Chicopee

Springfield Coal Company

Fax

To: Andy Miller

From: Paul Moran

Fax: 404-562-4955

Pages:

Phone:

Date:

Re:

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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

Industrial Radiology Specialists
Operating division: NISCO
State of CA Nuclear License 0663 3/
www.sabiainc.com

PACKING LIST

Sold to.

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

P.O. #
FTC contract #
Shipped VIA

Customer License # (if applicable).

Date Shipped: 12/03/02 FOB

Source Data: as of

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

Shipping Container: US-DOT 7A Type A

Model #	Ser #	Wt.	Seal # FTC

Radiation levels:

	gamma		neutron		total	
Surface:	1.64	+	N/A	=	1.64	mRem
At one meter:	0.102	+	N/A	=	0.102	mRem (TI)

TI: 0.1
Yellow II

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: 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: [signature] 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 304-949-1104	NISCO Engineer Name: John Hegley Signature:

List all instruments used to perform the leak test:

Instrument	Model	Serial Number
SE International Radiation Alert	Inspector	08644

Reason for Leak Test:
Commission ☐ Decommission X Refurbishment ☐ Periodic Wipe ☐
Other ☐

Test Results :

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

Sealed Source Serial Number Cf252	Source Activity Level µgrams	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 pad) test in accordance with ANSI N5.10 – 1968 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 Hagley Signature: [signature]

List all instruments used to perform the leak test:

Instrument	Model	Serial Number
SE International Radiation Alert	Inspector	08644

Reason for Leak Test:
Commission [ ] Decommission X Refurbishment [ ] Periodic Wipe [ ]
Other [ ] _____

Test Results :

Sealed Source Serial Number Cs 137	Source Activity Level milliCi	Smear Contamination Levels
27268	500	<0.005 uCi

Sealed Source Serial Number Cf252	Source Activity Level micrograms	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 – 1986 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