

Chicopee

Springfield Coal Company

Fax

To: Andy Miller From: Paul Morris

Fax: 404-362-4955 Pages:

Phone: Date:

Ref: CC:

Urgent For Review Please Comment Please Reply Please Recycle



7060 Convoy Ct.
 San Diego, CA 92111
 Bus: 858-279-4000
 Fax: 858-279-4003

Industrial Radiology Specialists
 Operating division: NRSO
 State of CA Nuclear License 60033

www.sabiainc.com

PACKING LIST

Sold to: Ship to: SABIA, Inc
 2300 N. Yellowstone Hwy.
 Bay #3
 Idaho Falls, ID 83401

P.O. # Customer License # (if applicable).
 FTC contract # Date Shipped: 12/03/02 FOB
 Shipped VIA

Source Data: as of

Ser. #	Model #	Content	Output	Contamination/100 sq. cm. (per source)
24902	Kay Ray 7062BP	Cs-137	3.70 GBq	alpha < 9 x 10 (exp-6) μ beta/gamma < 45 x 10 (exp-6) μ
27268	Kay Ray 7063P	Cs-137	18.5 GBq	

Shipping Container: US-DOT 7A Type A
 Model # Ser # Wt. Seal # (FTC)

Radiation levels: gamma neutron total
 Surface: 1.64 nRem
 At one meter: 0.102 nRem (10)

Handwritten notes:
 11:01
 Followed

Instrument ser # Victoreen 450P SN: 857
 Rem Rad NP-2 SN: NP9771304

Contamination level: alpha < 9 x 10 (exp-6) micro curies/100 sq. cm
 beta/gamma < 45 x 10 (exp-6) micro curies/100 sq. cm

NOTICE: A radiation safety specialist should be present when this container is opened.

CERTIFICATIONS:

SPECIAL FORM A: At the time of shipment the sources in this shipment met the requirements for special form

LEAK TEST: The sources in this shipment have passed the helium bubble pressure leak test

The products covered by this document are certified to meet the requirements of the contract.

Field Engineer

Handwritten signature: J. C. Hoffman

Date 12-3-02



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Nuclear Source Leak Test Report

Company Name: Chicopee Coal Company, Inc		Customer's Instrument Model and S/N: Kay Ray 7062BIP S/N 24902
Address: P.O. Box 3112 Charleston, WV 25331		Date of Leak Test: 12/03/02
Site Contact: Paul Moran Phone Number 304-849-1104		NISCO Engineer Name: John Hegley Signature: <i>John R. Hegley</i>
List all instruments used to perform the leak test:		
<u>Instrument</u>	<u>Model</u>	<u>Serial Number</u>
SE International Radiation Alert	Inspector	08644
Reason for Leak Test: Commission <input type="checkbox"/> Decommission <input checked="" type="checkbox"/> Refurbishment <input type="checkbox"/> Periodic Wipe <input type="checkbox"/> Other <input type="checkbox"/>		

Test Results :

Sealed Source Serial Number Cs 137 24902	Source Activity Level milliCi 100	Smear Contamination Levels <0.005 uCi
Sealed Source Serial Number Cf252	Source Activity Level ugrams	Smear Contamination Levels
Sealed Source Serial Number Am241	Source Activity Level milliCi	Smear Contamination Levels

The Leak Test results documented by this report were obtained using a wipe (smear with a cloth patch) test in accordance with ANSI N5.10 - 1988 Appendix Section B2.1. A nuclear source such as the Cf252, Cs137 and Am241 isotopes tested herein are deemed acceptable by State and Federal authorities if the contamination found on a smear is less than 0.005 microcuries. Alpha, Beta, and Gamma contamination is measured in the Cf252 smear and Beta and Gamma in the Cs137



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Nuclear Source Leak Test Report

Company Name: Chicopee Coal Company, Inc		Customer's Instrument Model and SN Kay Ray 7063P S/N 27268	
Address: P.O. Box 3112 Charleston, WV 25331		Date of Leak Test : 12/03/02	
Site Contact: Paul Moran Phone Number 304-949-1104		NISCO Engineer Name: John Nagley Signature: <i>John W. Nagley</i>	
List all instruments used to perform the leak test:			
<u>Instrument</u>	<u>Model</u>	<u>Serial Number</u>	
SE International Radiation Alert	Inspector	08644	
Reason for Leak Test: Commission <input type="checkbox"/> Decommission <input checked="" type="checkbox"/> Refurbishment <input type="checkbox"/> Periodic Wipe <input type="checkbox"/> Other <input type="checkbox"/>			

Test Results :

Sealed Source: Serial Number Cs 137 27268	Source Activity Level milliCi 500	Smear Contamination Level: <0.005 dCi
Sealed Source: Serial Number Cf252	Source Activity Level ugrams	Smear Contamination Level:
Sealed Source: Serial Number Am241	Source Activity Level milliCi	Smear Contamination Level:

The Leak Test results documented by this report were obtained using a wipe (smeared with a cloth patch) test in accordance with ANSI N5.10 - 1988 Appendix Section B2.1. A nuclear source such as the Cf252, Cs137 and Am241 isotopes tested herein are deemed acceptable by State and Federal authorities if the contamination found on a smear is less than 0.005 microcuries. Alpha, Beta, and Gamma contamination is measured in the Cf252 smear and Beta and Gamma in the Cs137