

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR420d152U

DATE: May 10, 1963

PAGE 1 OF 2

DEVICE TYPE: "C" Frame Beta Gauge

MODEL: SC-9C

MANUFACTURER/DISTRIBUTOR: LFE Corporation
1601 Trapelo Road
Waltham, MA 02154

MANUFACTURER/DISTRIBUTOR:

SEALED SOURCE MODEL DESIGNATION: LFE Model S-9

ISOTOPE: Ruthenium-106

MAXIMUM ACTIVITY: 20 millicuries

LEAK TEST FREQUENCY:

PRINCIPAL USE: Beta Gauges

CUSTOM DEVICE: ☐ YES ☒ NO

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DEVICE TYPE: "C" Frame Beta Gauge

DESCRIPTION:

This device is identical to the Tracerlab Model SC-1C beta gauge except that the sealed source contained therein is a Tracerlab Model S-9 which contains up to 20 mC of ruthenium-106.

LABELING:

Each gauge is equipped with a label which contains the isotope, quantity, date of measurement, radiation caution symbol and the words "Caution - Radioactive Material."

EXTERNAL RADIATION LEVELS:

Radiation profiles for the gauge are a maximum of 20 mr/hr at 12" from the gauge surface.

ISSUING AGENCY:

U.S. Atomic Energy Commission

William R. Prendergast
LFE Industrial Systems Corporation
55 Green Street
Clinton, MA 01510

Dear Mr. Prendergast:

This letter is in reference to your letter dated August 6, 1991, which requested that we transfer the registration certificates listed in column 1 of Enclosure 1 to inactive status. The certificates have been transferred to inactive status as you have requested. Please note that transfer of the registration certificates to inactive status means the sources or devices included on the certificates may no longer be commercially distributed.

The registration numbers for the certificates have been changed. Enclosure 1 specifies the old registration number, the new registration number, and the model numbers. Please note that some old certificates have been combined into one new inactive certificate. In addition, two registration certificates have been deleted from the system since they were duplicates of other certificates.

Please review the registration certificates (copies enclosed) in their entirety and notify us immediately if there are any errors or omissions.

If you have any questions, please call me at (301) 415-7868 or Mr. Steven Baggett at (301) 415-7273.

Sincerely,

13/

John W. Lubinski, Mechanical Engineer
Sealed Source Safety Section
Source Containment and
Devices Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
And Safeguards

Enclosures: As stated

cc: S. Kimberley, LFDCB

Distribution:

SCDB r/f SSD-91-86 NE01
SSD Files listed in column 1 of enclosure 1 of this letter

DOCUMENT NAME: C:\FILES\SSDS\LFE\LFE.CMP

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

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NAME	JLubinski/jl								
DATE	09/21/95								

OFFICIAL RECORD COPY

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ENCLOSURE 1

Old Reg. Number	New Reg. Number	Model Number(s)
NR-420-D-101-U	NR-420-D-801-S	Keleket-Barnes Rotary
NR-420-D-102-U	NR-420-D-802-S	Keleket-Barnes Shperay
NR-420-D-103-U	NR-420-D-803-S	Keleket-Barnes Ceiling Mounted Unit
NR-420-S-104-S	NR-420-S-804-S	S-10
NR-420-D-106-U	NR-420-D-805-S	Keleket-Barnes Flexaray
NR-420-S-107-U	NR-420-S-806-S	RXA, RXB, RXC, RXL, RXM, RXN
NR-420-D-108-U	NR-420-D-807-B	SCL-1D
NR-420-D-109-B	NR-420-D-808-B certificates were combined	BGL-7C BGL-7 BGL-1C
NR-420-D-110-G		
NR-420-D-111-B		
NR-420-D-112-B	NR-420-D-809-B	BGL-1
NR-420-D-113-B	NR-420-D-810-B certificates were combined	SO-7D, SO-7E SO-7A, SO-7B, SO-7C
NR-420-D-114-B		
NR-420-D-115-B	NR-420-D-811-B	SO-1A, SO-1B, SO-1C
NR-420-D-116-B	NR-420-D-812-B certificates were combined	SN-7D, SN-7E SN-7A, SN-7B, SN-7C
NR-420-D-117-B		
NR-420-D-118-B	NR-420-D-813-B	SN-1A, SN-1B, SN-1C, SN-1D, SN-1E, SN-1F
NR-420-D-119-B	NR-420-D-814-B	SC-7D, SC-7E
NR-420-D-120-B	NR-420-D-815-B	SC-7A, SC-7B, SC-7C
NR-420-D-121-B	NR-420-D-816-B	SC-1A, SC-1B, SC-1C, SC-1D, SC-1E, SC-1F
NR-420-D-122-B	NR-420-D-817-B	SN-P7B
NR-420-D-124-B	NR-420-D-818-B	SCL-1A and SCL-1B
NR-420-D-125-G	NR-420-D-819-B	SN-P7A4
NR-420-D-126-U	NR-420-D-820-B	HSB-76 and HSB-77
NR-420-D-127-G	NR-420-D-821-G	HSB-76A and HSB-77A

ENCLOSURE 1

Old Reg. Number	New Reg. Number	Model Number(s)
NR-420-D-128-G	NR-420-D-822-G	BGL-7A
NR-420-D-132-G	NR-420-D-823-G	SNF-18
NR-420-D-133-G	NR-420-D-824-G	SSL-3
NR-420-S-137-U	NR-420-S-826-S	R-30, R-31
NR-420-S-138-U	NR-420-S-827-S	CD-1
NR-420-D-139-U	NR-420-D-828-S	SC-11
NR-420-D-140-U	NR-420-D-829-B	DH-75
NR-420-S-141-U	NR-420-S-830-S	S-75
NR-420-D-142-U	NR-420-D-831-S	AX-4
NR-420-D-143-U	NR-420-D-832-S	BG-107
NR-420-D-144-U	NR-420-D-833-S	BG-105
NR-420-D-145-U	NR-420-D-834-S	BG-7
NR-420-D-146-U	NR-420-D-835-S	BG-5
NR-420-D-147-U	NR-420-D-836-S	BG-2/5
NR-420-D-151-B	deleted from system - same as old registration NR-420-D-117-B	
NR-420-D-152-U	NR-420-D-840-B	SC-9C
NR-420-S-154-U	NR-420-S-842-S	S-9
NR-420-S-155-U	NR-420-S-843-S	R-58, R-59
NR-420-S-156-U	NR-420-S-844-S	CS-15
NR-420-S-157-U	NR-420-S-845-S	CD-15
NR-420-S-158-U	deleted from system - same as old registration NR-420-S-156-U	
NR-420-D-159-U	NR-420-D-846-S	SC-11A
NR-420-D-160-U	NR-420-D-847-S	Clathrate Gas Detector
NR-420-S-163-U	NR-420-S-849-S	CD-11
NR-420-D-164-B	NR-420-D-850-B	SN-P1B



See 9/-26

LFE September 16, 1991

INDUSTRIAL
SYSTEMS
CORPORATION

A Mark IV Company

Mr. Steven Baggett
Mail Stop 6H3
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Baggett:

In my letter of August 6, 1991, I requested that a number of source and device registrations be changed to inactive status. I promised to send you an approximate population of inactive items.

I have found that many of the registrations applied to products not manufactured at LFE, product lines sold many years ago, to sources and devices not associated with radiation gauging, and sources and devices which were registered but never manufactured. For example, the Keleket-Barnes Teletherapy Units were not distributed from LFE, therefore, I have no population information. Also, Tracerlab manufactured many sources that were used as reference or calibration sources. This product line was sold in 1969 and, again, I have no population information. I will list each inactive registration with the information that I have available.

NR0420D101U	Keleket-Barnes. No information.
D102U	Keleket-Barnes. No information.
D103U	Keleket-Barnes. No information.
S104S	Approximately 14 distributed.
D106U	Keleket-Barnes. No information.
S107U	Tracerlab reference sources. Sold in 1969.
D108U	Approximately 33 distributed.
D109B	Approximately 58 distributed.
D110G	Approximately 4 distributed.
D111B	Approximately 47 distributed.
D112B	None distributed.
D113B	Approximately 4 distributed.
D114B	Approximately 8 distributed.
D115B	None distributed.
D116B	Approximately 6 distributed.
D117B	Approximately 130 distributed.
D118B	Approximately 19 distributed.
D119B	None distributed.

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D120B	Approximately 20 distributed.	
D121B	Approximately 4 distributed.	
D122B	Approximately 2 distributed.	
D124B	Approximately 221 distributed.	
D125G	Approximately 4 distributed.	
D126U	Approximately 26 distributed.	
D127G	None distributed.	
D128G	None distributed.	
D132G	None distributed.	
D133G	Approximately 17 distributed.	
D136G	Approximately 19 distributed.	
S137U	Tracerlab calibration source.	Sold in 1969.
S138U	Tracerlab radiography source.	Sold in 1969.
D139U	None distributed.	
D140U	Approximately 6 distributed.	
S141U	Approximately 6 distributed.	
D142U	Tracerlab calibrator.	Sold in 1969.
D143U	None distributed.	
D144U	None distributed.	
D145U	None distributed.	
D146U	None distributed.	
D147U	None distributed.	
S148U	Approximately 13 distributed.	
S149U	Approximately 29 distributed.	
S150U	Approximately 92 distributed.	
D151B	Same as NR0420D117B.	
D152U	Approximately 3 distributed.	
S153U	Approximately 96 distributed.	
S154U	None distributed.	
S155U	Tracerlab calibration source.	Sold in 1969.
S156U	Tracerlab source.	Sold in 1969.
S157U	Tracerlab source.	Sold in 1969.
S158U	Tracerlab source.	Sold in 1969.
D159U	None distributed.	
D160U	Tracerlab device.	Sold in 1969.
S162U	Approximately 108 distributed.	
S163U	Tracerlab source.	Sold in 1969.
D164B	Approximately 1 distributed.	

I trust that the information provided in this letter satisfies your requirements. If you have any questions or if I can provide any additional information, please contact me.

Very truly yours,
LFE Industrial Systems Corporation

William R. Prendergast

William R. Prendergast
Radiation Safety Officer