

1521 Gull Road
Kalamazoo, MI 49048
(269) 226.7000

BORGESS
Medical Center

October 9, 2012

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

**Re: 411 Naomi Street, Plainwell, MI location
License No. 21-12275-02, Borgess Medical Center**

We are resubmitting the request to remove the 411 Naomi Street, Plainwell, MI location from our license. A copy of our original request dated July 25, 2011 is enclosed. The last decay in storage, waste disposal records, and a close out survey of the location is enclosed for your review.

Thank you for your cooperation in this matter. If you have any questions, please contact our Radiation Safety Officer, Paul Jursinic, Ph.D. at 269-373-7407 or pjursinic@wmcc.org.

Regards,



Tom Mushett, Radiology Director



Paul Jursinic, Ph.D., Radiation Safety Officer

RECEIVED OCT 15 2012

1521 Gull Road
Kalamazoo, MI 49048
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July 25, 2011

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Regards,



Linda Lawton, MSN, RN, FACHE
Vice President, Borgess Medical Center Operations

Express Package US Airbill

FedEx Tracking Number 8755 8127 6523

Form ID No. 0215

FORM 13

Please print and press hard.

7-28-11

Sender's FedEx Account Number 8755 8127 6523

Recipient Name: DM MUSHETT Phone: (269) 226-5977

Company: HILSBOR/BORRESS MEDICAL CENTER

Address: 1521 GULL RD Dept./Floor/Suite/Room

City: KALAMAZOO State: MI ZIP: 49048-1640

Internal Billing Reference 6259

Shipper's Name: USNRC Phone: ()

Company: USNRC

Address: Region III Mat. Licensing HOLD Weekday FedEx location address REQUIRED: NOT valid for FedEx First Overnight

Address: 2443 Warrenville Rd, Ste 210 HOLD Saturday FedEx location address REQUIRED: Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City: Lisle State: IL ZIP: 60532-4352

0437366740

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Priority Overnight Next business morning. * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight Next business afternoon. * Saturday Delivery NOT available.

NEW FedEx 2Day A.M. Second business morning. * Saturday Delivery NOT available.

FedEx 2Day Second business afternoon. * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Express Saver Third business day. * Saturday Delivery NOT available.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

5 Packaging * Declared value limit \$500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery (Not available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.)

No Signature Required Package may be left without obtaining a signature for delivery.

Direct Signature Someone at recipient's address may sign for delivery. Fee applies.

Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked. No Yes As per attached Shipper's Declaration. Yes Shipper's Declaration not required. Dry Ice Dry Ice, UN 1845 x kg. Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below. Sender Acct. No. in Section 1 will be billed. Recipient Thrd Party Credit Card Cash/Check. FedEx Acct. No. Credit Card No. Exp. Date

Total Packages Total Weight Total Declared Value*

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*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

Close-out Survey

Borgess – Pipp Hospital
411 Naomi Street
Plainwell, MI 49080

Date Performed: July 5, 2011

Performed By: Dawn Edwards, M.S., Consulting Physicist

Wipe tests were analyzed with a Capintec Captus 600 Well Counter. The efficiency factor is 1.26 dpm/cpm and the MDA is 30 dpm. The action level for wipe tests was 1000 dpm/100 cm².

Surveys were performed using a Bicron 2000 survey meter, serial number I-208A with an end window probe. Range used was 0-0.2 mR/hr. The meter was last calibrated on 08/23/10. The action level for exposure rate surveys was 0.1 mR/hr.

Visual Check

The area was checked to ensure no radioactive materials were in any of the rooms. The last use of radiopharmaceuticals was on June 30, 2011. The nuclear medicine room and stress lab were used for patient imaging and injections. The hot lab area was used to store sealed sources and radiopharmaceuticals. Only Tc-99m was used at this location and all waste was decayed to background exposure. Radioactive sealed sources were transferred to the main nuclear medicine department at Borgess Medical Center, 1521 Gull Road, Kalamazoo, MI. There is no history of leaking sources and a copy of the most recent sealed source leak test is enclosed.

Radiation Level Survey

No area within the office demonstrated radiation levels in excess of the background reading of 0.01 mR/hr.

Removable Contamination

1 minute counts

Background 0 dpm

Area Results in dpm

Diagrams of the survey areas are enclosed.

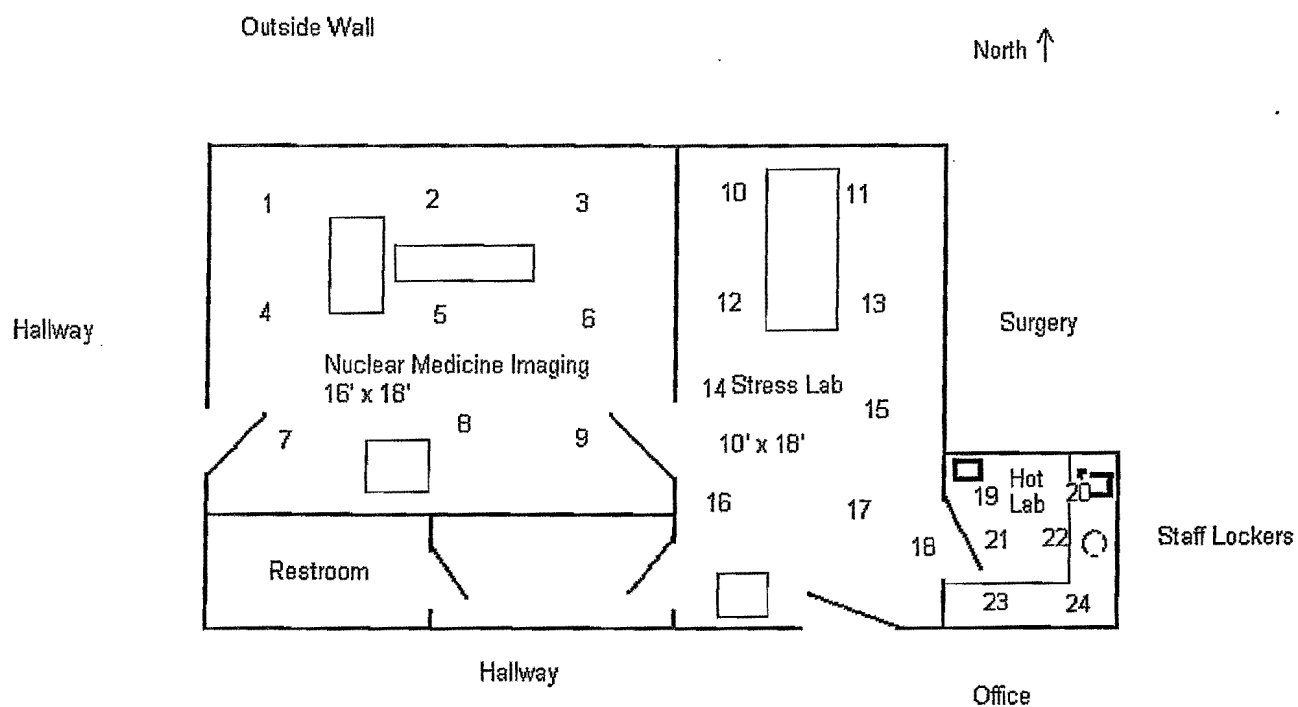
Area	Result
1	40 dpm
2	0 dpm
3	0 dpm
4	64 dpm
5	0 dpm
6	0 dpm
7	8 dpm
8	28 dpm
9	36 dpm
10	0 dpm
11	86 dpm
12	22 dpm
13	0 dpm
14	26 dpm
15	66 dpm
16	14 dpm
17	0 dpm
18	30 dpm
19	34 dpm
20	50 dpm
21	0 dpm
22	0 dpm
23	0 dpm
24	10 dpm

Maximum removable contamination: 86 dpm

Conclusion

No removable contamination is present.

Diagram of wipe and survey areas





Sealed Source Inventory

Licensee: Borgess - Pipp Health Center

Date: 05/04/11

Performed by: Dawn Edwards

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Ba-133	Vial	249.7 uCi	01/01/01	Hot Lab	IPL	743-16-6
Current Activity: 128.1 uCi						
Cs-137	Vial	217.1 uCi	12/01/00	Hot Lab	IPL	743-1-53
Current Activity: 170.6 uCi						
Cs-137	Rod	0.5 uCi	11/01/00	Hot Lab	IPL	725-42-4
Current Activity: 0.392 uCi						
Cs-137	Spot	1 uCi	07/01/00	Meter		1159
Current Activity: 0.778 uCi						
Cs-137	Spot	1 uCi	07/01/00	Meter		1168
Current Activity: 0.778 uCi						
Co-57	Flood	15 mCi	12/10/07	Hot Lab	MED-3709	119669
Current Activity: 0.627 mCi						
Co-57	Flood	10 mCi	10/01/10	Hot Lab	MED-3709	1457-053
Current Activity: 5.769 mCi						

SEALED SOURCE AMBIENT EXPOSURE SURVEY

Meter: Bicron at flood

Max Reading 0.3 mR/hr



Sealed Source Leak Test

Licensee: Borgess - Pipp Health Center

Date: 05/04/11

Performed by: Dawn Edwards

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Ba-133	Vial	249.7 uCi	01/01/01	Hot Lab	IPL	743-16-6
Current Activity: 128.1 uCi						
Cs-137	Vial	217.1 uCi	12/01/00	Hot Lab	IPL	743-1-53
Current Activity: 170.6 uCi						
Co-57	Flood	15 mCi	12/10/07	Hot Lab	MED-3709	119669
Current Activity: 0.627 mCi						
Co-57	Flood	10 mCi	10/01/10	Hot Lab	MED-3709	1457-053
Current Activity: 5.769 mCi						

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	2.0×10^{-4} uCi	145 counts/1 min
Ba-133	8.8×10^{-5} uCi	204 counts/1 min
Co-57	1.7×10^{-5} uCi	53 counts/1 min

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FedEx NEW Package
Express US Airbill

FedEx Tracking Number 8992 5750 0142

1 From Date 10-12-12 FedEx Tracking Number 899257500142

Sender's Name TDM WUSHETT Phone 269 226-4840

Company HLSOB/BORGESS MEDICAL CENTER

Address 1521 GULL RD Dept./Floor/Sub/Room

City KALAMAZOO State MI ZIP 49048-1640

2 Your Internal Billing Reference 6259

3 To Recipient's Name Colleen Casey Phone

Company USNRC

Address Region 11, Lansing Dept./Floor/Sub/Room

Address 2443 Warrenville, Ste 210

City USE State IL ZIP 60532-4352

0444729099



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Recipient's Copy

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 FedEx First Overnight
 FedEx Priority Overnight
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2 or 3 Business Days
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 FedEx 2Day
 FedEx Express Saver

5 Packaging *Declared value limit \$200.
 FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options
 SATURDAY Delivery
 No Signature Required
 Direct Signature
 Indirect Signature

Does this shipment contain dangerous goods?
 No Yes
One box must be checked.
As per attached Shipper's Declaration. Shipper's Declaration not required.
Shipper's Declaration may sign for delivery. Fee applies.
Dry Ice (Dry Ice 3 UN 1845) Cargo Aircraft Only

Payment Bill to:
 Sender Recipient Third Party Credit Card Cash/Check

Total Packages Total Weight Credit Card Acct. No.

Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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