

Portable Gauge Checklist  
(Using NUREG-1556, Vol. 1, Rev. 1)

Mr. Morrison,

Please review the following items and attached checklist to help complete your NRC license renewal for Smith-Emery Company.

On the cover page of the original Renewal in Box 3 "Address where licensed material will be used or possessed," you stated **VARIOUS PROJECT SITES WITH STORAGE AT 1940 OAKDALE AVENUE, SAN FRANCISCO, CA 94124.**

The NRC does not have jurisdiction in California and cannot authorize the California address on the NRC license unless it's exclusive Federal jurisdiction.

Do you instead request authorization at temporary job sites anywhere the United States where the U.S. NRC maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States? Please indicate so below.

- Yes

- No

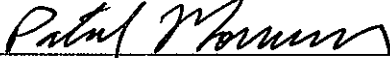
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After completing these forms, please print, sign, date, and then scan and attach to an email or fax to my attention at 817-200-1188. Thank you for your help.

Jason Razo, US NRC Region IV

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Name: Patrick Morrison, GeoServices Manager

Signature: 

Date: February 24, 2012

License: 04-19467-02

Docket: 030-20382

Control: 575913

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5.0 MATERIAL TO BE POSSESSED:

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
<b>X</b>		Cesium-137	Sealed source manufacturer or distributor and model number:  <u>CPN International, Inc., Model CPN-131</u>  Device manufacturer or distributor and model number:  <u>CPN MC Series</u>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate  <u>10 mCi per source 150 mCi total</u>	Yes [ X ]  Specific description of the gauge use:  <u>measuring physical properties of materials.</u>	[ X ] Not applicable _____ _____ [ ] Uses are: _____ _____ (Submit safety analysis supporting safe use)
<b>X</b>		Americium-241	Sealed source manufacturer or distributor and model number:  <u>CPN International, Inc., Model CPN-131</u>  Device manufacturer or distributor and model number: <u>CPN MC Series</u>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate  <u>50 mCi per source 750 mCi total</u>	Yes [ X ]  Specific description of the gauge use:  <u>measuring physical properties of materials</u>	[ X ] Not applicable _____ _____ [ ] Uses are: _____ _____ (Submit safety analysis supporting safe use)

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Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	<b>X</b>	Californium-252	Sealed source manufacturer or distributor and model number: _____ _____ Device manufacturer or distributor and model number: _____ _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____	<input type="checkbox"/> Not applicable _____ _____ <input type="checkbox"/> Uses are: _____ _____ (Submit safety analysis supporting safe use)
	<b>X</b>	Other Isotope (Specify)	Sealed source manufacturer or distributor and model number: _____ _____ Device manufacturer or distributor and model number: _____ _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____	<input type="checkbox"/> Not applicable _____ _____ <input type="checkbox"/> Uses are: _____ _____ _____ (Submit safety analysis supporting safe use)
	<b>X</b>	<i>Financial Assurance Required and Evidence of Financial Assurance Provided</i>				

**ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL**

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
<p><b>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE - RADIATION SAFETY OFFICER</b>            NAME: Patrick Morrison, RSO training certificate attached.</p>	<p>Before obtaining licensed materials, the proposed <b>RSO</b> will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<p>[ X ]</p>	<p>[ ]</p>
<p><b>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</b></p>	<p>Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<p>[ X ]</p>	<p>[ ]</p>
<p><b>9. FACILITIES AND EQUIPMENT</b></p>	<p>No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program- Public Dose" and "Radiation Safety Program - Operating and Emergency Procedures."</p>	<p><b>Separate Item 9 Response</b>  <b>Need Not Be Submitted With Application</b></p>	
<p><b>10. RADIATION SAFETY PROGRAM - AUDIT PROGRAM</b></p>	<p>The applicant is <i>not</i> required to, and should not, submit its audit program to the NRC for review during the licensing phase.</p>	<p><b>Need Not Be Submitted With Application</b></p>	
<p><b>10. RADIATION SAFETY PROGRAM - TERMINATION OF ACTIVITIES</b></p>	<p>The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires or at the time the licensee ceases operations, NRC Form 314 must be submitted.</p>	<p><b>Need Not Be Submitted With Application</b></p>	
<p><b>10. RADIATION SAFETY PROGRAM - SURVEY INSTRUMENTS</b></p>	<p>We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program - Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<p>[ X ]</p>	<p>[ ]</p>



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10. RADIATION SAFETY PROGRAM - LEAK TEST	Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.	[ X ]	[ ]
10. RADIATION SAFETY PROGRAM - MAINTENANCE	<p><i>Routine Cleaning and Lubrication</i></p> <p>We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p><i>Non-Routine Maintenance</i></p> <p>We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p>	<p>[ X ]</p> <p>[ X ]</p>	<p>[ ]</p> <p>[ ]</p> <p>The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.</p>
10. RADIATION SAFETY PROGRAM - TRANSPORTATION	The applicant is <i>not</i> required to submit its response to transportation section during the licensing process. However, this issue will be reviewed during inspection.	Need Not Be Submitted With Application	
11. WASTE MANAGEMENT - GAUGE DISPOSAL AND TRANSFER	The applicant is <i>not</i> required to submit a response to waste management section during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation safety program.	Need Not Be Submitted With Application	

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No 320

# Certificate of Completion

This is to certify that Patrick Morrison has completed the

CPN® Radiation Safety Officer Seminar for Nuclear Gauges,

held this 11th day of March 19 99 in the

City of Martinez State of CA by CPN International.

CPN International, Inc.  
2830 Howe Road  
Martinez, California 94553 USA  
Phone: (510) 228-9770  
Fax: (510) 228-3183

**CPN.**

*Douglas Carter*  
INSTRUCTOR  
*Douglas Carter*

RADIATION SAFETY OFFICER  
DOUGLAS CARTER



No 1733

# Certificate of Completion

This is to certify that Raymond Mazuk has completed the  
*CPN® Radiation Safety Officer Seminar for Nuclear Gauges,*  
held this 19<sup>th</sup> day of September 2002 in the  
City of Martinez State of CA by CPN International.

CPN International, Inc.  
2630 Howe Road  
Martinez, CA 94553 USA  
Phone: (925) 228-9770  
Fax: (925) 228-3183



*Douglas Carter*  
INSTRUCTOR  
*Douglas Carter*  
RADIATION SAFETY OFFICER

No 2683

# Certificate of Completion

This is to certify that George Hamm has completed the  
*CPN® Radiation Safety Officer Seminar for Nuclear Gauges,*  
held this 19<sup>th</sup> day of June 2008 in the  
City of Martinez State of CA by CPN International.

CPN International, Inc.  
2830 Howe Road  
Martinez, CA 94553 USA  
Phone: (925) 228-9770  
Fax: (925) 228-3183



*[Signature]*  
INSTRUCTOR  
*[Signature]*  
RADIATION SAFETY OFFICER