WM B. JOHNSON & ASSOCIATES INC.
PO BOX 472
RONCEVERTE, WV 24970

WM B. JOHNSON & ASSOCIATES INC.
200 AEI DRIVE
LEWISBURG, WV 24901

P.3
MS-16

Date: August 29, 2011

To: U.S. Nuclear Regulatory Commission

Re: Cancellation of NRC License 47-28665-03 03037295

Dear Sir:

Please accept this letter as WM B. Johnson & Associates Inc. request to cancel the NRC License # 47-28665-03.

License # 47-28665-03 is issued to: WM B. Johnson & Associates Inc.
P.O. Box 472
Ronceverte, WV 24970

WM B. Johnson & Associates Inc. contracted Qal-Tek Associates NRC license #11-27610-01 to remove and dispose of the licensed material and in our possession which was a 600 mCi Cesium 137 sealed source in a J.L. Shepherd Model 28-6 calibrator.
The cesium source was removed from the WM B. Johnson & Associates Inc. facilities on July 21, 2011 and is in the custody of:

Qal-Tek Associates
3998 Commerce circle
Idaho Falls, Idaho 83401

After removal of the Cesium source from our lab at 200 AEI drive, WM B. Johnson & Associates Inc. has no licensed radioactive material in their possession.

WM B. Johnson & Associates Inc. is in the process of going out of business. Johnson expects to close all operations no later than October 1, 2011.

If you have any questions please contact me at e-mail landfried.landfried@gmail.com telephone: 304-645-7899 or by mail.

Charles Landfried
105 Garden Ln
Lewisburg, WV 24901

Very best regards

Chad Landfried

Charles Landfried
Radiation Safety Officer
President
WM B. Johnson & Associates Inc.

375944
NMSS/RGN1 MATERIALS-002

JOHNSON

JOB REPAIR NUMBER

WMBJ-100 LEAK TEST WORKSHEET

DATE: 06-28-11 CUSTOMER: Wm B. Johnson

RADIOACTIVE MATERIAL: Cs -137 RADIOACTIVE MATERIAL SERIAL NUMBER: 67777

SEALED SOURCE [X] UNENCAPSULATED SOURCE [ ] ACTIVITY IN MILLICURIES: 600

TYPE WIPE: DRY [ ] WET [X]

PERFORM ALL WRITTEN CALCULATIONS ON BACK SIDE OF THIS FORM

BACKGROUND COUNTING CALCULATIONS

CPM (COUNTS PER MINUTE) = TOTAL COUNTS / MINUTES COUNTED AVERAGE CPM = #1 CPM + #2 CPM + #3 CPM / 3

#1 B/G 3 MIN. CT = 73 #2 B/G 3 MIN. CT = 80 #3 B/G 3 MIN. CT = _____

AVERAGE BACKGROUND CPM = 76.5 THIS AVERAGE BACKGROUND CAN BE USED FOR UP TO 60 MINUTES FROM THE TIME IT WAS DETERMINED. AFTER 60 MIN. DETERMINE NEW AVERAGE BACKGROUND

SYSTEM CALIBRATION DATA ON REAR OF THIS FORM

TEST DATA

#1 Sample count: 74 #2 Sample count: 78 #3 Sample count: 82

#4 Sample count: 81 #5 Sample count: _____ #6 Sample count: _____

SYSTEM MDC (SEE REAR OF THIS PAGE): 26.25 dpm

AVERAGE SAMPLE CPM: 26.25 - 25.5 AVERAGE B/G CPM = 0.75 NET SAMPLE CPM

IF NET SAMPLE CPM IS LESS THAN MDC -- SAMPLE IS CLEAN. IF NS CPM IS MORE THAN MDC SAMPLE IS CONTAMINATED. TO DETERMINE CONTAMINATION LEVEL:

(MDC dpm) X (NS CPM) = dpm on leak wipe test

TEST RESULTS: LEAK WIPE LESS THAN MDC [X]

LEAK WIPE MORE THAN MDC _____ dpm _____ µCi

PERSON COMPLETING LEAK TESTING: C. Landfried DATE: 06-28-11

C Landfried

SYSTEM CALIBRATION

Test Source µCi 0.11985 Date activity was determined: 3-18-2010 Test Source Isotope: Cs-137

Test source 4pi dpm: 263,670 2pi dpm: 131,835

Source dpm = source activity in micro curies X 2,200,000 = 4 pi dpm divide X 2 = 2 pi dpm

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#1 source 3 min ct: 17,032 #2 source 53min ct: 17,000 #3 source 3 min ct: _____

Average source cpm= 5672 Detector efficiency= 4.3 %

Detector sensitivity = Net CPM Test Source – Average B/G Cts = Net CPM Test Source

DS = 5672 - 25.5 = 5645.5 CPM $\frac{\text{Source dpm 2 pi}}{\text{Detector net CPM}}$ = 23.4 dpm/detector cpm

MDC (Minimum Detectable Concentration) 95% Confidence Level = Using Graphs on page 180 - 183 HEATH PHYSICS AND RADIOLOGICAL HEALTH HANDBOOK FOR CALCULATIONS

Calculate MDC (Minimum Detectable Concentration) to 95% confidence level -- Using Graphs on page 180 - 183 Of The HEALTH PHYSICS AND RADIOLOGICAL HEALTH HANDBOOK FOR CALCULATIONS.

$\frac{25.5 = N_b}{3 = t_b}$ = 8.5 $\frac{26.25 = N_s}{3 = t_s}$ = 8.75 GRAPH PAGE 180 = 8 CPM 95 % CONFIDIENCE LEVEL

MDC = 8 X 23.4 dpm = 187 $\frac{187 \text{ dpm}}{2{,}200{,}000 \text{ dpm/}}$ = .000085 µCi is the MDC for Johnson Counting System for ^{137}Cs

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CALCULATE SAMPLE CONTAMINATION

If difference between AVERAGE SAMPLE CPM AND SYSTEM MDC IS LESS THAN MDC SAMPLE IS CLEAN AND LESS THAN SYSTEM MDC.

IF difference between AVERAGE SAMPLE CPM AND SYSTEM MDC IS MORE THEN USE FOLLOWING:

AVERAGE SAMPLE CPM - B/G CPM X SYSTEM SENSITIVITY dpm = SAMPLE dpm

Qal-Tek Associates
3998 Commerce Circle Idaho Falls, Idaho 83401
(208) 523-5557 Fax (208) 524-8470
www.qaltek.com

Radioactive Source Disposal Transfer of Custody

1: CUSTOMER & LICENSE INFORMATION

Contact: Charles Landfried ATS# 2011:2859
Phone: 304-645-4447 Fax:
License #: 47-28665-03 Expiration Date:
Company: Wm B. Johnson Associates

2: GAUGE/DEVICE/LICENSED MATERIAL INFORMATION

ISOTOPE	Original ACTIVITY	Date	MODEL #	SERIAL #	Manufacturer
Tc-99	450 pCi	8/15/2003		962-72-86	Isotope Products
I-129	0.048 uCi	8/12/2003		85E12-27	
Ba-133	1.06 uCi	Apr-06		0418066	Spectrum Techniques
Ba-133	1.0 uCi	Aug-05		0805-1	Spectrum Techniques
Ba-133	1.0 uCi			A	The Nucleus
Cs-137	0.5 uCi	Dec-06		1206-2	Spectrum Techniques
Cs-137	5.0 uCi			0698-1	Oxford
Cs-137	5.0 uCi			0698-2	Oxford
Cs-137	1.19 uCi	6/17/2005		0605-1	Spectrum Techniques
Cs-137	0.5 uCi	Dec-06		1206-1	Spectrum Techniques
Co-57	1.06 uCi	8/9/2007		0809071	Spectrum Techniques
Ba-133	10.1 uCi	Aug-06		0821061	Spectrum Techniques
Ba-133	1.05 uCi	2/24/1994			Dupont
Co-57	7.5 uCi			0131081	Spectrum Techniques
Co-57	5.84 uCi	4/27/2005		0427052	Spectrum Techniques
Co-60	0.109 uCi	8/18/2006		0818062	Spectrum Techniques
Cl-36	0.0206 uCi	11/6/1989		1189-1	Dupont
C-14	0.153 uCi	5/2/1991		0591-1	Dupont
Sr-90	0.0212 uCi	4/22/1991		0491-1	Dupont
Pb-210	0.09 uCi	6/26/1998		123D05	Oxford
Cs-137	0.1 uCi	Mar-10		909-38	Spectrum Techniques
Co-60	1.0 uCi			0408-2	Oxford
Co-60	1.0 uCi			0498-1	Oxford
Co-60	0.984 uCi	Aug-06		0814061	Spectrum Techniques
Tl-204	10 uCi	Nov-97		1197-2	Oxford
Tl-204	1.0 uCi			0207-2	The Nucleus
Tl-204	10 uCi	Feb-07		0207-1	Spectrum Techniques
Tl-204	10 uCi	Nov-97		1197-1	Oxford
Cs-137	0.56 uCi			06170521	Spectrum Techniques
Cs-137	1.17 uCi			0617053	Spectrum Techniques
Cs-137	0.56 uCi			06170522	Spectrum Techniques
H-3	30 nCi	12-Sep-95		CC-135	Isotope Products
Po-210	0.1 uCi	Aug-06		0806-1	Spectrum Techniques
Po-210	0.1 uCi	Mar-08		0308-1	Spectrum Techniques

Po-210	0.1 uCi	Mar-08	0308-2	Spectrum Techniques
Cs-137	600 mCi	10/4/2006	28-6 10369	JL Shepard
Cs-137	1.0 uCi	Apr-11		Spectrum Techniques
	106 check sources			

Services Needed: ☑ Disposal ☑ Leak Test ☐ Other

3: AUTHORIZATION

Permanent custody of above listed Licensed Material is hereby granted to - Qal-Tek Associates, NRC License # 11-27610-01

Chad Goodfriend	8-20-2011		17 AUG 2011
Source Owner	Date	Qal-Tek Representative Received by ANTHONY BORLAND	Date

Check all that apply for shipping method

☐ Prepaid ☐ Bill to customer invoice Customer's FedEx Account#

☐ Motor Freight Carrier ☐ FedEx ☐ 1Day ☐ 2Day ☐ 3Day

☐ Motor Freight Account ☐ Customer drop off ☐ Qal-Tek Transportation

☐ Other (describe)

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