

2/4/16

To: Mr. Leo Wardrobe

From: Mark Gilliam - Superintendent SWVA Melting/Casting

Subject: SWVA, INC., Request for additional information concerning application for renewal of license – 47-16310-02, control no. 589847

Dear Mr. Wardrobe,

Please find attached the information that your agency has requested through communication with SWVA, RSO - Jason Rulen. If you have any further requirements please notify either me at: 304-696-8215/mgilliam@swvainc.com or Jason at: 304-696-8234/jrulen@swvainc.com.

Thank You,



Mark Gilliam

Steel of West Virginia

Superintendent Melting/Casting

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**APPENDIX B**

**SUGGESTED FORMAT FOR PROVIDING INFORMATION REQUESTED  
IN ITEMS 5 THROUGH 11 OF U.S. NUCLEAR REGULATORY  
COMMISSION FORM 313**

**Items 5 & 6: Materials to be Possessed and Proposed Uses**

Yes	No	Radionuclide	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Registration Certificate	Specify Other Uses Not Listed on SSD Registration Certificate
	✓	Cobalt-60	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Require maximum possession limits per source or device and include the total possession limit.	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)
	✓	Krypton-85	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Require maximum possession limits per source or device and include the total possession limit.	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)
	✓	Strontium-90	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Require maximum possession limits per source or device and include the total possession limit.	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)

Yes	No	Radionuclide	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Registration Certificate	Specify Other Uses Not Listed on SSD Registration Certificate
✓		Cesium-137	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Require maximum possession limits per source or device and include the total possession limit..	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: <u>Level Detectors</u>	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are:  (Submit safety analysis supporting safe use)
	✓	Americium-241	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Require maximum possession limits per source or device and include the total possession limit.	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)
	✓	Other Isotope (Specify):	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Require maximum possession limits per source or device and include the total possession limit.	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)
Is financial assurance required? If yes, submit evidence of financial assurance						

\* Five sources listed on Leak test Certificates (ATTACHED)

**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
7. Individual(s) Responsible For Radiation Safety Program and Their Training and Experience  7.1 Radiation safety officer  Name: <i>JASON RULEN</i>	Provide documentation of the proposed radiation safety officer's training and experience.	Submit applicable documentation.	
7. Individual(s) Responsible For Radiation Safety Program and Their Training and Experience  7.2 Authorized users	Before using licensed materials, authorized users will have successfully completed one of the training courses described in the "Criteria" part of the section entitled "Authorized Users" in the current version of NUREG-1556, Volume 4, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses."	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Training for Individuals Who in the Course of Employment are Likely to Receive Occupational Doses of Radiation in Excess of 1 mSv (100 mrem) in a Year (Occupationally Exposed Workers) and Ancillary Personnel	The applicant is <i>not</i> required to, and should not, submit its training program for individuals who in the course of employment are likely to receive occupational doses of radiation in excess of 1 mSv (100 mrem) in a year (occupationally exposed workers) and ancillary personnel to the NRC for review during the licensing phase.	Need not be submitted with application.	





Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
10. Radiation Safety Program – Leak Tests	<p>Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the SSD registration certificate. Leak tests will be performed by an organization authorized by the NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by the NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.</p> <p style="text-align: center;"><b>OR</b></p> <p>We will implement the model leak test program published in Appendix I of the current version of NUREG-1556, Volume 4, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses."</p>	<input checked="" type="checkbox"/>          <input type="checkbox"/>	<input type="checkbox"/>          <input type="checkbox"/>
10. Radiation Safety Program – Maintenance	<p><b>ROUTINE MAINTENANCE</b> We will implement and maintain procedures for routine maintenance of our fixed gauges according to each manufacturer's or distributor's written recommendations and instructions.</p> <p><b>NONROUTINE MAINTENANCE OPERATIONS</b> The gauge manufacturer, distributor, or other person authorized by the NRC or an Agreement State will perform nonroutine operations, such as installation, initial radiation survey, repair and maintenance of radiological safety components, relocation, replacement, alignment, removal from service, and disposal of sealed sources.</p>	<input checked="" type="checkbox"/>          <input checked="" type="checkbox"/>	<input type="checkbox"/>          <input type="checkbox"/> The information listed in Appendix J, "Information Needed to Support Applicant's Request to Perform Nonroutine Operations," is attached.
10. Radiation Safety Program – Transportation	The applicant is <i>not</i> required to submit its response about transportation during the licensing process. This issue will be reviewed during NRC inspections.	Need not be submitted with application.	







# RADIOMETRICS TECHNOLOGIES

1313 G Street, Lorain Ohio 44052  
Phone: (440) 245-9977

No: 2071715

## LEAK/WIPE TESTS CERTIFICATE

(PARTS A & B)

The leak test certificate includes a sampling certificate (Part A) and the laboratory measurement certificate (Part B).

**Customer:**

Steel of West Virginia  
1604 Commerce Avenue  
Huntington, WV 25703

**Contact Name:** Jason Rulen**Contact Phone:** 304-696-8234**Contact Email:** jrulen@swvainc.com**Organization:**

Radiometrics Technologies

**Wipe Test Taken By:**

Jason Rulen

**Date:** 07/14/15

## WIPED EQUIPMENT (PART A)

Wipe #	Make	Model	Device Serial Number	Activity	Isotope	Source Serial No.	Device Location
1	Ronan	SA1-F37	Strand Spare	300mCi	Cs-137	7279CN	Caster
2	Ronan	SA1-F37	Strand 1	300mCi	Cs-137	7272CN	Caster
3	Ronan	SA1-F37	Strand 2	300mCi	Cs-137	7275CN	Caster
4	Ronan	SA1-F37	Strand 3	300mCi	Cs-137	7278CN	Caster
5	Ronan	SA1-F37	Spare	300mCi	Cs-137	7276CN	Caster

## LABORATORY ANALYSIS RESULTS (PART B)

Ref	Source		Background Counts	Net Counts	Activity	Test Results
	Serial Number	Isotope				
1	7279CN	Cs-137	906	5	<.0001 µCi	PASS
2	7272CN	Cs-137	906	102	<.0001 µCi	PASS
3	7275CN	Cs-137	906	69	<.0001 µCi	PASS
4	7278CN	Cs-137	906	118	<.0001 µCi	PASS
5	7276CN	Cs-137	906	77	<.0001 µCi	PASS

Refers to the min. number of counts above background that have to be detected in order for the Net CPM value (above) to be considered significant at the 95% confidence level.

**Counting Equipment:**

CAPRAC-T 2" x 2" NaI S/N: 010308

**Measurement Date:**

07/17/15

**Ohio Materials License No. 03225480000****Certified by:** Jeff Balogh**Date:** 07/17/15**Signature:**

# Certificate of Training

Awarded To

*Jason Rulen*

Recognizing completion of 40 hours of specialized instruction in

## Radiation Safety Officer

**February 15, 2008**

Presented By

*Radiation Safety Academy*

A Division of Dade Moeller & Associates  
481 North Frederick Avenue, Suite 302  
Gaithersburg, Maryland 20877

AAHP has awarded this course 32 Continuing Education Credits, 2007-00-031

ABIH has awarded this course 4.5 CM Points, CM Approval # 08-262



Ray Johnson, MS, PE, FHPS, CHP  
Vice President, Training Programs

