Director  
Environment, Safety, Health & Quality  
Shaw Environment & Infrastructure, Federal  
(805) 441-6747 Cell *(business)*  
[mark.somerville@shawgrp.com](mailto:mark.somerville@shawgrp.com)

Sincerely,

Claire Doherty  
Shaw Environmental & Infrastructure Group  
100 Technology Center Drive  
Stoughton, MA 02072-4705  
Cell: 617-840-3539 *(business)*  
Direct: 617-589-6750

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575393  
NMSS/RGN1 MATERIALS-002

## STATEMENT OF TRAINING AND EXPERIENCE

Mark O. Somerville  
Radiation Safety Officer

### Training

- a. Columbia Commonwealth University  
Jackson, WY  
Years completed: 6  
Degree: Ph.D.  
Course of Study: Environmental Radioactivity
- b. University of Pittsburgh, Radiation Physics (MS), Board Certification-American Board of Health Physics (CHP)

### Experience

From: 4/2007 to: 5/2011      Pacific Gas and Electric Co. – Diablo Canyon Power Plant  
Title:      Radiation Protection Manager  
Radioactive materials License number: DPR 80 / 82  
Address:      P.O. Box 56  
                    Avila Beach, CA 93424

From: 1/2000 to: 4/2007      Pacific Gas and Electric Co. – Diablo Canyon Power Plant  
Title:      Senior Health Physicist – Health Physics Programs  
Radioactive materials License number: DPR 80 / 82  
Address:      P.O. Box 56  
                    Avila Beach, CA 93424

From: 1/1997 to: 1/2000      Pacific Gas and Electric Co. – Diablo Canyon Power Plant  
Title:      Senior Health Physicist – NVLAP Technical Director  
Radioactive materials License number: DPR 80 / 82  
Address:      P.O. Box 56  
                    Avila Beach, CA 93424

From: 4/1990 to: 1/1997      Pacific Gas and Electric Co. – Diablo Canyon Power Plant  
Title:      Senior Health Physicist  
Radioactive materials License number: DPR 80 / 82  
Address:      P.O. Box 56  
                    Avila Beach, CA 93424

### Facilities and operations where training was received - PG&E Diablo Canyon

Laboratories using radiochemicals  
Restricted area laboratories  
Glove boxes  
Field operations  
Environmental applications  
Radioactive waste, emergency response

### Quantities Handled

Sealed sources:      1000 Curies  
Unsealed Alpha emitters:      100 Millicuries  
Unsealed beta-gamma emitters :      100 Curies  
Neutron sources:      300 Millicuries

As Radiation Protection Manager and prior to that role as technical programs supervisor, I managed and supervised all aspects of a complex, nuclear power health physics program. This includes selection and maintenance of instrumentation, dosimetry including processing, radioactive waste processing, characterization and transport, radioactive materials controls, dose reduction program, posting, regulatory interface, procedure generation, emergency response, and environmental radiological program.

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

6/7/2011, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 20-31340-01  
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

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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** 575393.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.