

April 30, 2019

Laura Sender
U.S. Nuclear Regulatory Commission
Materials Licensing Branch


Subject: CRD & Associates Inc. License Termination

Dear Mr. Laura Sender

Per your request and direction, we submit the following as cover letter to our response. Attached please find the request for additional information signed, our record of equipment inventory to 2019-2003 showing the sale of the Campbell Pacific Guages to City Design Group in August 2003, 1-Humboldt series 5001 sn #4451 to Interstate Testing in 2016 and our remaining two Humboldt series 5001 sn#4452 & sn #4459 to Cochran Engineering . Also included are related leak tests. These are the only devices ever possessed under this license . Thank you for your help in closing this out.

Should you have any questions or need any additional information please do not hesitate to contact us accordingly.

Sincerely,
CRD & Associates, Inc.


Carl W. Rapp, P.E.
President



CONVERSATION RECORD

NAME OF PERSON(S)/TITLE CONTACTED OR IN CONTACT WITH YOU Carl Rapp	DATE OF CONTACT 04/15/2019	TYPE OF CONVERSATION	
E-MAIL ADDRESS carlrapp@crdassoc.com	TELEPHONE NUMBER (314) 220-6090	<input type="checkbox"/> E-MAIL <input checked="" type="checkbox"/> TELEPHONE	<input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING

ORGANIZATION CRD & Associates, Inc.	DOCKET NUMBER(S) 030-35629
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LICENSE NAME AND NUMBER(S) CRD & Associates, Inc. 24-24559-02	MAIL CONTROL NUMBER(S) 611835
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SUBJECT

License Termination Request - Additional Information Required

SUMMARY AND ACTION REQUIRED (IF ANY)
 This record is in reference to the application dated April 8, 2019 requesting to terminate NRC License No. 24-24559-02 and the conversation between NRC license reviewer Laura Cender and Carl Rapp on April 15, 2019.

A review of our records indicates that additional gauges have been possessed throughout the course of your NRC license history that have not been accounted for with the provided application to terminate your license. Specifically, the NRC has records of the following four gauges that have been possessed under your License No. 24-24559-02 since it was originally issued:

- Humboldt Scientific Model 5001 SN4451
- Campbell Pacific MC3 SN M360603249
- Campbell Pacific MC3 SN M360603250
- Campbell Pacific MC3 SN M35096354

Per our discussion today, please provide a response accounting for these additional gauges, including leak test records and transfer or disposal records. Additionally, please provide a response confirming that these have been the only other devices ever possessed under this license.

Please submit your signed and dated response by no later than May 3, 2019 either to me directly as an attachment via email or to our regional office via fax at 630-515-1078.

NAME OF PERSON DOCUMENTING CONVERSATION
 Laura B. Cender

SIGNATURE <i>Laura B. Cender</i>	DATE OF SIGNATURE 4/15/2019
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RECEIVED & REPLIED [Signature] 4-19-2019

RECORD OF 6 MONTH EQUIPMENT INVENTORY

Licensee: CRD & Associates, Inc.
 10735 Lambert International Boulevard P.O.Box 10348/ Lambert Field
 St. Louis, Missouri 63145

License Number: 24-24559-02 Amendment No. 03
 Units in Inventory: Manufacturer - Humbolt Scientific Inc. Nuclear Moisture Density Gauge
 Unit 1 - Model 5001 Serial Number 4451
 Unit 2 - Model 5001 Serial Number 4452
 Unit 3 - Model 5001 Serial Number 4459

Date of Inventory (Not Later Than)	Initials of Individual Taking Inventory			Comments
	Unit 1	Unit 2	Unit 3	
Jan 31, 2011	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2011	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2012	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2012	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2013	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2013	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2014	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2014	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2015	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2015	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2016	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2016	Sold- Interstate Testing	<i>CRD</i>	<i>CRD</i>	NRC lic # 24- 35289-01
Jan 31, 2017	NA	<i>CRD</i>	<i>CRD</i>	
July 31, 2017	NA	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2018	NA	<i>CRD</i>	<i>CRD</i>	
July 31, 2018	NA	<i>CRD</i>	<i>CRD</i>	

RECORD OF 6 MONTH EQUIPMENT INVENTORY

Licensee: CRD & Associates, Inc.
 10805 Sunset Office Drive, Suite L110
 St. Louis, Missouri 63127

License Number: 24-24559-02
 Units in Inventory: Manufacturer - Humbolt Scientific Inc. Nuclear Moisture Density Gauge
 Unit 1 - Model 5001 Serial Number 4451
 Unit 2 - Model 5001 Serial Number 4452
 Unit 3 - Model 5001 Serial Number 4459

Date of Inventory (Not Later Than)	Initials of Individual Taking Inventory			Comments
	Unit 1	Unit 2	Unit 3	
Jan 31, 2004	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2004	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2005	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2005	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2006	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2006	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2007	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2007	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2008	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2008	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2009	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2009	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
Jan 31, 2010	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	
July 31, 2010	<i>CRD</i>	<i>CRD</i>	<i>CRD</i>	

R. M. WESTER and ASSOCIATES, INC

215 Indacom Drive
St. Peters, MO 63376
(636) 928-9628
www.rmwest.com

RADIOACTIVE SEALED SOURCE LEAK TEST REPORT

Test Date: April 6, 2018

Analytical Date: April 6, 2018

Source Identification:

Manufacturer: Humboldt

Model No.: 5001EZ

Mach S/N: 4452

Radionuclide: Cs-137

Activity: 10.0 mCi

Source S/N: 1641CM

Radionuclide: Am-241/Be

Activity: 40.0 mCi

Source S/N: NJ04749

Sample Submitted By: Aidyl Galafa-Colon

Facility: CRD & Associates

Address: P.O. Box 10348 Lambert Field

10735 Lambert Intl. Blvd.

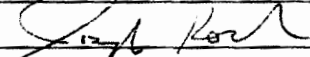
St. Louis, MO 63145

The identified sealed source listed above has been tested for leakage of radioactive materials as required by the United States Nuclear Regulatory Commission. The analysis of the wipe material used in testing the sealed source reveals the presence of $\leq 8.54 \times 10^{-5}$ μCi of loose contamination for Cs-137 and $\leq 8.23 \times 10^{-5}$ μCi of loose contamination for Am-241.

- (X) This source is acceptable for continued use.
- () This source has been found to have a level of loose contamination greater than 0.005 μCi of removable radioactive materials, and should be removed from service immediately.
- (N/A) Operational and performance check of shutter mechanism satisfactory.

Next Leak Test Date: October 6, 2018

Analysis By: Aidyl Galafa-Colon

Reviewed By: 

R. M. Wester and Associates, Inc.

UNITS: PCF

GAGE MODEL: H5001EZ SER: 4452

CALIB DATE: 04/05/18

CALIB BAY: 1

SOURCE TYPE: GAMMA NEUTRON

STD COUNT:

DENSITY: 2585

SERIAL: 1641CM NJ04749

MOISTURE: 480

** DENSITY CALIBRATION DATA **

DEPTH	MAGNESIUM 110.9	MAGN/ALUM 137.5	ALUMINUM 169.3	LIMESTONE 139.5	GRANITE 163.9
BS	1095.0	788.0	574.0	699.0	573.0
2	3863.0	2709.0	1819.0	2389.0	1809.0
4	3564.0	2270.0	1336.0	1911.0	1313.0
6	2919.0	1700.0	892.0	1384.0	877.0
8	2128.0	1144.0	555.0	914.0	544.0
10	1446.0	720.0	337.0	561.0	325.0
12	929.0	445.0	217.0	344.0	208.0

** DENSITY PERFORMANCE at 2000 kg/m³ [125 pcf] **

DEPTH	A	B	C	CR	PREC	CE	RMSE
BS	2.87714	0.02073	-0.12297	1.86	0.64	2.09	2.45
2	8.36890	0.01700	-0.16602	1.67	0.31	1.51	1.63
4	11.04791	0.01959	-0.04487	1.80	0.26	1.49	1.58
6	13.16084	0.02284	-0.01308	1.99	0.25	1.52	1.60
8	14.45127	0.02674	-0.02091	2.23	0.26	1.35	1.44
10	16.08158	0.03170	-0.03203	2.59	0.29	1.18	1.31
12	15.82990	0.03620	-0.03620	2.97	0.36	1.11	1.32

** MOISTURE CALIBRATION DATA **

LOW W HIGH W
 0.0 33.0

 18.0 320.0

** MOISTURE PERFORMANCE at 160 kg/m³ [10pcf] **

E	F	CR	PREC	RMSE
0.03631	0.01909	3.17	0.28	0.64

R. M. Wester and Associates, Inc.

UNITS: SI

GAGE MODEL: H5001EZ SER: 4452

CALIB DATE: 04/05/18

CALIB BAY: 1

SOURCE TYPE: GAMMA NEUTRON

STD COUNT:

DENSITY: 2585

SERIAL: 1641CM NJ04749

MOISTURE: 480

**** DENSITY CALIBRATION DATA ****

DEPTH	MAGNESIUM 1777	MAGN/ALUM 2203	ALUMINUM 2712	LIMESTONE 2235	GRANITE 2625
BS	1095.0	788.0	574.0	699.0	573.0
50	3863.0	2709.0	1819.0	2389.0	1809.0
100	3564.0	2270.0	1336.0	1911.0	1313.0
150	2919.0	1700.0	892.0	1384.0	877.0
200	2128.0	1144.0	555.0	914.0	544.0
250	1446.0	720.0	337.0	561.0	325.0
300	929.0	445.0	217.0	344.0	208.0

**** DENSITY PERFORMANCE at 2000 kg/m³ [125 pcf] ****

DEPTH	A	B*1000	C	CR	PREC	CE	RMSE
BS	2.87714	1.29401	-0.12297	1.86	10.2	33.55	39.26
50	8.36890	1.06146	-0.16602	1.67	4.98	24.16	26.13
100	11.04791	1.22322	-0.04487	1.80	4.19	23.89	25.31
150	13.16084	1.42615	-0.01308	1.99	3.97	24.34	25.60
200	14.45127	1.66923	-0.02091	2.23	4.17	21.56	23.12
250	16.08158	1.97898	-0.03203	2.59	4.68	18.86	21.05
300	15.82990	2.26000	-0.03620	2.97	5.72	17.71	21.09

**** MOISTURE CALIBRATION DATA ****

LOW W HIGH W
0.0 528.0

18.0 320.0

**** MOISTURE PERFORMANCE at 160 kg/m³ [10pcf] ****

E	F*1000	CR	PREC	RMSE
0.03631	1.19160	3.17	4.6	10.2

R. M. WESTER and ASSOCIATES, INC

215 Indacom Drive
St. Peters, MO 63376
(636) 928-9628
www.rmwester.com

RADIOACTIVE SEALED SOURCE LEAK TEST REPORT

Test Date: April 9, 2018

Analytical Date: April 9, 2018

Source Identification:

Manufacturer: Humboldt

Model No.: 5001EZ

Mach S/N: 4459

Radionuclide: Cs-137

Activity: 10.0 mCi

Source S/N: 1386CM

Radionuclide: Am-241/Be

Activity: 40.0 mCi

Source S/N: NJ04756

Sample Submitted By: Aidyl Galafa-Colon

Facility: CRD & Associates

Address: P.O. Box 10348 Lambert Field

10735 Lambert Intl. Blvd.

St. Louis, MO 63145

The identified sealed source listed above has been tested for leakage of radioactive materials as required by the United States Nuclear Regulatory Commission. The analysis of the wipe material used in testing the sealed source reveals the presence of $\leq 8.86 \times 10^{-5}$ μCi of loose contamination for Cs-137 and $\leq 8.77 \times 10^{-5}$ μCi of loose contamination for Am-241.

(X) This source is acceptable for continued use.

() This source has been found to have a level of loose contamination greater than 0.005 μCi of removable radioactive materials, and should be removed from service immediately.

(N/A) Operational and performance check of shutter mechanism satisfactory.

Next Leak Test Date: October 9, 2018

Analysis By: Aidyl Galafa-Colon

Reviewed By: 

R. M. Wester and Associates, Inc.

UNITS: PCF

CALIB DATE: 04/06/18

GAGE MODEL: H5001EZ SER: 4459

CALIB BAY: 1

SOURCE TYPE: GAMMA NEUTRON
SERIAL: 1386CM NJ04756

STD COUNT: DENSITY: 2862
MOISTURE: 482

**** DENSITY CALIBRATION DATA ****

DEPTH	MAGNESIUM 110.9	MAGN/ALUM 137.5	ALUMINUM 169.3	LIMESTONE 139.5	GRANITE 163.9
BS	1222.0	870.0	625.0	754.0	614.0
2	4361.0	3118.0	2032.0	2628.0	2015.0
3	4225.0	2917.0	1768.0	2410.0	1744.0
4	3994.0	2644.0	1503.0	2126.0	1477.0
5	3681.0	2311.0	1247.0	1851.0	1231.0
6	3291.0	1970.0	1004.0	1551.0	987.0
7	2857.0	1640.0	791.0	1269.0	780.0
8	2414.0	1338.0	620.0	1033.0	599.0
9	1994.0	1062.0	481.0	809.0	470.0
10	1632.0	843.0	377.0	638.0	368.0
11	1316.0	649.0	295.0	491.0	283.0
12	1053.0	511.0	237.0	390.0	223.0

**** DENSITY PERFORMANCE at 2000 kg/m³ [125 pcf] ****

DEPTH	A	B	C	CR	PREC	CE	RMSE
BS	2.99124	0.02100	-0.11628	1.88	0.59	2.14	2.45
2	6.40194	0.01239	0.17543	1.45	0.30	2.72	2.78
3	6.68501	0.01218	0.33808	1.44	0.28	2.54	2.60
4	7.33132	0.01367	0.30199	1.51	0.26	2.60	2.65
5	8.83024	0.01686	0.15664	1.66	0.25	2.31	2.36
6	9.85195	0.01917	0.10512	1.78	0.24	2.19	2.24
7	10.27901	0.02097	0.07935	1.88	0.24	2.21	2.26
8	10.29035	0.02269	0.05403	1.98	0.25	1.75	1.82
9	10.90172	0.02529	0.02008	2.14	0.26	1.91	1.98
10	10.91570	0.02738	0.00300	2.28	0.28	1.87	1.95
11	13.08006	0.03157	-0.02006	2.58	0.30	1.49	1.60
12	12.53285	0.03353	-0.02407	2.74	0.34	1.00	1.21

**** MOISTURE CALIBRATION DATA ****

LOW W	HIGH W
0.0	33.0
17.0	326.0

**** MOISTURE PERFORMANCE at 160 kg/m³ [10pcf] ****

E	F	CR	PREC	RMSE
0.03406	0.01945	3.22	0.28	0.63

R. M. Wester and Associates, Inc.

UNITS: SI

CALIB DATE: 04/06/18

GAGE MODEL: H5001EZ SER: 4459

CALIB BAY: 1

SOURCE TYPE: GAMMA NEUTRON
SERIAL: 1386CM NJ04756

STD COUNT: DENSITY: 2862
MOISTURE: 482

**** DENSITY CALIBRATION DATA ****

DEPTH	MAGNESIUM 1777	MAGN/ALUM 2203	ALUMINUM 2712	LIMESTONE 2235	GRANITE 2625
BS	1222.0	870.0	625.0	754.0	614.0
50	4361.0	3118.0	2032.0	2628.0	2015.0
75	4225.0	2917.0	1768.0	2410.0	1744.0
100	3994.0	2644.0	1503.0	2126.0	1477.0
125	3681.0	2311.0	1247.0	1851.0	1231.0
150	3291.0	1970.0	1004.0	1551.0	987.0
175	2857.0	1640.0	791.0	1269.0	780.0
200	2414.0	1338.0	620.0	1033.0	599.0
225	1994.0	1062.0	481.0	809.0	470.0
250	1632.0	843.0	377.0	638.0	368.0
275	1316.0	649.0	295.0	491.0	283.0
300	1053.0	511.0	237.0	390.0	223.0

**** DENSITY PERFORMANCE at 2000 kg/m³ [125 pcf] ****

DEPTH	A	B*1000	C	CR	PREC	CE	RMSE
BS	2.99124	1.31120	-0.11628	1.88	9.44	34.35	39.20
50	6.40194	0.77341	0.17543	1.45	4.81	43.55	44.60
75	6.68501	0.76013	0.33808	1.44	4.44	40.74	41.70
100	7.33132	0.85357	0.30199	1.51	4.16	41.65	42.47
125	8.83024	1.05271	0.15664	1.66	3.94	36.96	37.79
150	9.85195	1.19702	0.10512	1.78	3.85	35.00	35.84
175	10.27901	1.30916	0.07935	1.88	3.88	35.44	36.28
200	10.29035	1.41650	0.05403	1.98	4.02	27.96	29.10
225	10.90172	1.57890	0.02008	2.14	4.22	30.65	31.80
250	10.91570	1.70910	0.00300	2.28	4.52	29.88	31.22
275	13.08006	1.97102	-0.02006	2.58	4.85	23.79	25.69
300	12.53285	2.09307	-0.02407	2.74	5.39	16.03	19.32

**** MOISTURE CALIBRATION DATA ****

LOW W	HIGH W
0.0	528.0
17.0	326.0

**** MOISTURE PERFORMANCE at 160 kg/m³ [10pcf] ****

E	F*1000	CR	PREC	RMSE
0.03406	1.21416	3.22	4.5	10.0

Carl Rapp

From: Andy LaPlante <alaplante@interstatetesting.com>
Sent: Wednesday, April 27, 2016 8:10 AM
To: Carl Rapp
Subject: NRC Materials License Number

Carl,

Here is our Nuclear Materials License Number. Let me know when we can pick up the gauge from RM Wester. We will pay the bill for calibration when we pick it up.

License #: 24-35289-01
Expiration date: March 31, 2026
Docket Number: 030-38898

Let me know if you need anything else.

Andy LaPlante
Director of Operations



Cell: 314-486-2710
Office: 314-994-0641
Fax: 314-994-0687

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- LBC

R. M. WESTER and ASSOCIATES, INC

215 Indacom Drive
St. Peters, MO 63376
(636) 928-9628
www.rmwest.com

RADIOACTIVE SEALED SOURCE LEAK TEST REPORT

Test Date: May 10, 2016

Analytical Date: May 10, 2016

Source Identification:

Manufacturer: Humboldt

Model No.: 5001EZ

Mach S/N: 4451

Radionuclide: Cs-137

Activity: 10.0 mCi

Source S/N: 1621CM

Radionuclide: Am-241/Be

Activity: 40.0 mCi

Source S/N: NJ04748

Sample Submitted By: Aidyl Galafa-Colon

Facility: Interstate Testing Services

Address: 9713 Dielman Rock Island Dr.

St. Louis, MO 63132

The identified sealed source listed above has been tested for leakage of radioactive materials as required by the United States Nuclear Regulatory Commission. The analysis of the wipe material used in testing the sealed source reveals the presence of $\leq 8.57 \times 10^{-5}$ μ Ci of loose contamination for Cs-137 and $\leq 8.45 \times 10^{-5}$ μ Ci of loose contamination for Am-241.

- (X) This source is acceptable for continued use.
- () This source has been found to have a level of loose contamination greater than 0.005 μ Ci of removable radioactive materials, and should be removed from service immediately.
- (N/A) Operational and performance check of shutter mechanism satisfactory.

Next Leak Test Date: November 10, 2016

Analysis By: Aidyl Galafa-Colon

Reviewed By: K. M. Colon

325-706-8396 p. 3

Pacific Nuclear Technology Co.

2545 W 10th St Ste N
Antioch CA, 94509
(925) 706-8300
(925) 706-8396 FAX

REPORT OF LEAK TEST

CUSTOMER: CRD & ASSOC INC
10805 SUNSET OFFICE DR STE 415
ST LOUIS, MO 63127
CARL RAPP

MODEL NO: CPN MC3

SERIAL NO: M360603249

ISOTOPE: Cs-137 10 mCi
Am-241 50 mCi

DATE OF TEST: 4/15/2003

The sample identified above was submitted for leak test analysis.

DATE OF ANALYSIS: 7/23/2003 ANALYSIS NUMBER: 39754

RESULTS: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

SIGNED



Office of Radiation Safety
Calif RM Lic No 5634-07

Pacific Nuclear Technology Co.

2545 W 10th St Ste N
Antioch CA, 94509
(925) 706-8300
(925) 706-8396 FAX

REPORT OF LEAK TEST

CUSTOMER: CRD & ASSOC INC
10805 SUNSET OFFICE DR STE 416
ST LOUIS, MO 63127
CARL RAPP

MODEL NO: CPN MC3

SERIAL NO: M360603250

ISOTOPE: Cs-137 10 mCi
Am-241 50 mCi

DATE OF TEST: 4/15/2003

The sample identified above was submitted for leak test analysis.

DATE OF ANALYSIS: 7/23/2003 ANALYSIS NUMBER: 39755

RESULTS: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

SIGNED



Office of Radiation Safety
Calif RM Lic No 5634-07

Pacific Nuclear Technology Co.

2545 W 10th St Ste N
Antioch CA, 94509
(925) 706-8300
(925) 706-8396 FAX

REPORT OF LEAK TEST

CUSTOMER: CRD & ASSOC INC
10805 SUNSET OFFICE DR STE 415
ST LOUIS, MO 63127
CARL RAPP

MODEL NO: CPN MC3

SERIAL NO: M35096354

ISOTOPE: Cs-137 10 mCi
Am-241 50 mCi


DATE OF TEST: 4/15/2003

The sample identified above was submitted for leak test analysis.

DATE OF ANALYSIS: 7/23/2003 ANALYSIS NUMBER: 39753

RESULTS: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

SIGNED 
Office of Radiation Safety
Calif RM Lic No 5634-07

Cender, Laura

To: Carl Rapp
Subject: RE: RE: RE: CRD & Associates, Inc. NRC License Termination - Additional Information Requested

From: Carl Rapp [mailto:carlrapp@crdassoc.com]
Sent: Tuesday, April 30, 2019 10:29 AM
To: Cender, Laura <Laura.Cender@nrc.gov>
Cc: Mail <mail@crdassoc.com>
Subject: [External_Sender] RE: RE: CRD & Associates, Inc. NRC License Termination - Additional Information Requested

Laura Cender

Attached please find the cover letter requested for our CRD & Associates Inc. NRC License Termination. Thanks, Carl Rapp

From: Cender, Laura <Laura.Cender@nrc.gov>
Sent: Monday, April 29, 2019 10:56 AM
To: Carl Rapp <carlrapp@crdassoc.com>
Cc: Mail <mail@crdassoc.com>
Subject: RE: RE: CRD & Associates, Inc. NRC License Termination - Additional Information Requested

Hello Carl,

Please provide a cover letter to accompany the records that you submitted on Friday, April 19th. The text that you provided in the email below, is acceptable for the cover letter, but we require that all licensing submissions to the NRC be signed and dated.

Thank you,
Laura

Laura Cender
U.S. Nuclear Regulatory Commission
Materials Licensing Branch
E-mail: Laura.Cender@nrc.gov
Phone: (630) 829-9712

From: Carl Rapp [mailto:carlrapp@crdassoc.com]
Sent: Friday, April 19, 2019 12:14 PM
To: Cender, Laura <Laura.Cender@nrc.gov>
Cc: Mail <mail@crdassoc.com>
Subject: [External_Sender] RE: CRD & Associates, Inc. NRC License Termination - Additional Information Requested

Laura Cender

Attached please find the request for additional information signed, our record of equipment inventory to 2019-2003 showing the sale of the Campbell Pacific Guages to City Design Group in August 2003, 1-Humboldt series 5001 sn #4451 to Interstate Testing in 2016 and our remaining two Humboldt series 5001 sn #4452 & sn #4459 to Cochran Engineering. Also included are related leak tests. These are the only devices ever possessed under this license. Thank you for your help in closing this out. Carl Rapp

From: Cender, Laura <Laura.Cender@nrc.gov>

Sent: Monday, April 15, 2019 2:37 PM

To: Carl Rapp <carlrapp@crdassoc.com>

Subject: CRD & Associates, Inc. NRC License Termination - Additional Information Requested

Hello Mr. Rapp,

Thank you for taking time out of your day to discuss your pending NRC license termination request. As we discussed today, I have attached a copy of our conversation record detailing the additional decommissioning records required to complete your termination request.

Please provide your signed and dated response by no later than May 3, 2019. Please feel free to give me a call at 630-829-9712 or send me an email if you have any questions.

Thank you,
Laura Cender

Laura Cender
U.S. Nuclear Regulatory Commission
Materials Licensing Branch
E-mail: Laura.Cender@nrc.gov
Phone: (630) 829-9712