

# MERCY

## HEALTH PARTNERS

**22 Jun 2009**

**Materials Licensing Branch  
US NRC Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352**

**RE:           action adding an authorized medical physicist to NRC  
Radioactive Material License No. 21-02187-01**

**Dear Sir:**

**I request the addition of Joe Reese Haywood, PhD, in the capacity of an authorized medical physicist, to our Radioactive Materials License No. 21-02187-01. Dr. Haywood meets the educational, training and work experience requirements delineated in 10 CFR 35.51 (b) and (c). As verification, I have included a completed copy of form 313A (AMP), plus additional documentation.**

**As the institution's Radiation Safety Officer and an Authorized Medical Physicist, I certify Dr. Haywood demonstrates competency in working with the sources listed in 10 CFR 35.600, limited to high dose rate (HDR) remote afterloading systems. Dr. Haywood demonstrates expertise in all aspects of HDR remote afterloading procedures, having completed vendor administered operational and safety (mechanical, electrical and radiation) training for the Varian GammaMed*Plus* iX HDR unit, as well as numerous supervised full calibrations and periodic spot checks and radiation safety surveys. Dr. Haywood employs appropriate radiation safety precautions in operating the HDR unit.**

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**In addition, Dr. Haywood has developed several brachytherapy treatment plans using the validated computerized treatment planning system from Varian Medical Systems. Dr. Haywood demonstrates proficiency in his use of the treatment planning software. He has developed plans for an impressive list of anatomical sites, including breast, lung, cervix and vagina. He understands and uses appropriate verification methods to confirm the treatment plans.**

**The intent of this request is to ensure this institution remains in compliance with NRC regulations and our own license stipulations concerning administration of sealed sources for brachytherapy applications.**

**Should you have any additional questions regarding Dr. Haywood's qualifications, please contact me at 231-672-2008. Thank you for your prompt attention to this request.**

**Sincerely,**

A handwritten signature in cursive script that reads "Jennifer Hann Fisher".

**Jennifer Hann Fisher, MS, DABR  
Senior Medical Physicist and Radiation Safety Officer**

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE  
AND PRECEPTOR ATTESTATION  
[10 CFR 35.51]**

APPROVED BY OMB: NO. 3150-0120  
EXPIRES: 3/31/2012

Name of Proposed Authorized Medical Physicist

Joe Reese Haywood, Ph.D.

- Requested Authorization(s) (check all that apply)**
- 35.400 Ophthalmic use of strontium-90     35.600 Teletherapy unit(s)
- 35.600 Remote afterloader unit(s)     35.600 Gamma stereotactic radiosurgery unit(s)

**PART I -- TRAINING AND EXPERIENCE**  
*(Select one of the three methods below)*

\*Training and Experience, including Board Certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

- 1. Board Certification**
- a. Provide a copy of the board certification.
- b. Go to the table in 3.c. and describe training provider and dates of training for each type of use for which authorization is sought.
- c. Skip to and complete Part II Preceptor Attestation.
- 2. Current Authorized Medical Physicist Seeking Additional Authorization for use(s) checked above**
- a. Go to the table in section 3.c. to document training for new device.
- b. Skip to and complete Part II Preceptor Attestation
- 3. Education, Training, and Experience for Proposed Authorized Medical Physicist**
- a. Education: Document master's or doctor's degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university.

Degree	Major Field
Ph.D.	Physics
College or University	
University of Notre Dame	

- b. Supervised Full-Time Medical Physics Training and Work Experience in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.
- Yes. Completed 1 year of full-time training in medical physics (for areas identified below) under the supervision of Jennifer Hann Fisher, M.S., DABR who meets the requirements for an Authorized Medical Physicist.

**AND**

- Yes. Completed 1 year of full-time work experience in medical physics (for areas identified below) under the supervision of Jennifer Hann Fisher, M.S., DABR who meets the requirements for an Authorized Medical Physicist.

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Education, Training, and Experience for Proposed Authorized Medical Physicist** (continued)

b. Supervised Full-Time Medical Physics Training and Work Experience (continued)

*If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.*

Description of Training/ Experience	Location of Training/License or Permit Number of Training Facility/Medical Devices Used+	Dates of Training*	Dates of Work Experience*
Medical Physics	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to March 08	
	Work Experience--MHP, Muskegon, MI NRC No.: 21-02187-01/Remote Afterloader		July 08 to present
Performing sealed source leak tests and inventories	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to March 08	
	Work Experience--MHP, Muskegon, MI NRC No.: 21-02187-01/Remote Afterloader		July 08 to present
Performing decay corrections	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to March 08	
	Work Experience--MHP, Muskegon, MI NRC No.: 21-02187-01/Remote Afterloader		July 08 to present
Performing full calibration and periodic spot checks of external beam treatment unit(s)			
Performing full calibration and periodic spot checks of stereotactic radiosurgery unit(s)			
Performing full calibration and periodic spot checks of remote afterloading unit(s)	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to March 08	
	Work Experience--MHP, Muskegon, MI NRC No.: 21-02187-01/Remote Afterloader		July 08 to present
Conducting radiation surveys around external beam treatment unit(s), stereotactic radiosurgery unit(s), remote after loading unit(s)	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to March 08	
	Work Experience--MHP, Muskegon, MI NRC No.: 21-02187-01/Remote Afterloader		July 08 to present

Supervising Individual\*\*

License/Permit Number listing supervising individual as an authorized Medical Physicist

Jennifer Hann Fisher, M.S., DABR

MHSB NRC No.: 13-18881-01 MHP NRC No.: 21-02187-01

for the following types of use:

- Remote afterloader unit(s)       Teletherapy unit(s)       Gamma stereotactic radiosurgery unit(s)

+ Training and work experience must be conducted in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.

\* 1 year of Full-time medical physics training and 1 year of full time work experience cannot be concurrent.

\*\* If the supervising medical physicist is not an authorized medical physicist, the licensee must submit evidence that the supervising medical physicist meets the training and experience requirements in 10 CFR 35.51 and 35.59 for the types of use for which the individual is seeking authorization.

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Education, Training, and Experience for Proposed Authorized Medical Physicist (continued)**

c. Describe training provider and dates of training for each type of use for which authorization is sought.

Description of Training	Training Provider and Dates		
	Remote Afterloader	Teletherapy	Gamma Stereotactic Radiosurgery
Hands-on device operation	Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to present See additional attached information for this Supervisor		
Safety procedures for the device use	Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to present See additional attached information for this Supervisor		
Clinical use of the device	Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to present See additional attached information for this Supervisor		
Treatment planning system operation	Supervised; Varian Eclipse BrachyVision MHSB June 07 to present See additional attached information for this Supervisor		

**Supervising Individual**

*If training is provided by Supervising Medical Physicist, (if more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)*

**Jennifer Hann Fisher, M.S., DABR**

License/Permit Number listing supervising individual as an authorized Medical Physicist

**MHSB MHP  
NRC No.: 13-18881-01 NRC No.: 21-02187-01**

for the following types of use:

- Remote afterloader unit(s)       Teletherapy unit(s)       Gamma stereotactic radiosurgery unit(s)

If Applicable:

Authorization Sought	Device	Training Provided By	Dates of Training
35.400 Ophthalmic Use of strontium-90			

d. Skip to and complete Part II Preceptor Attestation.

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Jennifer Hann Fisher, M.S., DABR**

Facility Licenses:

**MHSB NRC No: 13-18881-01 AND**

**MHP NRC No: 21-02187-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Daily Warmup	07/23/2007	JHF	0.5	MHSB
Daily Warmup	07/25/2007	JHF	0.5	MHSB
Daily Warmup	07/10/2008	JHF	0.5	MHP
Daily Warmup	08/06/2008	JHF	0.5	MHP
Daily Warmup	08/12/2008	JHF	0.5	MHP
Daily Warmup	08/15/2008	JHF	0.5	MHP
Daily Warmup	08/19/2008	JHF	0.5	MHP
Daily Warmup	09/04/2008	JHF	0.5	MHP
Daily Warmup	09/08/2008	JHF	0.5	MHP
Daily Warmup	09/09/2008	JHF	0.5	MHP
Daily Warmup	10/06/2008	JHF	0.5	MHP
Daily Warmup	10/28/2008	JHF	0.5	MHP
Daily Warmup	11/04/2008	JHF	0.5	MHP
Daily Warmup	11/10/2008	JHF	0.5	MHP
Daily Warmup	11/11/2008	JHF	0.5	MHP
Daily Warmup	12/10/2008	JHF	0.5	MHP
Daily Warmup	02/10/2009	JHF	0.5	MHP
Daily Warmup	02/24/2009	JHF	0.5	MHP
Daily Warmup	04/21/2009	JHF	0.5	MHP
Daily Warmup	05/13/2009	JHF	0.5	MHP
Daily Warmup	06/03/2009	JHF	0.5	MHP
Daily Warmup	06/16/2009	JHF	0.5	MHP
Daily Warmup	06/17/2009	JHF	0.5	MHP
Daily Warmup	06/18/2009	JHF	0.5	MHP
Full Calibration of HDR remote AfterLoader following source installation/source exchange; Calculating Decay Corrections	08/22/2008	JHF	2	MHP
Full Calibration of HDR remote AfterLoader following source installation/source exchange; Calculating Decay Corrections	11/19/2008	JHF	2	MHP
Full Calibration of HDR remote AfterLoader following source installation/source exchange; Calculating Decay Corrections	02/24/2009	JHF	2	MHP
Full Calibration of HDR remote AfterLoader following source installation/source exchange; Calculating Decay Corrections	06/03/2009	JHF	2	MHP
Periodic Spot Check; Calculating Decay Corrections	07/23/2008	JHF	2	MHP
Periodic Spot Check; Calculating Decay Corrections	09/27/2008	JHF	2	MHP
Periodic Spot Check; Calculating Decay Corrections	12/21/2008	JHF	2	MHP
Periodic Spot Check; Calculating Decay Corrections	01/23/2009	JHF	2	MHP
Periodic Spot Check; Calculating Decay Corrections	04/21/2009	JHF	2	MHP

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Jennifer Hann Fisher, M.S., DABR**  
 Facility Licenses:  
**MHSB NRC No: 13-18881-01 AND**  
**MHP NRC No: 21-02187-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey @ source installation/ source exchange	02/24/2009	JHF	1	MHP
Radiation Survey @ source installation/ source exchange	06/03/2009	JHF	1	MHP
Radiation Survey @ source installation/ source exchange	08/22/2008	JHF	1	MHP
Radiation Survey @ source installation/ source exchange	11/19/2008	JHF	1	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	07/23/2007	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	07/25/2007	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	07/25/2007	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	07/27/2007	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	07/27/2007	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	07/27/2007	JHf	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/05/2008	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/05/2008	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/07/2008	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	02/01/2008	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	02/01/2008	JHF	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	07/10/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	08/06/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	08/07/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	08/12/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	08/12/2008	JHF	0.5	MHP

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Jennifer Hann Fisher, M.S., DABR**

Facility Licenses:

**MHSB NRC No: 13-18881-01 AND**

**MHP NRC No: 21-02187-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	08/13/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	08/13/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	08/14/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	08/14/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	08/14/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	08/15/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	08/15/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	08/18/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	08/19/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	09/03/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/03/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	09/04/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/04/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	09/08/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/08/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	09/08/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	09/15/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	09/18/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	10/28/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/04/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	11/10/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	11/11/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	11/11/2008	JHF	0.5	MHP

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Jennifer Hann Fisher, M.S., DABR**  
 Facility Licenses:  
**MHSB NRC No: 13-18881-01 AND**  
**MHP NRC No: 21-02187-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	11/12/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	11/12/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	11/13/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	11/13/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/13/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	12/10/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	12/15/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	12/22/2008	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/05/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/05/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/06/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/06/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/07/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/07/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/07/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/08/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/14/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/21/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	02/10/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	02/18/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/27/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/28/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/30/2009	JHF	0.5	MHP

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor**

**Jennifer Hann Fisher, M.S., DABR**

Facility Licenses:

**MHSB NRC No: 13-18881-01 AND**

**MHP NRC No: 21-02187-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	05/13/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	06/16/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	06/17/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	06/17/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	06/18/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	06/18/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	09/09/2009	JHF	0.5	MHP
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/09/2009	JHF	0.5	MHP
Treatment Plan Vaginal Cylinder	10/03/2007	JHF	0.75	MHSB
Treatment Plan Vaginal Cylinder	01/11/2008	JHF	0.75	MHSB
Treatment Plan Vaginal Cylinder	01/14/2008	JHF	0.75	MHSB
Treatment Plan Vaginal Cylinder	08/06/2008	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	08/06/2008	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	08/08/2008	JHF	0.75	MHP
Treatment Plan Mammosite	08/13/2008	JHF	0.75	MHP
Treatment Plan Mammosite	08/13/2008	JHF	0.75	MHP
Treatment Plan Mammosite	08/14/2008	JHF	0.75	MHP
Treatment Plan Mammosite	08/14/2008	JHF	0.75	MHP
Treatment Plan Mammosite	08/15/2008	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	08/25/2008	JHF	0.75	MHP
Treatment Plan Mammosite	09/03/2008	JHF	0.75	MHP
Treatment Plan Mammosite	09/03/2008	JHF	0.75	MHP
Treatment Plan Mammosite	09/04/2008	JHF	0.75	MHP
Treatment Plan Mammosite	09/04/2008	JHF	0.75	MHP
Treatment Plan Mammosite	09/08/2008	JHF	0.75	MHP
Treatment Plan Mammosite	09/08/2008	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	10/28/2008	JHF	0.75	MHP
Treatment Plan Mammosite	11/07/2008	JHF	0.75	MHP
Treatment Plan Mammosite	11/10/2008	JHF	0.75	MHP
Treatment Plan Mammosite	11/10/2008	JHF	0.75	MHP
Treatment Plan Mammosite	11/10/2008	JHF	0.75	MHP
Treatment Plan Mammosite	11/12/2008	JHF	0.75	MHP
Treatment Plan Mammosite	11/13/2008	JHF	0.75	MHP

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Jennifer Hann Fisher, M.S., DABR**

Facility Licenses:

**MHSB NRC No: 13-18881-01 AND**

**MHP NRC No: 21-02187-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Treatment Plan Vaginal Cylinder	11/13/2008	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	12/10/2008	JHF	0.75	MHP
Treatment Plan Mammosite	01/06/2009	JHF	0.75	MHP
Treatment Plan Mammosite	01/06/2009	JHF	0.75	MHP
Treatment Plan Mammosite	01/07/2009	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	01/07/2009	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	01/07/2009	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	05/04/2009	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	05/12/2009	JHF	0.75	MHP
Treatment Plan Mammosite	06/18/2009	JHF	0.75	MHP
Treatment Plan Vaginal Cylinder	09/08/2009	JHF	0.75	MHP

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Education, Training, and Experience for Proposed Authorized Medical Physicist** (continued)

b. Supervised Full-Time Medical Physics Training and Work Experience (continued)

*If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.*

Description of Training/ Experience	Location of Training/License or Permit Number of Training Facility/Medical Devices Used+	Dates of Training*	Dates of Work Experience*
Medical Physics	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to June 08	
	Work Experience--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader		June 08 to July 08
Performing sealed source leak tests and inventories	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to June 08	
	Work Experience--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader		June 08 to July 08
Performing decay corrections	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to June 08	
	Work Experience--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader		June 08 to July 08
Performing full calibration and periodic spot checks of external beam treatment unit(s)			
Performing full calibration and periodic spot checks of stereotactic radiosurgery unit(s)			
Performing full calibration and periodic spot checks of remote afterloading unit(s)	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to June 08	
	Work Experience--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader		June 08 to July 08
Conducting radiation surveys around external beam treatment unit(s), stereotactic radiosurgery unit(s), remote after loading unit(s)	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to June 08	
	Work Experience--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader		June 08 to July 08

Supervising Individual\*\*

**Daniel J. Archambeault, M.S., DABMP**

License/Permit Number listing supervising individual as an authorized Medical Physicist

**MHSB NRC No.: 13-18881-01**

for the following types of use:

- Remote afterloader unit(s)       Teletherapy unit(s)       Gamma stereotactic radiosurgery unit(s)

+ Training and work experience must be conducted in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.

\* 1 year of Full-time medical physics training and 1 year of full time work experience cannot be concurrent.

\*\* If the supervising medical physicist is not an authorized medical physicist, the licensee must submit evidence that the supervising medical physicist meets the training and experience requirements in 10 CFR 35.51 and 35.59 for the types of use for which the individual is seeking authorization.

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Education, Training, and Experience for Proposed Authorized Medical Physicist** (continued)

c. Describe training provider and dates of training for each type of use for which authorization is sought.

Description of Training	Training Provider and Dates		
	Remote Afterloader	Teletherapy	Gamma Stereotactic Radiosurgery
Hands-on device operation	<b>Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to July 08 See additional attached information for this Supervisor</b>		
Safety procedures for the device use	<b>Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to July 08 See additional attached information for this Supervisor</b>		
Clinical use of the device	<b>Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to July 08 See additional attached information for this Supervisor</b>		
Treatment planning system operation	<b>Supervised; Varian Eclipse BrachyVision MHSB June 07 to July 08 See additional attached information for this Supervisor</b>		

**Supervising Individual**

*If training is provided by Supervising Medical Physicist, (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)*

License/Permit Number listing supervising individual as an authorized Medical Physicist

**Daniel J. Archambeault, M.S., DABMP**

**MHSB  
NRC No.: 13-18881-01**

for the following types of use:

- Remote afterloader unit(s)       Teletherapy unit(s)       Gamma stereotactic radiosurgery unit(s)

If Applicable:

Authorization Sought	Device	Training Provided By	Dates of Training
35.400 Ophthalmic Use of strontium-90			

d. Skip to and complete Part II Preceptor Attestation.

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Daily Warmup	06/26/2007	DJA	0.5	MHSB
Daily Warmup	06/28/2007	DJA	0.5	MHSB
Daily Warmup	07/30/2007	DJA	0.5	MHSB
Daily Warmup	08/23/2007	DJA	0.5	MHSB
Daily Warmup	08/24/2007	DJA	0.5	MHSB
Daily Warmup	10/11/2007	DJA	0.5	MHSB
Daily Warmup	10/16/2007	DJA	0.5	MHSB
Daily Warmup	10/24/2007	DJA	0.5	MHSB
Daily Warmup	10/31/2007	DJA	0.5	MHSB
Daily Warmup	11/02/2007	DJA	0.5	MHSB
Daily Warmup	12/19/2007	DJA	0.5	MHSB
Daily Warmup	01/05/2008	DJA	0.5	MHSB
Daily Warmup	01/11/2008	DJA	0.5	MHSB
Daily Warmup	01/22/2008	DJA	0.5	MHSB
Daily Warmup	02/11/2008	DJA	0.5	MHSB
Daily Warmup	02/20/2008	DJA	0.5	MHSB
Daily Warmup	02/25/2008	DJA	0.5	MHSB
Daily Warmup	03/03/2008	DJA	0.5	MHSB
Daily Warmup	03/05/2008	DJA	0.5	MHSB
Daily Warmup	03/10/2008	DJA	0.5	MHSB
Daily Warmup	03/13/2008	DJA	0.5	MHSB
Daily Warmup	03/25/2008	DJA	0.5	MHSB
Daily Warmup	03/27/2008	DJA	0.5	MHSB
Daily Warmup	03/31/2008	DJA	0.5	MHSB
Daily Warmup	04/01/2008	DJA	0.5	MHSB
Daily Warmup	04/02/2008	DJA	0.5	MHSB
Daily Warmup	04/03/2008	DJA	0.5	MHSB
Daily Warmup	04/04/2008	DJA	0.5	MHSB
Daily Warmup	04/10/2008	DJA	0.5	MHSB
Daily Warmup	04/15/2008	DJA	0.5	MHSB
Daily Warmup	04/21/2008	DJA	0.5	MHSB
Daily Warmup	04/28/2008	DJA	0.5	MHSB
Daily Warmup	05/08/2008	DJA	0.5	MHSB
Daily Warmup	05/28/2008	DJA	0.5	MHSB
Daily Warmup	06/09/2008	DJA	0.5	MHSB
Full Calibration of HDR remote AfterLoader following source installation/source exchange; Calculating Decay Corrections	08/22/2007	DJA	2	MHSB
Full Calibration of HDR remote AfterLoader following source installation/source exchange; Calculating Decay Corrections	02/27/2008	DJA	2	MHSB
Full Calibration of HDR remote AfterLoader following source installation/source exchange; Calculating Decay Corrections	05/23/2008	DJA	2	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Pericodic Spot Check; Calculating Decay Corrections	06/21/2007	DJA	2	MHSB
Pericodic Spot Check; Calculating Decay Corrections	07/19/2007	DJA	2	MHSB
Pericodic Spot Check; Calculating Decay Corrections	09/27/2007	DJA	2	MHSB
Pericodic Spot Check; Calculating Decay Corrections	10/24/2007	DJA	2	MHSB
Pericodic Spot Check; Calculating Decay Corrections	01/28/2008	DJA	2	MHSB
Pericodic Spot Check; Calculating Decay Corrections	04/24/2008	DJA	2	MHSB
Pericodic Spot Check; Calculating Decay Corrections	06/27/2008	DJA	2	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Endobronch	10/04/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Endobronch	10/11/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Endobronch	10/18/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	07/30/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	09/19/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	09/20/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	09/21/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	10/22/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	10/24/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	10/26/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/07/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/29/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	01/31/2008	DJA	0.5	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
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Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	02/01/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	02/01/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	02/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	02/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	03/10/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	03/11/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	03/12/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	03/13/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	03/17/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	03/31/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	03/31/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/01/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/01/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/02/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/03/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/07/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/08/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/09/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/28/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/29/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	04/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	05/02/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	05/28/2008	DJA	0.5	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	05/29/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	06/02/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	06/03/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	07/30/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/19/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/20/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/21/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	10/23/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	10/24/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	10/25/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	10/26/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/07/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/08/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/31/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	01/31/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	02/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	02/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	03/10/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	03/11/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	03/12/2008	DJA	0.5	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

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<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	03/17/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	03/31/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	03/31/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/01/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/01/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/02/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/02/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/03/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/03/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/07/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/08/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/09/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/11/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/28/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/29/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	04/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	05/01/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	05/02/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	05/28/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	05/29/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	05/30/2008	DJA	0.5	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	05/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	06/05/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	06/23/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	06/28/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	08/10/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	08/20/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	08/24/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	09/21/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	10/03/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	10/12/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	10/24/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/02/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/09/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/15/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/21/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/21/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/28/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	11/30/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	12/05/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	12/12/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	12/13/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	12/19/2007	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/04/2008	DJA	0.5	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/04/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/10/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/11/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/14/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	01/28/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	02/11/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	02/18/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	02/20/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	02/25/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/03/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/05/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/10/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/10/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/11/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/19/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/19/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/25/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/25/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	03/27/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	04/07/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	04/08/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	04/15/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	04/21/2008	DJA	0.5	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	04/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	05/08/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	05/13/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	05/21/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	05/28/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	05/29/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	05/30/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	06/09/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	06/16/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	06/23/2008	DJA	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	06/23/2008	DJA	0.5	MHSB
Treatment Plan Mammosite	07/31/2007	DJA	0.75	MHSB
Treatment Plan Mammosite	09/21/2007	DJA	0.75	MHSB
Treatment Plan Mammosite	10/23/2007	DJA	0.75	MHSB
Treatment Plan Mammosite	10/26/2007	DJA	0.75	MHSB
Treatment Plan Mammosite	01/04/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/05/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/07/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/28/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/28/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/29/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/29/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/30/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/30/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/30/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/30/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	01/31/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	02/01/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	02/01/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	02/01/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	02/04/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	02/04/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	03/07/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	03/10/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	03/11/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	03/12/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	03/13/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	03/28/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	03/31/2008	DJA	0.75	MHSB

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Daniel J. Archambeault, M.S., DABMP**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Treatment Plan Mammosite	03/31/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/01/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/01/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/01/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/03/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/04/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/04/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/07/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/08/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/10/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/10/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/28/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/28/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	04/29/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	05/02/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	05/27/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	05/28/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	05/29/2008	DJA	0.75	MHSB
Treatment Plan Mammosite	05/30/2009	DJA	0.75	MHSB
Treatment Plan Prostata	04/01/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	10/19/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	10/24/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	10/24/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	11/28/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	12/12/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	12/13/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	12/19/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	12/20/2007	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	01/10/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	02/18/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	02/18/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	03/05/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	03/10/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	03/11/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	03/19/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	03/25/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	03/25/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	04/21/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	04/30/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	05/08/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	05/13/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	05/21/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	05/28/2008	DJA	0.75	MHSB
Treatment Plan Vaginal Cylinder	06/26/2008	DJA	0.75	MHSB

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Education, Training, and Experience for Proposed Authorized Medical Physicist** (continued)

b. Supervised Full-Time Medical Physics Training and Work Experience (continued)

*If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.*

Description of Training/ Experience	Location of Training/License or Permit Number of Training Facility/Medical Devices Used+	Dates of Training*	Dates of Work Experience*
Medical Physics	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to October 07	
Performing sealed source leak tests and inventories	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to October 07	
Performing decay corrections	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to October 07	
Performing full calibration and periodic spot checks of external beam treatment unit(s)			
Performing full calibration and periodic spot checks of stereotactic radiosurgery unit(s)			
Performing full calibration and periodic spot checks of remote afterloading unit(s)	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to October 07	
Conducting radiation surveys around external beam treatment unit(s), stereotactic radiosurgery unit(s), remote after loading unit(s)	Training--MHSB, South Bend, IN NRC No.: 13-18881-01/Remote Afterloader	June 07 to October 07	

Supervising Individual\*\*

**Matthew A. Meineke, Ph.D.**

License/Permit Number listing supervising individual as an authorized Medical Physicist

**MHSB NRC No.: 13-18881-01**

for the following types of use:

- Remote afterloader unit(s)       Teletherapy unit(s)       Gamma stereotactic radiosurgery unit(s)

+ Training and work experience must be conducted in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.

\* 1 year of Full-time medical physics training and 1 year of full time work experience cannot be concurrent.

\*\* If the supervising medical physicist is not an authorized medical physicist, the licensee must submit evidence that the supervising medical physicist meets the training and experience requirements in 10 CFR 35.51 and 35.59 for the types of use for which the individual is seeking authorization.

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Education, Training, and Experience for Proposed Authorized Medical Physicist (continued)**

c. Describe training provider and dates of training for each type of use for which authorization is sought.

Description of Training	Training Provider and Dates		
	Remote Afterloader	Teletherapy	Gamma Stereotactic Radiosurgery
Hands-on device operation	<b>Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to October 07 See additional attached information for this Supervisor</b>		
Safety procedures for the device use	<b>Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to October 07 See additional attached information for this Supervisor</b>		
Clinical use of the device	<b>Vendor; Supervised: GammaMed Plus HDR remote afterloader MHSB June 07 to October 07 See additional attached information for this Supervisor</b>		
Treatment planning system operation	<b>Supervised; Varian Eclipse BrachyVision MHSB June 07 to October 07 See additional attached information for this Supervisor</b>		

Supervising Individual License/Permit Number listing supervising individual as an authorized Medical Physicist  
If training is provided by Supervising Medical Physicist, (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)  
**Matthew A. Meineke, Ph.D.** **MHSB  
NRC No.: 13-18881-01**

for the following types of use:

- Remote afterloader unit(s)       Teletherapy unit(s)       Gamma stereotactic radiosurgery unit(s)

If Applicable:

Authorization Sought	Device	Training Provided By	Dates of Training
35.400 Ophthalmic Use of strontium-90			

d. Skip to and complete Part II Preceptor Attestation.

**Additional information for Joe Reese Haywood, Ph.D. with Supervisor  
Matthew A. Meineke, Ph.D.**

Facility Licenses:

**MHSB NRC No: 13-18881-01**

<b>Procedure Name</b>	<b>Date</b>	<b>Supervisor</b>	<b>Clock Hours</b>	<b>Facility</b>
Daily Warmup	06/22/2007	MM	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite AM	10/23/2007	MM	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/17/2007	MM	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Mammosite PM	09/18/2007	MM	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	09/26/2007	MM	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	10/19/2007	MM	0.5	MHSB
Radiation Survey and Patient Survey prior to and following clinical use Vaginal Cylinder	10/26/2007	MM	0.5	MHSB

**AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**PART II – PRECEPTOR ATTESTATION**

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

**First Section**

Check one of the following:

**1. Board Certification**

I attest that \_\_\_\_\_ has satisfactorily completed the requirements in  
Name of Proposed Authorized Medical Physicist  
10 CFR 35.51(a)(1) and (a)(2).

**OR**

**2. Education, Training, and Experience**

I attest that **Joe Reese Haywood, Ph.D.** has satisfactorily completed the 1-year of full-time  
Name of Proposed Authorized Medical Physicist  
training in medical physics and an additional year of full-time work experience as required by 10 CFR 35.51(b)(1).

**AND**

**Second Section**

Complete the following:

I attest that **Joe Reese Haywood, Ph.D.** has training for the types of use for which authorization  
Name of Proposed Authorized Medical Physicist  
is sought that include hands-on device operation, safety procedures, clinical use, and the operation of a treatment planning system.

**AND**

**Third Section**

Complete the following:

I attest that **Joe Reese Haywood, Ph.D.** has achieved a level of competency sufficient to  
Name of Proposed Authorized Medical Physicist  
function independently as an Authorized Medical Physicist for the following:

- 35.400 Ophthalmic use of strontium-90       35.600 Teletherapy unit(s)
- 35.600 Remote afterloader unit(s)       35.600 Gamma stereotactic radiosurgery unit(s)

**AND**

**Fourth Section**

Complete the following for preceptor attestation and signature:

I meet the requirements in 10 CFR 35.51, or equivalent Agreement State requirements for Authorized Medical Physicist for the following:

- 35.400 Ophthalmic use of strontium-90       35.600 Teletherapy unit(s)
- 35.600 Remote afterloader unit(s)       35.600 Gamma stereotactic radiosurgery unit(s)

Name of Preceptor	Signature	Telephone Number	Date
Jennifer Hann Fisher, M.S., DABR	<i>Jennifer Hann Fisher</i>	(231) 672-2008	06/22/2009
License/Permit Number/Facility Name			

