ACCEPTANCE REVIEW MEMO (ARM)

Licensee:	**Insight Diagnostic Imaging**	**License No.: 11-29290-01**	
Docket No.:	**030-37735**	**Mail Control No.: 472195**	
Type of Action:	**Amend**	**Date of Requested Action:**	**3/23/09**
Reviewer Assigned:		**ARM reviewer(s): Torres**	

Response	Deficiencies Noted During Acceptance Review
	[ ] Open ended possession limits. Submit inventory. Limit possession. [ ] Submit copies of latest leak test results. [ ] Add IC L.C./Fingerprint LC, add SUNSI markings to license. [ ] Confirm with licensee if they have NARM material.

Reviewer's Initials: _____ **Date:**

☐Yes ☐No Request for unrestricted release Group 2 or >. Consult with Bravo Branch.

☐Yes ☐No Termination request < 90 days from date of expiration

☐Yes ☐No Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)

☐Yes ☐No TAR needed to complete action.

Branch Chief's and/or HP's Initials: _____ **Date:**

SUNSI Screening according to RIS 2005-31

☐Yes ☑No **Sensitive and Non-Publicly Available** if <u>any</u> item below is checked

General guidance:

_____RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
_____Exact location of RAM [suite #, bldg. #, location different from mailing address] (whether = or > than Category 3 or not)
_____Design of structure and/or equipment (site specific)
_____Information on nearby facilities
_____Detailed design drawings and/or performance information
_____Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

_____RAM quantities and inventory
_____Manufacturer's name and model number of sealed sources & devices
_____Site drawings with exact location of RAM, description of facility
_____RAM security program information (locks, alarms, etc.)
_____Emergency Plan specifics (routes to/from RAM, response to security events)
_____Vulnerability/security assessment/accident-safety analysis/risk assess
_____Mailing lists related to security response

Branch Chief's and/or HP's Initials: RITC **Date:** 3-27-08

December 22, 2008

RECEIVED
MAR 23 2009
DNMS

Licensing Division
US Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-4005

Subj: Amendment of License Number 11-29290-01, Docket Number 030-37735

Dear Madam or Sir:

The purpose of this amendment request is to remove the Kellogg, Sand Point, and St. Maries locations of use from our license. These locations received recent closeout surveys. The survey results are attached to this correspondence.

Please contact me at (509) 457-4210 if you have any questions concerning this amendment request.

Sincerely,

Rhonda Denney, CNMT
Radiation Safety Officer

Attachments: Closeout surveys results and maps,
Survey meter calibration certificate

472195

INVOICE

Invoice Date: December 21, 2008
~~Invoice Number: 812192~~

Customer:

Insight Diagnostic Imaging
PO Box 758
Post Falls, ID 83877-0758
Attn: Accounts Payable

Remit to:
PACIFIC HEALTH PHYSICS, Inc.
14603 SE 173rd Street
Renton, WA 98058
(425) 228-2932

	Item	Terms: Net 30		Qty.	Price
Health Physics Services includes					
St. Maries, ID closeout survey sample analysis and report				1 each	$400.00
Kellogg, ID closeout survey sample analysis and report				1 each	$350.00
Sand Point, ID closout survey sample analysis and report				1 each	$312.50
Credit					($1,062.50)
		Total	>>>>>>>>>>>>		$0.00

*****Thank You For Your Business****

Insight Diagnostic Imaging

Closeout Survey – Nuclear Medicine Imaging Room and Treadmill Room
Sand Point, Idaho, Location of Use

1. List of isotopes, quantities, and dates of last use for radioactive materials used: Tc-99m, 10-40 mCi per dose for cardiac imaging. The last date of use for all radioactive materials was on or about September 10, 2008.

2. The physical form for Tc-99m is liquid.

3. History of major spills or possible spread of radiological contamination to inaccessible areas: No major spills or radiologic contamination.

4. Sealed source information: Sealed sources used for instrument calibration and quality control procedures were removed prior to performing the surveys. None of the sealed sources were leaking or had ever failed a leak test.

5. The closeout surveys were performed on November 18, 2008 with the results as follows:

a. Dose rate surveys were performed at several locations throughout the clinic. The survey results were obtained by holding the detector one meter above floors and other work surfaces, allowing the meter to stabilize, and noting the exposure rate. Representative background readings were obtained from a non-radioactive materials use area, (hallway outside the imaging room). Dose rate survey results did not locate any radiation above background readings, (0.02 mR/hour).

b. Scanning surveys were performed over 100% of work surfaces by moving the detector slowly back and forth at a speed of about one detector width per second and at a distance of less than 1 centimeter. Representative background readings were obtained from a non-radioactive materials use area, (hallway outside the room). Scanning survey results did not locate any radioactive contamination above background readings, (35 counts per minute).

c. Wipe surveys were taken from numbered locations on the survey maps. Removable activity levels were determined using moist alcohol wipes, approximately 2 x 2 cm. Moderate pressure was applied to the wiping material with two or three fingers during surface wipe sampling. Wipe sampling occurred as a repeated "S" pattern over the entire grid area. The wipe samples were then placed in counting vials with 7 ml of counting solution and identified with the numbered location or other pertinent information. One wipe sample for removable contamination was obtained from each measurement location. The counting system used is a Beckman 5800 LSC. The wipe sample analysis used three channels, (windows) – 0-18.6 kev, 0-156 kev, and 0-2000 kev. Please note the LSC assay printout indicates the window settings are 0-400, 0-670, and 0-1000. These settings are not in kev units but instead are specific voltage settings prescribed by the manufacturer to coincide with the above energy windows. Wipe survey results did not locate any radioactive contamination above background readings, (see attached data printout).

6. The instrument used to assay the wipe samples has an efficiency for 99mTc of about 50% per the manufacturer. The instrument MDA is calculated as 47 dpm or 2.12 e^{-5} uCi, using the Sorenson formula, (three times the square root of the background cpm divided by the instrument efficiency of 50%).

7. The survey meter used to perform the scanning and dose rate surveys is a Ludlum Model 14C attached to a Model 44-9 pancake detector. The survey meter was checked for constancy prior to and after the survey. The meter was within its calibration cycle; last calibrated on January 28, 2008.

8. Survey maps indicating the location of the above samples are attached to this report.

9. Decontamination of the room or any of the equipment within the room was unnecessary since the survey results did not identify any radioactive contamination.

Sand Point ID
Survey Results

USER: 7 ID:PHP PRESET TIME: 1.00 SAT 13 DEC 2008 08:47
SAMPLE REPEAT: 0 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
DATA CALC: CPM. UNKNOWN REPLICATES: 1 NORM FACTOR:Q 1.00000
HALF LIFE(DAYS):N

SAM	POS	TIME	CPM1	CPM2	CPM3	AVG H#	ERR
1	**- 1	1.00	13.00	19.00	41.00	72.0	
2	**- 2	1.00	19.00	8.00	38.00	82.0	
3	**- 3	1.00	18.00	19.00	50.00	82.0	
4	**- 4	1.00	11.00	7.00	21.00	71.0	
5	**- 5	1.00	11.00	6.00	28.00	83.0	
6	**- 6	1.00	17.00	18.00	46.00	99.0	
7	**- 7	1.00	21.00	9.00	35.00	61.0	
8	**- 8	1.00	20.00	13.00	38.00	71.0	
9	**- 9	1.00	10.00	9.00	24.00	75.0	
10	**-10	1.00	14.00	10.00	29.00	81.0	
11	**-11	1.00	12.00	13.00	30.00	80.0	
12	**-12	1.00	13.00	9.00	32.00	107.0	
13	**-13	1.00	18.00	5.00	31.00	155.0	
14	**-14	1.00	14.00	10.00	31.00	113.0	
15	**-15	1.00	19.00	10.00	36.00	77.0	
16	**-16	1.00	13.00	14.00	32.00	88.0	
17	**-17	1.00	16.00	12.00	39.00	86.0	
18	**-18	1.00	7.00	11.00	24.00	94.0	
19	**- 1	1.00	6.00	10.00	17.00	125.0	
20	**- 2	1.00	23.00	6.00	33.00	81.0	
21	**- 3	1.00	15.00	10.00	30.00	61.0	
22	**- 4	1.00	15.00	14.00	35.00	74.0	
23	**- 5	1.00	15.00	8.00	30.00	77.0	
24	**- 6	1.00	24.00	15.00	46.00	62.0	
25	**- 7	1.00	10.00	9.00	23.00	102.0	
26	**- 8	1.00	17.00	6.00	30.00	113.0	
27	**- 9	1.00	13.00	12.00	30.00	78.0	
28	**-10	1.00	13.00	10.00	31.00	82.0	
29	**-11	1.00	19.00	13.00	38.00	61.0	
30	**-12	1.00	11.00	9.00	26.00	123.0	
[illegible]	**-13	1.00	13.00	11.00	32.00	81.0	
[illegible]	[illegible]	[illegible]	[illegible]	10.00	36.00	69.0	

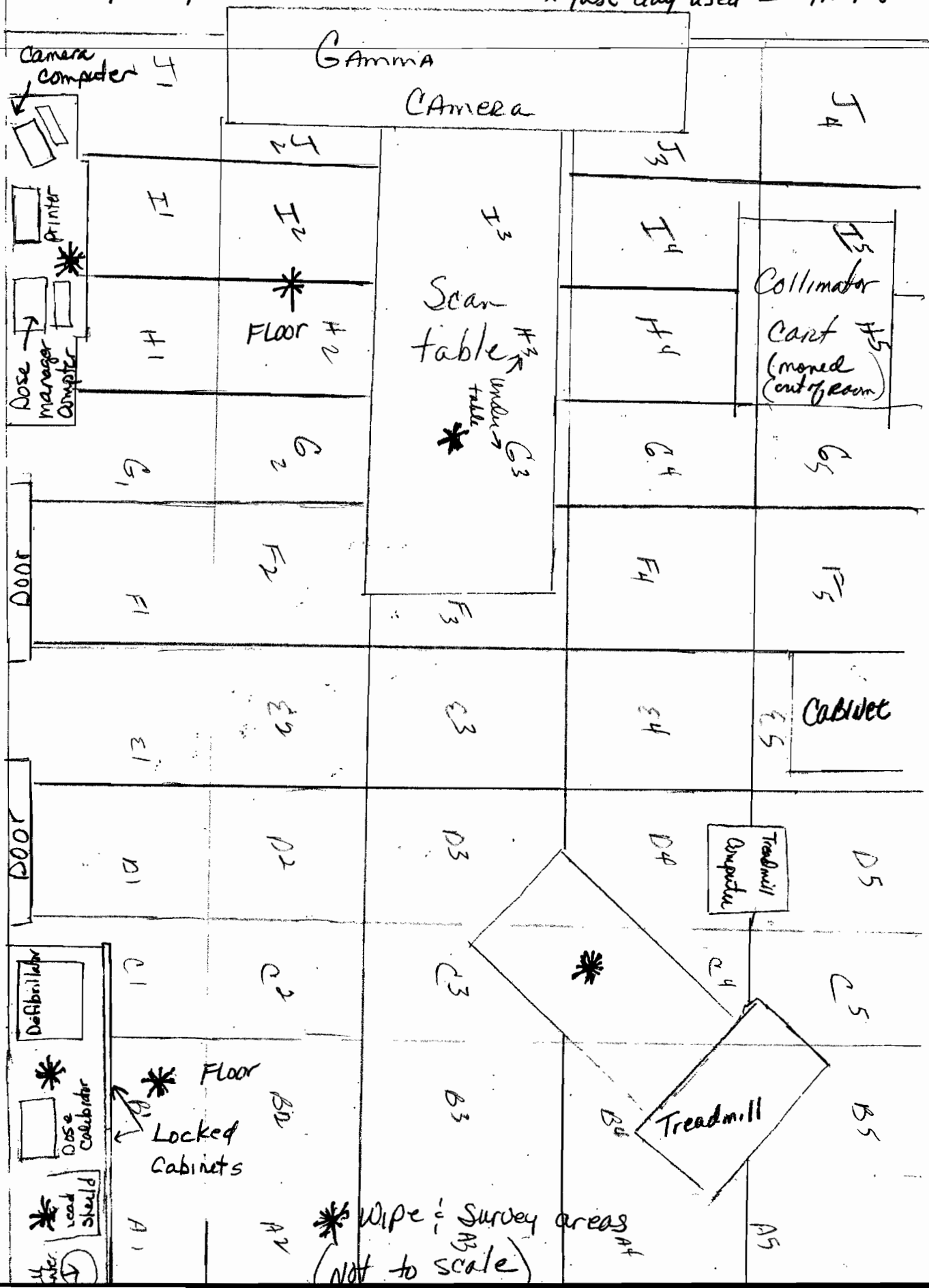
34	**-16	1.00	12.00	11.00	31.00	59.0
35	**-17	1.00	17.00	10.00	33.00	83.0
36	**-18	1.00	22.00	11.00	43.00	66.0
37	**- 1	1.00	14.00	10.00	35.00	79.0
38	**- 2	1.00	12.00	15.00	35.00	68.0
39	**- 3	1.00	14.00	15.00	39.00	52.0
40	**- 4	1.00	10.00	11.00	25.00	83.0
41	**- 5	1.00	15.00	10.00	31.00	52.0
42	**- 6	1.00	13.00	11.00	30.00	62.0
43	**- 7	1.00	13.00	8.00	29.00	70.0
44	**- 8	1.00	22.00	8.00	38.00	78.0

SAM	POS	TIME	CPM1	CPM2	CPM3	AVG H#	ERR
45	**- 9	1.00	9.00	10.00	24.00	65.0	
46	**-10	1.00	14.00	12.00	37.00	61.0	
47	**-11	1.00	15.00	6.00	28.00	62.0	
48	**-12	1.00	13.00	7.00	24.00	61.0	
49	**-13	1.00	18.00	8.00	41.00	61.0	
50	**-14	1.00	14.00	10.00	31.00	68.0	
51	**-15	1.00	25.00	6.00	39.00	87.0	
52	**-16	1.00	16.00	13.00	38.00	68.0	
53	**-17	1.00	8.00	11.00	23.00	93.0	
54	**-18	1.00	4.00	16.00	30.00	61.0	
55	**- 1	1.00	12.00	11.00	33.00	81.0	
56	**- 2	1.00	11.00	7.00	26.00	53.0	
57	**- 3	1.00	16.00	11.00	38.00	76.0	
58	**- 4	1.00	22.00	12.00	46.00	80.0	
59	**- 5	1.00	13.00	16.00	34.00	49.0	
60	**- 6	1.00	17.00	11.00	32.00	65.0	
61	**- 7	1.00	13.00	11.00	32.00	70.0	
62	**- 8	1.00	19.00	13.00	45.00	65.0	
63	**- 9	1.00	7.00	7.00	20.00	49.0	
64	**-10	1.00	10.00	10.00	26.00	57.0	
65	**-11	1.00	14.00	12.00	34.00	93.0	
67	**-13	1.00	14.00	7.00	29.00	75.0	
73	**- 1	1.00	133682.00	7950.00	141337.00	-25.0	3H std
74	**- 2	1.00	17512.00	100660.00	122404.00	-24.0	14C std
75	**- 3	1.00	22.00	13.00	62.00	-26.0	Bkg std

Survey date
11/18/08

Sandpoint Office
1309 Ponderosa Loop
Sandpoint, Idaho

* Ludlum 14C Pancake survey meter cal 1/28/08
* Tc^{99m} Isotope - only
* last day used - 09/10/08



INSIGHT DIAGNOSTIC IMAGING

Kellogg, ID

USER: 7 ID:PHP PRESET TIME: 1.00 THU 06 NOV 2008 16:29
SAMPLE REPEAT: 0 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
DATA CALC: CPM. UNKNOWN REPLICATES: 1 NORM FACTOR:0 1.00000
HALF LIFE(DAYS):N

SAM	POS	TIME	CPM1	CPM2	CPM3	AVG H#	ERR
1	**- 1	1.00	18.00	7.00	29.00	55.0	
2	**- 2	1.00	14.00	8.00	31.00	53.0	
3	**- 3	1.00	11.00	11.00	31.00	58.0	
4	**- 4	1.00	13.00	8.00	33.00	56.0	
5	**- 5	1.00	15.00	4.00	27.00	46.0	
6	**- 6	1.00	13.00	8.00	32.00	50.0	
7	**- 7	1.00	9.00	6.00	30.00	53.0	
8	**- 8	1.00	8.00	10.00	24.00	67.0	
9	**- 9	1.00	8.00	8.00	30.00	54.0	
10	**-10	1.00	12.00	7.00	29.00	54.0	
11	**-11	1.00	16.00	12.00	34.00	62.0	
12	**-12	1.00	20.00	3.00	29.00	54.0	
13	**-13	1.00	17.00	13.00	39.00	64.0	
14	**-14	1.00	7.00	5.00	15.00	58.0	
15	**-15	1.00	11.00	14.00	31.00	114.0	
16	**-16	1.00	15.00	9.00	35.00	63.0	
17	**-17	1.00	21.00	12.00	43.00	55.0	
18	**-18	1.00	21.00	6.00	33.00	61.0	
19	**- 1	1.00	13.00	10.00	36.00	43.0	
20	**- 2	1.00	12.00	5.00	28.00	51.0	
21	**- 3	1.00	10.00	8.00	31.00	111.0	
22	**- 4	1.00	8.00	8.00	27.00	70.0	
23	**- 5	1.00	12.00	6.00	28.00	135.0	
24	**- 6	1.00	11.00	6.00	23.00	88.0	
25	**- 7	1.00	22.00	13.00	45.00	68.0	
26	**- 8	1.00	9.00	4.00	23.00	56.0	
27	**- 9	1.00	14.00	10.00	32.00	75.0	
28	**-10	1.00	13.00	2.00	25.00	57.0	
29	**-11	1.00	19.00	9.00	38.00	61.0	
30	**-12	1.00	14.00	14.00	37.00	103.0	
31	**-13	1.00	8.00	7.00	22.00	57.0	
32	**-14	1.00	7.00	6.00	23.00	61.0	
33	**-15	1.00	9.00	5.00	22.00	48.0	
34	**-16	1.00	13.00	4.00	26.00	81.0	
35	**-17	1.00	9.00	8.00	29.00	58.0	

37	**- 1	1.00	17.00	8.00	30.00	73.0
38	**- 2	1.00	14.00	13.00	36.00	68.0
39	**- 3	1.00	11.00	6.00	29.00	51.0
40	**- 4	1.00	14.00	9.00	29.00	66.0
41	**- 5	1.00	17.00	7.00	29.00	53.0
42	**- 6	1.00	20.00	6.00	34.00	76.0
43	**- 7	1.00	15.00	6.00	38.00	51.0
44	**- 8	1.00	19.00	6.00	36.00	58.0

SAM	POS	TIME	CPM1	CPM2	CPM3	AVG H#	ERR
45	**- 9	1.00	19.00	12.00	35.00	67.0	
46	**-10	1.00	11.00	8.00	24.00	81.0	
47	**-11	1.00	13.00	7.00	34.00	64.0	
48	**-12	1.00	13.00	13.00	36.00	51.0	
49	**-13	1.00	11.00	3.00	18.00	63.0	
50	**-14	1.00	7.00	13.00	27.00	66.0	
51	**-15	1.00	12.00	5.00	23.00	55.0	
52	**-16	1.00	7.00	7.00	18.00	58.0	
53	**-17	1.00	14.00	6.00	31.00	81.0	
54	**-18	1.00	10.00	11.00	41.00	70.0	
55	**- 1	1.00	21.00	7.00	32.00	73.0	
56	**- 2	1.00	17.00	12.00	33.00	64.0	
57	**- 3	1.00	11.00	9.00	29.00	68.0	
58	**- 4	1.00	16.00	14.00	38.00	76.0	
59	**- 5	1.00	16.00	20.00	44.00	65.0	
60	**- 6	1.00	16.00	8.00	31.00	51.0	
61	**- 7	1.00	15.00	6.00	23.00	71.0	
62	**- 8	1.00	11.00	6.00	21.00	67.0	
63	**- 9	1.00	12.00	9.00	25.00	61.0	
64	**-10	1.00	14.00	6.00	26.00	57.0	
65	**-11	1.00	8.00	13.00	29.00	59.0	
66	**-12	1.00	13.00	19.00	39.00	71.0	
67	**-13	1.00	8.00	7.00	22.00	56.0	
68	**-14	1.00	14.00	4.00	24.00	60.0	
69	**-15	1.00	18.00	5.00	40.00	59.0	
70	**-16	1.00	9.00	10.00	29.00	52.0	
71	**-17	1.00	16.00	7.00	28.00	57.0	
72	**-18	1.00	12.00	16.00	36.00	65.0	
73	**- 1	1.00	15.00	10.00	31.00	56.0	
74	**- 2	1.00	18.00	11.00	33.00	76.0	
75	**- 3	1.00	12.00	7.00	33.00	65.0	
76	**- 4	1.00	14.00	9.00	33.00	65.0	
77	**- 5	1.00	20.00	17.00	44.00	81.0	
78	**- 6	1.00	18.00	9.00	44.00	122.0	
79	**- 7	1.00	14.00	9.00	34.00	76.0	
80	**- 8	1.00	14.00	11.00	37.00	69.0	
81	**- 9	1.00	10.00	6.00	31.00	58.0	
82	**-10	1.00	12.00	11.00	29.00	73.0	
83	**-11	1.00	16.00	9.00	30.00	92.0	
84	**-12	1.00	8.00	10.00	30.00	85.0	
85	**-13	1.00	20.00	9.00	34.00	85.0	
86	**-14	1.00	11.00	10.00	28.00	105.0	
87	**-15	1.00	9.00	7.00	28.00	60.0	
88	**-16	1.00	13.00	8.00	30.00	74.0	

472195

90	**-18	1.00	8.00	4.00	20.00	102.0
91	**- 1	1.00	9.00	3.00	20.00	100.0
92	**- 2	1.00	11.00	7.00	23.00	70.0
93	**- 3	1.00	15.00	8.00	32.00	83.0
94	**- 4	1.00	14.00	6.00	27.00	56.0
95	**- 5	1.00	17.00	13.00	38.00	73.0
96	**- 6	1.00	16.00	8.00	33.00	64.0
97	**- 7	1.00	13.00	7.00	35.00	47.0

SAM	POS	TIME	CPM1	CPM2	CPM3	AVG H#		ERR
98	**- 8	1.00	12.00	5.00	26.00	79.0		
99	**- 9	1.00	13.00	13.00	35.00	94.0		
100	**-10	1.00	17.00	9.00	32.00	61.0		
101	**-11	1.00	12.00	11.00	32.00	63.0		
102	**-12	1.00	5.00	7.00	19.00	82.0		
103	**-13	1.00	14.00	11.00	31.00	78.0		
104	**-14	1.00	12.00	11.00	29.00	85.0		
105	**-15	1.00	14.00	14.00	35.00	65.0		
106	**-16	1.00	8.00	7.00	19.00	61.0		
107	**-17	1.00	16.00	5.00	33.00	95.0		
108	**-18	1.00	13.00	9.00	33.00	87.0		
109	**- 1	1.00	13.00	7.00	25.00	126.0		
127	**- 1	1.00	134812.00	8226.00	142775.00	-26.0	3H Standard	
128	**- 2	1.00	17362.00	100290.00	122041.00	-25.0	14C Standard	
129	**- 3	1.00	29.00	16.00	65.00	-26.0	Blkg Standard	

INSIGHT DIAGNOSTIC IMAGING
ST. MARIES, ID

USED: 7 TD:PHP PRESET TIME: 1.00 WED 05 NOV 2008 12:01

SAMPLE REPEAT: 0 CYCLE REPEAT: 1 SCR:N RS232:N
H#: '1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 0.50 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
DATA CALC: CPM. UNKNOWN REPLICATES: 1 NORM FACTOR:0 1.00000
HALF LIFE(DAYS):N

SAM	POS	TIME	CPM1	CPM2	CPM3	AVG H#	ERR
1	**- 1	1.00	15.00	10.00	33.00	112.0	
2	**- 2	1.00	16.00	12.00	34.00	132.0	
3	**- 3	1.00	14.00	10.00	30.00	110.0	
4	**- 4	1.00	19.00	9.00	33.00	120.0	
5	**- 5	1.00	12.00	15.00	34.00	88.0	
6	**- 6	1.00	14.00	15.00	34.00	203.0	
7	**- 7	1.00	20.00	8.00	32.00	208.0	
8	**- 8	1.00	18.00	16.00	40.00	90.0	
9	**- 9	1.00	14.00	9.00	30.00	129.0	
10	**-10	1.00	13.00	16.00	32.00	110.0	
11	**-11	1.00	9.00	7.00	19.00	164.0	
12	**-12	1.00	16.00	9.00	32.00	162.0	
13	**-13	1.00	20.00	9.00	33.00	171.0	
14	**-14	1.00	11.00	5.00	19.00	146.0	
15	**-15	1.00	13.00	14.00	31.00	124.0	
16	**-16	1.00	15.00	12.00	36.00	109.0	
17	**-17	1.00	11.00	6.00	20.00	109.0	
18	**-18	1.00	12.00	11.00	34.00	95.0	
19	**- 1	1.00	12.00	8.00	28.00	108.0	
20	**- 2	1.00	7.00	4.00	16.00	96.0	
21	**- 3	1.00	17.00	10.00	38.00	96.0	
22	**- 4	1.00	13.00	9.00	33.00	93.0	
23	**- 5	1.00	11.00	9.00	29.00	70.0	
24	**- 6	1.00	12.00	7.00	30.00	52.0	
25	**- 7	1.00	17.00	14.00	40.00	109.0	
26	**- 8	1.00	20.00	11.00	38.00	100.0	
27	**- 9	1.00	13.00	18.00	38.00	66.0	
28	**-10	1.00	19.00	15.00	47.00	67.0	
29	**-11	1.00	16.00	15.00	41.00	81.0	
30	**-12	1.00	14.00	12.00	32.00	94.0	
31	**-13	1.00	21.00	8.00	39.00	60.0	
32	**-14	1.00	13.00	11.00	27.00	82.0	
33	**-15	1.00	19.00	13.00	39.00	68.0	
34	**-16	1.00	14.00	11.00	33.00	68.0	
35	**-17	1.00	15.00	7.00	28.00	78.0	
36	**-18	1.00	8.00	9.00	23.00	91.0	
37	**- 1	1.00	12.00	12.00	39.00	83.0	
38	**- 2	1.00	13.00	6.00	28.00	94.0	
39	**- 3	1.00	13.00	16.00	41.00	77.0	
40	**- 4	1.00	12.00	6.00	26.00	75.0	
41	**- 5	1.00	13.00	7.00	29.00	92.0	
42	**- 6	1.00	18.00	15.00	40.00	77.0	
43	**- 7	1.00	17.00	6.00	31.00	93.0	
44	**- 8	1.00	14.00	3.00	18.00	80.0	

45	**- 9	1.00	14.00	6.00	25.00	114.0	
46	**-10	1.00	21.00	9.00	34.00	101.0	
47	**-11	1.00	12.00	7.00	26.00	105.0	
48	**-12	1.00	14.00	7.00	29.00	82.0	
49	**-13	1.00	14.00	6.00	26.00	88.0	
50	**-14	1.00	13.00	12.00	30.00	72.0	
51	**-15	1.00	15.00	5.00	29.00	63.0	
~~52~~	~~**-16~~	~~1.00~~	~~12.00~~	~~8.00~~	~~27.00~~	~~90.0~~	
53	**-17	1.00	14.00	6.00	27.00	96.0	
54	**-18	1.00	22.00	6.00	36.00	62.0	
55	**- 1	1.00	16.00	13.00	32.00	63.0	
56	**- 2	1.00	16.00	8.00	30.00	64.0	
57	**- 3	1.00	10.00	8.00	28.00	79.0	
58	**- 4	1.00	12.00	6.00	20.00	69.0	
59	**- 5	1.00	17.00	9.00	32.00	92.0	
60	**- 6	1.00	12.00	11.00	32.00	69.0	
61	**- 7	1.00	20.00	5.00	31.00	108.0	
62	**- 8	1.00	11.00	8.00	27.00	78.0	
63	**- 9	1.00	10.00	9.00	26.00	78.0	
64	**-10	1.00	13.00	7.00	27.00	81.0	
65	**-11	1.00	10.00	14.00	32.00	62.0	
66	**-12	1.00	13.00	9.00	37.00	89.0	
67	**-13	1.00	17.00	7.00	38.00	48.0	
68	**-14	1.00	16.00	11.00	36.00	91.0	
69	**-15	1.00	16.00	10.00	37.00	58.0	
70	**-16	1.00	10.00	15.00	33.00	78.0	
71	**-17	1.00	15.00	8.00	34.00	71.0	
73	**- 1	1.00	134330.00	8042.00	142070.00	-26.0	3H Standard
74	**- 2	1.00	17261.00	100455.00	122001.00	-24.0	14C Standard
75	**- 3	1.00	20.00	13.00	56.00	-26.0	Bkg Standard

Insight Diagnostic Imaging.

Closeout Survey – Nuclear Medicine Imaging Room and Hot Lab
Kellogg, Idaho, Location of Use

1. List of isotopes, quantities, and dates of last use for radioactive materials used: Tc-99m, 10-40 mCi per dose for cardiac imaging, Thallium 201, 4 mCi per dose, and sodium iodide I-131 for treatment of thyroid disorders and cardiac dysfunction. The last date of use for sodium iodide I-131 was on or about November 1, 2007, the last date of use for all other radioactive materials was September 25, 2008.

2. The physical form for Tl-201 and Tc-99m is liquid; I-131 was used in encapsulated form.

3. History of major spills or possible spread of radiological contamination to inaccessible areas: No major spills or radiologic contamination.

4. Sealed source information: Sealed sources used for instrument calibration and quality control procedures were removed prior to performing the surveys. None of the sealed sources were leaking or had ever failed a leak test.

5. The closeout surveys were performed on November 4, 2008 with the results as follows:

a. Dose rate surveys were performed at several locations throughout the clinic. The survey results were obtained by holding the detector one meter above floors and other work surfaces, allowing the meter to stabilize, and noting the exposure rate. Representative background readings were obtained from a non-radioactive materials use area, (hallway outside the imaging room). Dose rate survey results did not locate any radiation above background readings, (0.02 mR/hour).

b. Scanning surveys were performed over 100% of work surfaces by moving the detector slowly back and forth at a speed of about one detector width per second and at a distance of less than 1 centimeter. Representative background readings were obtained from a non-radioactive materials use area, (hallway outside the room). Scanning survey results did not locate any radioactive contamination above background readings, (35 counts per minute).

c. Wipe surveys were taken from numbered locations on the survey maps. Removable activity levels were determined using moist alcohol wipes, approximately 2 x 2 cm. Moderate pressure was applied to the wiping material with two or three fingers during surface wipe sampling. Wipe sampling occurred as a repeated "S" pattern over the entire grid area. The wipe samples were then placed in counting vials with 7 ml of counting solution and identified with the numbered location or other pertinent information. One wipe sample for removable contamination was obtained from each measurement location. The counting system used is a Beckman 5800 LSC. The wipe sample analysis used three channels, (windows) – 0-18.6 kev, 0-156 kev, and 0-2000 kev. Please note the LSC assay printout indicates the window settings are 0-400, 0-670, and 0-1000. These settings are not in kev units but instead are specific voltage settings prescribed by the manufacturer to coincide with the above energy windows. Wipe survey results did not locate any radioactive contamination above background readings, (see attached data printout).

6. The instrument used to assay the wipe samples has an efficiency for 99mTc of about 50% per the manufacturer. The instrument MDA is calculated as 48 dpm or 2.2 e^{-5} uCi, using the Sorenson formula.

7. The survey meter used to perform the scanning and dose rate surveys is a Ludlum Model 14C attached to a Model 44-9 pancake detector. The survey meter was checked for constancy prior to and after the survey. The meter was within its calibration cycle.

8. Survey maps indicating the location of the above samples are attached to this report.

9. Decontamination of the room or any of the equipment within the room was unnecessary since the survey results did not identify any radioactive contamination.

Insight Diagnostic Imaging

Closeout Survey – Nuclear Medicine Imaging Room and Hot Lab
St. Maries, Idaho, Location of Use

1. List of isotopes, quantities, and dates of last use for radioactive materials used: Tc-99m, 10-40 mCi per dose for cardiac imaging. The last date of use for all radioactive materials was on or about June 1, 2008.

2. The physical form for Tc-99m is liquid.

3. History of major spills or possible spread of radiological contamination to inaccessible areas: No major spills or radiologic contamination.

4. Sealed source information: Sealed sources used for instrument calibration and quality control procedures were removed prior to performing the surveys. None of the sealed sources were leaking or had ever failed a leak test.

5. The closeout surveys were performed on October 31, 2008 with the results as follows:

a. Dose rate surveys were performed at several locations throughout the clinic. The survey results were obtained by holding the detector one meter above floors and other work surfaces, allowing the meter to stabilize, and noting the exposure rate. Representative background readings were obtained from a non-radioactive materials use area, (hallway outside the imaging room). Dose rate survey results did not locate any radiation above background readings, (0.02 mR/hour).

b. Scanning surveys were performed over 100% of work surfaces by moving the detector slowly back and forth at a speed of about one detector width per second and at a distance of less than 1 centimeter. Representative background readings were obtained from a non-radioactive materials use area, (hallway outside the room). Scanning survey results did not locate any radioactive contamination above background readings, (35 counts per minute).

c. Wipe surveys were taken from numbered locations on the survey maps. Removable activity levels were determined using moist alcohol wipes, approximately 2 x 2 cm. Moderate pressure was applied to the wiping material with two or three fingers during surface wipe sampling. Wipe sampling occurred as a repeated "S" pattern over the entire grid area. The wipe samples were then placed in counting vials with 7 ml of counting solution and identified with the numbered location or other pertinent information. One wipe sample for removable contamination was obtained from each measurement location. The counting system used is a Beckman 5800 LSC. The wipe sample analysis used three channels, (windows) – 0-18.6 kev, 0-156 kev, and 0-2000 kev. Please note the LSC assay printout indicates the window settings are 0-400, 0-670, and 0-1000. These settings are not in kev units but instead are specific voltage settings prescribed by the manufacturer to coincide with the above energy windows. Wipe survey results did not locate any radioactive contamination above background readings, (see attached data printout).

6. The instrument used to assay the wipe samples has an efficiency for 99mTc of about 50% per the manufacturer. The instrument MDA is calculated as 45 dpm or 2.02 e^{-5} uCi, using the Sorenson formula.

7. The survey meter used to perform the scanning and dose rate surveys is a Ludlum Model 14C attached to a Model 44-9 pancake detector. The survey meter was checked for constancy prior to and after the survey. The meter was within its calibration cycle.

8. Survey maps indicating the location of the above samples are attached to this report.

9. Decontamination of the room or any of the equipment within the room was unnecessary since the survey results did not identify any radioactive contamination.

This is to acknowledge the receipt of your letter/application ~~dated~~ rec'd 3-31-09 DATE
3-23-09, and to inform you that the initial processing, which includes an administrative review, has been performed.

☒ There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

☐ A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 472195.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Colleen Murnahan
Licensing Assistant

NRC FORM 532 (RIV)
(10-2008)

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02201
Status Code: 0
Fee Category: 7C
Exp. Date: 20180531
Fee Comments: _____
Decom Fin Assur Reqd: _____

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: INSIGHT DIAGNOSTIC IMAGING
   Received Date: 20090323
   Docket No: 3037735
   Control No.: 472195
   License No.: 11-29290-01
   Action Type: Amendment

2. FEE ATTACHED
   Amount: /
   Check No.: /

3. COMMENTS

Signed Colleen Murahan
Date 3-25-09

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
   Amendment _____
   Renewal _____
   License _____

3. OTHER _____

Signed _____
Date _____

From: Origin ID: COEA (208) 773-6400
Heather Kelpin
Pinnacle PMA, Inc.
806 Clearwater Loop
Suite N
Post Falls, ID 83854

FedEx. Express

E

J90110901302023

Ship Date: 20MAR09
ActWgt: 1.0 LB
CAD: 9828300/INET9011
Account#: S *********

Delivery Address Bar Code

SHIP TO: (555) 555-5555 BILL SENDER

Attn: Licensing Division
US Nuclear Regulatory Commision
612 E. Lamar Blvd. Ste. 400

Arlington, TX 76011

Ref #
Invoice #
PO #
Dept #

472195

MON - 23MAR A1

TRK# 0201 7974 3512 0002

PRIORITY OVERNIGHT

76011
TX-US
DFW

SE FWHA