

September 16, 2014

U.S. Nuclear Regulatory Commission, Region III
Materials Licensing Branch
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: Amendment Request

LICENSEE: Centerpoint Medical Center of Independence, LLC
(d/b/a Centerpoint Medical Center)
NRC License No. 24-18655-01

To Whom It May Concern,

We wish to amend NRC License No. 24-18655-01 to remove the following address of use from our license:

Address: 19550 East 39th Street, **Suite 101**
Independence, Missouri 64057

Date of Decommissioning: 08/07/14 (Reported Enclosed)

Rooms Decommissioned: Nuclear Medicine Camera Room
Hot Lab

Discussion: All radioactive materials were removed to the hospital Nuclear Medicine department before decommissioning. No radioactive materials or sources were found during the decommissioning survey.

We respectfully request an expedient review of this amendment request. We will not release the rooms for other use until the NRC approves. If you have any questions regarding this amendment request, please feel free to contact us. The contact person is Linda Dunaway, Director of Imaging, Centerpoint Medical Center. Her telephone number is 816-698-7132. Thank you for your review of this amendment request.

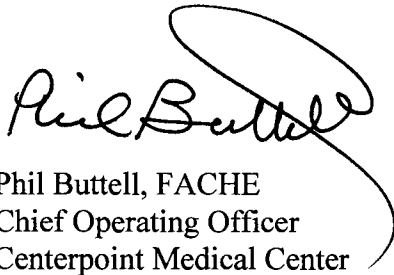
Sincerely,



Aaron M. Lewis, M.D.
Radiation Safety Officer
Centerpoint Medical Center

Imaging Services

RECEIVED SEP 23 2014



Phil Buttell, FACHE
Chief Operating Officer
Centerpoint Medical Center

Enclosures: Decommissioning Report 08/07/14

Imaging Services

**REPORT
DECOMMISSIONING OF NUCLEAR MEDICINE AREA**

Date: **08/07/14**

Location of Decommissioning: **Centerpoint Imaging Center
19550 East 39th Street, Suite 101
Independence, MO 64057**

Rooms Decommissioned: **MOB Camera Room and Hot Lab**

Management Representative: **Phil Butell, COO**

Radiation Safety Officer: **Aaron M. Lewis, MD**

Chair Radiation Safety Comm: **Linda Dunaway, Director of Imaging Services**

Nuclear Medicine Technologist: **Nick Bell, Gloria Neill, Carol Wales, Patricia Crawford**

RADIOACTIVE MATERIALS LICENSES

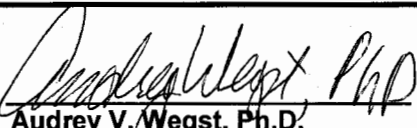
Nuclear Regulatory Commission
Region III

License Number: **24-18655-01**
Amendment Number: **60**
Expiration Date: **01/31/21**

DECOMMISSIONING RESULTS

- 1 All radioactive materials were removed to the hospital before decommissioning.
- 2 No radioactive materials or sources were found during the decommissioning survey.
- 3 The ambient exposure rate survey was acceptable.
- 4 The removable contamination survey was acceptable.

Medical Physics Consultant:


Audrey V. Wegst, Ph.D.
Diagnostic Technology Consultants, Inc.
5930 Roe Avenue
Mission, Kansas 66205

Date

8/18, 2014
(913) 236-6000
(913) 236-6655 FAX

Radiation Safety Officer:


Aaron M. Lewis, MD

Date

9/15/14

Licensee: Centerpoint Imaging Center
Address: 19550 East 39th Street, Suite 101
Independence, MO 64057

License Number: 24-18655-01
Expiration: 01/31/21

Decommission Data

08/07/14

Historical Use:

The area for decommissioning consists of a camera room and hotlab.

The radioactive materials used in the camera/imaging area consisted of radioisotopes used for imaging; primarily Technetium-99m and occasionally TI-201, Ga-67 and In-111

All radioactive waste from dose administration was stored in the hot lab for disposal according to policy.

Equipment and Device Removal:

The dose calibrator, I-shield and shielding materials were cleared from the hot lab. The camera, chair, computers and printers and some office supplies remained in the imaging room.

Wipe Survey Procedure:

Each wipe test sample was collected by wiping an alcohol pad on the surface over an area identified on the diagrams. The wipe sample was secured in the alcohol packet and appropriately identified with the location of the wipe. The wipe samples were then taken to the Diagnostic Technology Consultants, Inc. office for measurement. The wipe samples were placed into the well counter after all required quality control and test measurements were completed. The results of the wipe surveys were then entered into the spread sheet tables in cpm. The dpm was calculated based on the most recent quarterly efficiency testing.

Wipe Test Results Evaluation:

No Detectable Activity (NDA) means the wipe count was equal to or less than the Decision Limit $[BKG + 2.33 * SQRT (Bkg)]$

Area Survey Procedure:

The survey meter probe was passed in a sweeping motion over each area identified on the diagrams. The probe to surface distance was maintained at a minimum distance of less than 3.0 cm. The background level was established by taking a series of area survey readings in the hallway adjacent to the rooms being surveyed. The background survey readings were determined to be ≤ 1.0 mR/hr.

Area Survey Results and Trigger Level:

The action level was based on any area survey reading exceeding background levels.

Licensee: Centerpoint Imaging Center
Address: 19550 East 39th Street, Suite 101
Independence, MO 64057

License Number: 24-18655-01
Expiration: 01/31/21

Survey and Analysis Equipment Parameters

08/07/14

All Equipment used for surveyers are the property of Diagnostic Technology Consultants, Inc.

Well Counter

Manufacturer: Capintec
Model: Caprac-t
Serial Number: 10067

Standard Source Information

Source	Serial No.	Activity (uCi)	Calibration Date	Half-life (Days)	Decay Time (t) (Days)	A(t) (uCi)	A(t) (dpm)
Co-57	1639-11-2	1.03E-01	01/01/13	271.74	540	2.60E-02	5.77E+04
Ba-133	1036-32-2	1.06E-01	02/01/04	3836.15	3797	5.32E-02	1.18E+05
Co-60	NEN100S	1.21E-01	02/26/80	1925.28	12538	1.33E-03	2.95E+03
Cs-137	962-51-9	9.76E-02	03/01/04	10975.55	3768	7.69E-02	1.71E+05

Minimum Detectable Activity (MDA)

Source	Analysis Date	Source Count (5 min)	Bkg (5 min)	Efficiency	MDA (dpm)	MDA (uCi)
Co-57	06/25/14	265851	1425	0.916	89	3.99E-05
Ba-133	06/25/14	553501	1425	0.935	87	3.91E-05
Co-60	06/25/14	6743	1425	0.361	225	1.01E-04
Cs-137	06/25/14	259023	1425	0.302	269	1.21E-04

Licensee: Centerpoint Imaging Center
Address: 19550 East 39th Street, Suite 101
Independence, MO 64057

License Number: 24-18655-01
Expiration: 01/31/21

Survey Meter

Manufacturer: Ludlum
Model: 14C
Serial Number: 80111

Probe:

Manufacturer: Ludlum
Model: 44-9 (pancake)
Serial Number: 73930

Per standard operating procedures, constancy checks using a ^{137}Cs sealed source are conducted each day prior to using the equipment. To verify constancy, the measured activity must fall within 3% of the calculated standard activity.

Correction Factors as of June 30, 2012.

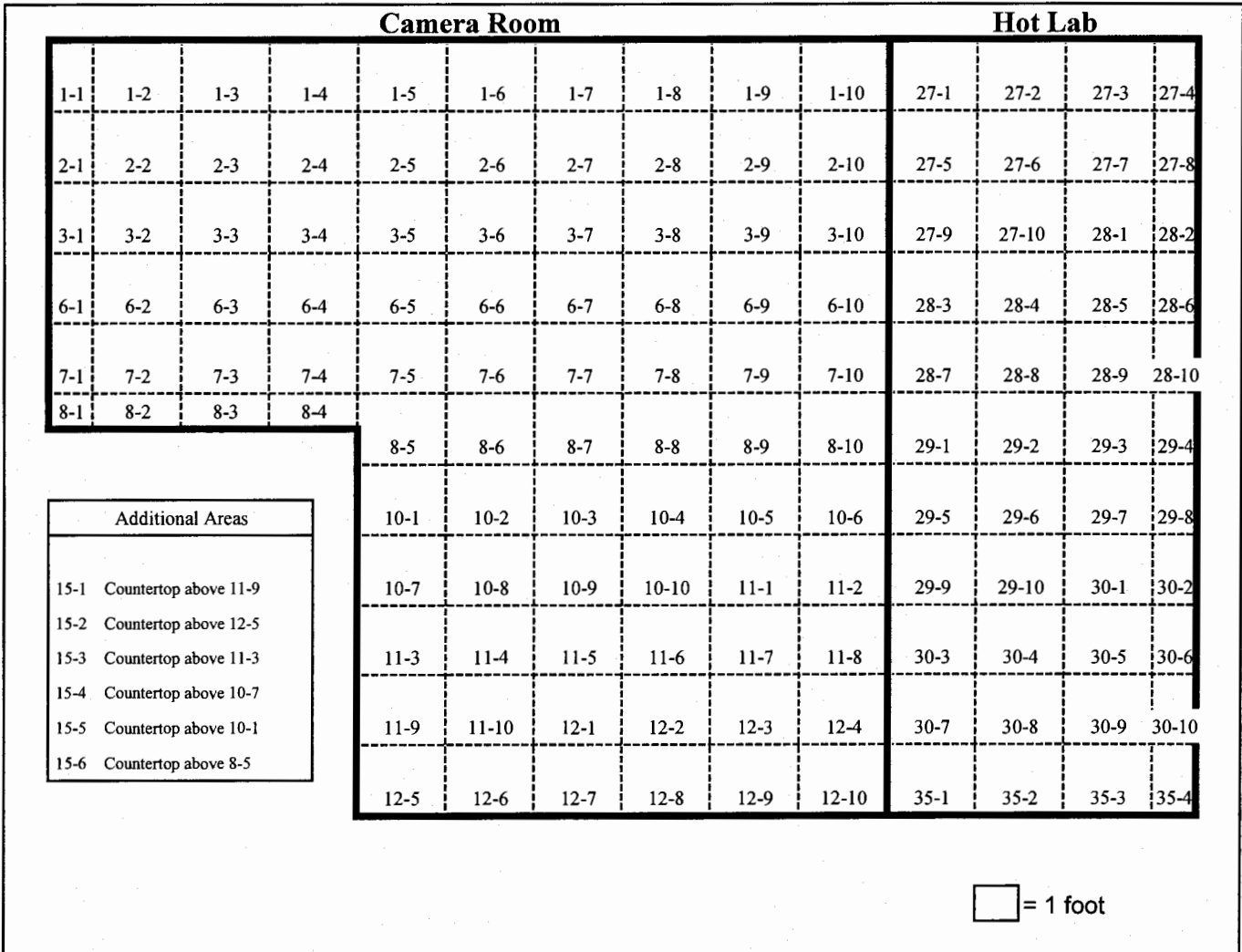
Scale Multiplier	Distance (cm)	Calculated mr/hr	Measured (mr/hr)	Correction Factor
1000	36.6	1500	1400	1.07
1000	63.4	500	520	0.96
100	115.8	150	135	1.11
100	200.6	50	55	0.91
10	259.6	15	15	1.00
10	315.2	5	5	1.00
1	123	1.5	1.5	1.00
1	213	0.5	0.5	1.00
0.1	118	0.15	0.15	1.00
0.1	204.3	0.05	0.05	1.00

Calibrated by Mid-America Calibrations, Inc. 808 SW Nautica Court, Lee's Summit, Missouri 64082, NRC License No. 24-32531-01, with a J.L. Shepherd Model 28-6a calibrator, serial #10018, 1.2 Ci Cs-137, 3M 4F6H, source serial #2824 or a Ludlum Model 500-2 Pulser, serial #127533. The output is traceable to the NBS (N.I.S.T.) and all instruments are calibrated in accordance with MIL-STD 45662A and ANSI N323-1978.

Licensee: Centerpoint Imaging Center
 Address: 19550 East 39th Street, Suite 101
 Independence, MO 64057

License Number: 24-18655-01
 Expiration: 01/31/21

Cardiology Associates Medical Group Area Diagram
 08/07/14



Licensee: Centerpoint Imaging Center
 Address: 19550 East 39th Street, Suite 101
 Independence, MO 64057

License Number: 24-18655-01
 Expiration: 01/31/21

RADIATION SURVEY - Page 1 of 2

08/07/14

SURVEY				Radiation Survey			Results	SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)		No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
Background				0.03	211		Background				0.03	211			
1-1	Cam Rm	Floor	Restricted	0.03	207	NDA	PASS	7-6	Cam Rm	Floor	Restricted	0.03	185	NDA	PASS
1-2	Cam Rm	Floor	Restricted	0.03	208	NDA	PASS	7-7	Cam Rm	Floor	Restricted	0.03	206	NDA	PASS
1-3	Cam Rm	Floor	Restricted	0.03	223	NDA	PASS	7-8	Cam Rm	Floor	Restricted	0.03	198	NDA	PASS
1-4	Cam Rm	Floor	Restricted	0.03	221	NDA	PASS	7-9	Cam Rm	Floor	Restricted	0.03	207	NDA	PASS
1-5	Cam Rm	Floor	Restricted	0.03	211	NDA	PASS	7-10	Cam Rm	Floor	Restricted	0.03	213	NDA	PASS
1-6	Cam Rm	Floor	Restricted	0.03	218	NDA	PASS	8-1	Cam Rm	Floor	Restricted	0.03	243	NDA	PASS
1-7	Cam Rm	Floor	Restricted	0.03	199	NDA	PASS	8-2	Cam Rm	Floor	Restricted	0.03	213	NDA	PASS
1-8	Cam Rm	Floor	Restricted	0.03	208	NDA	PASS	8-3	Cam Rm	Floor	Restricted	0.03	219	NDA	PASS
1-9	Cam Rm	Floor	Restricted	0.03	231	NDA	PASS	8-4	Cam Rm	Floor	Restricted	0.03	197	NDA	PASS
1-10	Cam Rm	Floor	Restricted	0.03	220	NDA	PASS	8-5	Cam Rm	Floor	Restricted	0.03	208	NDA	PASS
2-1	Cam Rm	Floor	Restricted	0.03	213	NDA	PASS	8-6	Cam Rm	Floor	Restricted	0.03	227	NDA	PASS
2-2	Cam Rm	Floor	Restricted	0.03	219	NDA	PASS	8-7	Cam Rm	Floor	Restricted	0.03	213	NDA	PASS
2-3	Cam Rm	Floor	Restricted	0.03	221	NDA	PASS	8-8	Cam Rm	Floor	Restricted	0.03	233	NDA	PASS
2-4	Cam Rm	Floor	Restricted	0.03	207	NDA	PASS	8-9	Cam Rm	Floor	Restricted	0.03	231	NDA	PASS
2-5	Cam Rm	Floor	Restricted	0.03	211	NDA	PASS	8-10	Cam Rm	Floor	Restricted	0.03	211	NDA	PASS
2-6	Cam Rm	Floor	Restricted	0.03	186	NDA	PASS	10-1	Cam Rm	Floor	Restricted	0.03	206	NDA	PASS
2-7	Cam Rm	Floor	Restricted	0.03	220	NDA	PASS	10-2	Cam Rm	Floor	Restricted	0.03	200	NDA	PASS
2-8	Cam Rm	Floor	Restricted	0.03	203	NDA	PASS	10-3	Cam Rm	Floor	Restricted	0.03	259	<Delta 1	PASS
2-9	Cam Rm	Floor	Restricted	0.03	220	NDA	PASS	10-4	Cam Rm	Floor	Restricted	0.03	220	NDA	PASS
2-10	Cam Rm	Floor	Restricted	0.03	197	NDA	PASS	10-5	Cam Rm	Floor	Restricted	0.03	231	NDA	PASS
3-1	Cam Rm	Floor	Restricted	0.03	197	NDA	PASS	10-6	Cam Rm	Floor	Restricted	0.03	204	NDA	PASS
3-2	Cam Rm	Floor	Restricted	0.03	251	<Delta 1	PASS	10-7	Cam Rm	Floor	Restricted	0.03	214	NDA	PASS
3-3	Cam Rm	Floor	Restricted	0.03	231	NDA	PASS	10-8	Cam Rm	Floor	Restricted	0.03	219	NDA	PASS
3-4	Cam Rm	Floor	Restricted	0.03	211	NDA	PASS	10-9	Cam Rm	Floor	Restricted	0.03	216	NDA	PASS
3-5	Cam Rm	Floor	Restricted	0.03	213	NDA	PASS	10-10	Cam Rm	Floor	Restricted	0.03	215	NDA	PASS
3-6	Cam Rm	Floor	Restricted	0.03	203	NDA	PASS	11-1	Cam Rm	Floor	Restricted	0.03	228	NDA	PASS
3-7	Cam Rm	Floor	Restricted	0.03	224	NDA	PASS	11-2	Cam Rm	Floor	Restricted	0.03	198	NDA	PASS
3-8	Cam Rm	Floor	Restricted	0.03	236	NDA	PASS	11-3	Cam Rm	Floor	Restricted	0.03	187	NDA	PASS
3-9	Cam Rm	Floor	Restricted	0.03	223	NDA	PASS	11-4	Cam Rm	Floor	Restricted	0.03	195	NDA	PASS
3-10	Cam Rm	Floor	Restricted	0.03	191	NDA	PASS	11-5	Cam Rm	Floor	Restricted	0.03	214	NDA	PASS
6-1	Cam Rm	Floor	Restricted	0.03	201	NDA	PASS	11-6	Cam Rm	Floor	Restricted	0.03	192	NDA	PASS
6-2	Cam Rm	Floor	Restricted	0.03	223	NDA	PASS	11-7	Cam Rm	Floor	Restricted	0.03	219	NDA	PASS
6-3	Cam Rm	Floor	Restricted	0.03	195	NDA	PASS	11-8	Cam Rm	Floor	Restricted	0.03	228	NDA	PASS
6-4	Cam Rm	Floor	Restricted	0.03	194	NDA	PASS	11-9	Cam Rm	Floor	Restricted	0.03	224	NDA	PASS
6-5	Cam Rm	Floor	Restricted	0.03	221	NDA	PASS	11-10	Cam Rm	Floor	Restricted	0.03	207	NDA	PASS
6-6	Cam Rm	Floor	Restricted	0.03	206	NDA	PASS	12-1	Cam Rm	Floor	Restricted	0.03	225	NDA	PASS
6-7	Cam Rm	Floor	Restricted	0.03	208	NDA	PASS	12-2	Cam Rm	Floor	Restricted	0.03	214	NDA	PASS
6-8	Cam Rm	Floor	Restricted	0.03	194	NDA	PASS	12-3	Cam Rm	Floor	Restricted	0.03	175	NDA	PASS
6-9	Cam Rm	Floor	Restricted	0.03	226	NDA	PASS	12-4	Cam Rm	Floor	Restricted	0.03	200	NDA	PASS
6-10	Cam Rm	Floor	Restricted	0.03	230	NDA	PASS	12-5	Cam Rm	Floor	Restricted	0.03	214	NDA	PASS
7-1	Cam Rm	Floor	Restricted	0.03	203	NDA	PASS	12-6	Cam Rm	Floor	Restricted	0.03	230	NDA	PASS
7-2	Cam Rm	Floor	Restricted	0.03	238	NDA	PASS	12-7	Cam Rm	Floor	Restricted	0.03	209	NDA	PASS
7-3	Cam Rm	Floor	Restricted	0.03	211	NDA	PASS	12-8	Cam Rm	Floor	Restricted	0.03	230	NDA	PASS
7-4	Cam Rm	Floor	Restricted	0.03	213	NDA	PASS	12-9	Cam Rm	Floor	Restricted	0.03	213	NDA	PASS
7-5	Cam Rm	Floor	Restricted	0.03	195	NDA	PASS	12-10	Cam Rm	Floor	Restricted	0.03	198	NDA	PASS

Survey Performed By:	J. Zhan, Ph.D; Greg Wegst	Background Count:	211
Survey Performed On:	08/07/14	Delta1 (net counts):	34
Wipe Test Samples Counted By:	Greg Wegst	Delta2 (net counts):	70
Wipe Test Samples Counted On:	08/08/14	Decision Limit (L _c):	245

Licensee: Centerpoint Imaging Center
 Address: 19550 East 39th Street, Suite 101
 Independence, MO 64057

License Number: 24-18655-01
 Expiration: 01/31/21

RADIATION SURVEY - Page 2 of 2
08/07/14

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
Background				0.03	211		
15-1	Cam Rm	Counter	Restricted	0.03	172	NDA	PASS
15-2	Cam Rm	Counter	Restricted	0.03	198	NDA	PASS
15-3	Cam Rm	Counter	Restricted	0.03	189	NDA	PASS
15-4	Cam Rm	Counter	Restricted	0.03	213	NDA	PASS
15-5	Cam Rm	Counter	Restricted	0.03	230	NDA	PASS
15-6	Cam Rm	Counter	Restricted	0.03	209	NDA	PASS
27-1	Hot Lab	Floor	Restricted	0.03	236	NDA	PASS
27-2	Hot Lab	Floor	Restricted	0.03	180	NDA	PASS
27-3	Hot Lab	Floor	Restricted	0.03	202	NDA	PASS
27-4	Hot Lab	Floor	Restricted	0.03	210	NDA	PASS
27-5	Hot Lab	Floor	Restricted	0.03	194	NDA	PASS
27-6	Hot Lab	Floor	Restricted	0.03	228	NDA	PASS
27-7	Hot Lab	Floor	Restricted	0.03	202	NDA	PASS
27-8	Hot Lab	Floor	Restricted	0.03	238	NDA	PASS
27-9	Hot Lab	Floor	Restricted	0.03	234	NDA	PASS
27-10	Hot Lab	Floor	Restricted	0.03	216	NDA	PASS
28-1	Hot Lab	Floor	Restricted	0.03	208	NDA	PASS
28-2	Hot Lab	Floor	Restricted	0.03	196	NDA	PASS
28-3	Hot Lab	Floor	Restricted	0.03	203	NDA	PASS
28-4	Hot Lab	Floor	Restricted	0.03	258	<Delta 1	PASS
28-5	Hot Lab	Floor	Restricted	0.03	204	NDA	PASS
28-6	Hot Lab	Counter	Restricted	0.03	214	NDA	PASS
28-7	Hot Lab	Floor	Restricted	0.03	242	NDA	PASS
28-8	Hot Lab	Floor	Restricted	0.03	218	NDA	PASS
28-9	Hot Lab	Floor	Restricted	0.03	270	<Delta 1	PASS
28-10	Hot Lab	Counter	Restricted	0.03	202	NDA	PASS
29-1	Hot Lab	Floor	Restricted	0.03	198	NDA	PASS
29-2	Hot Lab	Floor	Restricted	0.03	212	NDA	PASS
29-3	Hot Lab	Floor	Restricted	0.03	202	NDA	PASS
29-4	Hot Lab	Counter	Restricted	0.03	192	NDA	PASS
29-5	Hot Lab	Floor	Restricted	0.03	190	NDA	PASS
29-6	Hot Lab	Floor	Restricted	0.03	182	NDA	PASS
29-7	Hot Lab	Floor	Restricted	0.03	178	NDA	PASS
29-8	Hot Lab	Counter	Restricted	0.03	236	NDA	PASS
29-9	Hot Lab	Floor	Restricted	0.03	172	NDA	PASS
29-10	Hot Lab	Floor	Restricted	0.03	240	NDA	PASS
30-1	Hot Lab	Floor	Restricted	0.03	202	NDA	PASS
30-2	Hot Lab	Counter	Restricted	0.03	204	NDA	PASS
30-3	Hot Lab	Floor	Restricted	0.03	190	NDA	PASS
30-4	Hot Lab	Floor	Restricted	0.03	168	NDA	PASS
30-5	Hot Lab	Floor	Restricted	0.03	176	NDA	PASS
30-6	Hot Lab	Floor	Restricted	0.03	242	NDA	PASS
30-7	Hot Lab	Floor	Restricted	0.03	212	NDA	PASS
30-8	Hot Lab	Floor	Restricted	0.03	206	NDA	PASS
30-9	Hot Lab	Floor	Restricted	0.03	186	NDA	PASS

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
Background				0.03	211		
30-10	Hot Lab	Floor	Restricted	0.03	220	NDA	PASS
35-1	Hot Lab	Floor	Restricted	0.03	222	NDA	PASS
35-2	Hot Lab	Floor	Restricted	0.03	232	NDA	PASS
35-3	Hot Lab	Floor	Restricted	0.03	184	NDA	PASS
35-4	Hot Lab	Floor	Restricted	0.03	198	NDA	PASS

Survey Performed By: J. Zhan, Ph.D; Greg Wegst
 Survey Performed On: 08/07/14
 Wipe Test Samples Counted By: Greg Wegst
 Wipe Test Samples Counted On: 08/08/14

Background Count: 211
 Delta1 (net counts): 34
 Delta2 (net counts): 70
 Decision Limit (L_c): 245



Imaging Services
19600 E 39th St., Independence, MO 64057

RETURN SERVICE
REQUESTED

PRESORTED
FIRST CLASS



UNITED STATES POSTAGE
 EAGLE
FITNEY BOWES
02 1M \$ 01.05⁰
0004284154 SEP 19 2014
MAILED FROM ZIP CODE 64120

U.S. Nuclear Regulatory Commission. Region III
Materials Licensing Branch
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352