

PORTABLE GAUGE APPLICATION CHECKLIST

(USING NUREG 1556, VOL. 1, REV. 1 DATED 11/01)

Licensee/Applicant: Coffey Engineering & Surveying, LLC

Control Number: 471610

Docket Number: 030-37595

License Number: 49-29281-01

Date of Application: 12/19/07

REGULATORY PERFORMANCE

Review of last three inspections reveals no **major regulatory considerations**.

DATE	INSPECTOR	VIOLATIONS
■		
■		
■		

Major violations/repeat violations:

Reviewer and inspector concerns:

CONTENTS OF APPLICATION

ITEM 1 ACTION TYPE

(X) New () Renewal () Amendment

ADMINISTRATIVE REVIEW

- (x) Current Guidance Used
- (x) References in Application Based on Current Regulations
- (x) All Attachments Referenced Included
- (x) Signature on Application

ITEM 2 LEGAL IDENTITY

Name: Coffey Engineering & Surveying, LLC

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ITEMS 2 & 3 ADDRESS

Storage & Location of
 Use Address: 903 East Grand Ave., Laramie, WY 82070

Mailing Address: Same

(X) Temporary Job Sites

ITEM 4 PERSON TO BE CONTACTED ABOUT APPLICATION:

(x) Name: Pete Steinkraus

(X) Phone No.: 307-742-7425

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
X		Cesium-137	Sealed source manufacturer or distributor and model number: Troxler Dwg A-102112 Device manufacturer or distributor and model number: Troxler 3400 series	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate 9 mCi	Yes [x] Specific description of the gauge use: measurement of physical properties of materials _____ _____ _____ _____	[X] Not applicable [] Uses are: _____ (Submit safety analysis supporting safe use)
X		Americium-241	Sealed source manufacturer or distributor and model number: Troxler Dwg A-102451 Device manufacturer or distributor and model number: Troxler 3400 series	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate 44 mCi	Yes [x] Specific description of the gauge use: measurement of physical properties of materials _____ _____ _____ _____	[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
	X	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)
	X	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)
NA		<i>Financial Assurance Required and Evidence of Financial Assurance Provided</i>				

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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>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE - RADIATION SAFETY OFFICER</p> <p>NAME: Pete Steinkraus _____</p>	<p>Before obtaining licensed materials, the proposed RSO 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><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</p>	<p>Before using licensed materials, authorized users will have successfully completed on 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><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>9. FACILITIES AND EQUIPMENT</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>Separate Item 9 Response</p> <p>Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM - AUDIT PROGRAM</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>Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM - TERMINATION OF ACTIVITIES</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>Need Not Be Submitted With Application</p>	

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<p>10. RADIATION SAFETY PROGRAM - SURVEY INSTRUMENTS</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>Yes <input checked="" type="checkbox"/></p>	<p>Alternative Procedures Attached <input type="checkbox"/></p>
<p>10. RADIATION SAFETY PROGRAM - MATERIAL RECEIPT AND ACCOUNTABILITY</p>	<p>Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.</p>	<p>Yes <input checked="" type="checkbox"/></p>	<p>Alternative Procedures Attached <input type="checkbox"/></p>
<p>10. RADIATION SAFETY PROGRAM - OCCUPATIONAL DOSIMETRY</p>	<p>Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry processed and evaluated by a NVLAP-approved processor that is exchanged at a frequency recommended by the processor.</p>	<p>Yes <input checked="" type="checkbox"/></p>	<p>Alternative Procedures Attached <input type="checkbox"/></p>
<p>10. RADIATION SAFETY PROGRAM - PUBLIC DOSE</p>	<p>The applicant is <i>not</i> required to submit a response to public dose section during the licensing phase. This matter will be examined during an inspection.</p>	<p>Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM - OPERATING AND EMERGENCY PROCEDURES</p>	<p>We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.</p> <p style="text-align: center;">OR</p> <p>Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled "Radiation Safety Program - Operating and Emergency Procedures" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<p>YES <input checked="" type="checkbox"/></p>	<p>Alternative Procedures Attached <input type="checkbox"/></p>

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<p>10. RADIATION SAFETY PROGRAM - TRANSPORTATION</p>	<p>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.</p>	<p>Need Not Be Submitted With Application</p>
<p>11. WASTE MANAGEMENT - GAUGE DISPOSAL AND TRANSFER</p>	<p>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.</p>	<p>Need Not Be Submitted With Application</p>

 James L. Montgomery
 License Reviewer

Feb. 13, 2008
 Date