

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70 and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. Northern Shared Medical Services</p>	<p>In accordance with letters dated December 1, 2016, January 2, 2017, and January 6, 2017,</p>	<p>4. Expiration Date: November 30, 2018</p>
<p>2. 209 Limestone Pass Cottage Grove, WI 53527</p>	<p>3. License number: 48-32697-01 is amended in its entirety to read as follows:</p>	<p>5. Docket No.: 030-37826 Reference No.:</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.200</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As Needed</p> <p>9. Authorized use</p> <p>A. Any imaging and localization study permitted by 10 CFR 35.200</p>

**CONDITIONS**

10. Licensed material may be used at temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. The Radiation Safety Officer (RSO) for this license is Mike Zimmer, Ph.D.

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12. Licensed material shall only be used by, or under the supervision of:

A. Individuals permitted to work as authorized users in accordance with 10 CFR 35.13 and 10 CFR 35.14.

B. The following individuals are authorized users for the material and medical uses as indicated:

Authorized User(M.D.,D.O.,etc.)Material and Use

Christopher A. Swingle, D.O.

10 CFR 35.200.

John Baird, M.D.

10 CFR 35.200.

Barbara Tellerman, M.D.

10 CFR 35.200.

Charles M. Swaney, M.D.

10 CFR 35.200.

Terry J. Elwing, M.D.

10 CFR 35.200.

Laura J. Sievert, M.D.

10 CFR 35.200.

Maxwell Lazinger, M.D.

10 CFR 35.200.

David Perry Brummett, M.D.

10 CFR 35.200.

Chad Michael Ruble, M.D.

10 CFR 35.200.

Shawn Johnson, M.D.

10 CFR 35.200.

Richard W. Sibley, M.D.

10 CFR 35.200.

Andre Byard Stovall, M.D.

10 CFR 35.200.

Christine Anne Tremper, M.D.

10 CFR 35.200.

Scott Robert Miller, M.D.

10 CFR 35.200.

Randy W. Fields, M.D.

10 CFR 35.200.

Todd Wright, M.D.

10 CFR 35.200.

Edward F. Elliott, Jr., M.D.

10 CFR 35.200.

William D. Shidal, M.D.

10 CFR 35.200.



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Rajinder M. Gulati, M.D.

10 CFR 35.200.

Peter Wenig, M.D.

10 CFR 35.200.

Jayaprakasarao Konijeti, M.D.

10 CFR 35.200.

Srinivasarao Malyala, M.D.

10 CFR 35.200.

Robert Knudson, M.D.

10 CFR 35.200.

C. Neal, M.D.

10 CFR 35.200.

Jose A. Rodriguez, M.D.

10 CFR 35.200.

John H. Schlepphorst, M.D.

10 CFR 35.200.

David Ayoub, M.D.

10 CFR 35.200.

Mary Joelle Curry, M.D.

10 CFR 35.200.

Ryan Watson, M.D.

10 CFR 35.200.

Joseph M. Hunt, M.D.

10 CFR 35.200.

Scott Miller, M.D.

10 CFR 35.200.

Ty A. Montgomery, M.D.

10 CFR 35.200.

Jonathan R. Bielefeld, M.D.

10 CFR 35.200.

Fred McFall, M.D.

10 CFR 35.200.

Laura Dugan, M.D.

10 CFR 35.200.

David Brown, M.D.

10 CFR 35.200.

James M. Pearce, M.D.

10 CFR 35.200.

Steven L. Solomon, M.D.

10 CFR 35.200.

Lisa M. Oakley, M.D.

10 CFR 35.200.

Eric E. Beltz, M.D.

10 CFR 35.200.

John A. Morton, M.D.

10 CFR 35.200.

Brian J. Wiegel, M.D.

10 CFR 35.200.

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Vincent P. Mathews, M.D.

10 CFR 35.200.

Hong Chen, M.D.

10 CFR 35.200.

Robert S. Hellman, M.D.

10 CFR 35.200.

Arthur Z. Krasnow, M.D.

10 CFR 35.200.

Thomas P. Dresser, M.D.

10 CFR 35.200.

James P. Connors, M.D.

10 CFR 35.200.

Anil K. Malhotra, M.D.

10 CFR 35.200.

Peter John Georgis, M.D.

10 CFR 35.200.

Jong-Il Marcus Lee, M.D.

10 CFR 35.200.

Richard Dobben, M.D.

10 CFR 35.200.

Sridhar R. Mothkur, M.D.

10 CFR 35.200.

David P. Megremis, M.D.

10 CFR 35.200.

Edward Stevens, M.D.

10 CFR 35.200.

Chris Looney, M.D.

10 CFR 35.200.

Jack Bridges, M.D.

10 CFR 35.200.

Robert MacNaughton, M.D.

10 CFR 35.200.

Larry Nussbaum, M.D.

10 CFR 35.200.

Robert Newth, M.D.

10 CFR 35.200.

Marck Gates, M.D.

10 CFR 35.200.

George Pjura, M.D.

10 CFR 35.200.

Inta Berzins, M.D.

10 CFR 35.200.

Charles Garvin, M.D.

10 CFR 35.200.

Gabrial DeSimon, M.D.

10 CFR 35.200.

William Mehard, M.D.

10 CFR 35.200.



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Authorized User(M.D.,D.O.,etc.)Material and Use

Kenneth Jones, D.O.

10 CFR 35.200.

Alfred Shaplin, M.D.

10 CFR 35.200.

Smita Parikh, M.D.

10 CFR 35.200.

Raymond Murphy, D.O.

10 CFR 35.200.

Ralph Templin, D.O.

10 CFR 35.200.

Kenneth Smith, M.D.

10 CFR 35.200.

Kenneth Miller, M.D.

10 CFR 35.200.

Larry Reed, M.D.

10 CFR 35.200.

Banti Mahanta, M.D.

10 CFR 35.200.

Joel Hassien, M.D.

10 CFR 35.200.

Dennis Luetkemeyer, M.D.

10 CFR 35.200.

Sidney Belshe, M.D.

10 CFR 35.200.

Jeffrey Patrick, M.D.

10 CFR 35.200.

E. Dwain Roberts, Jr., M.D.

10 CFR 35.200.

Edwin C. Ernest, III, M.D.

10 CFR 35.200.

Andre Strzembosz, M.D.

10 CFR 35.200.

George Cyriac, M.D.

10 CFR 35.200.

James Northern, D.O.

10 CFR 35.200.

Allen Hillard, M.D.

10 CFR 35.200.

Neal Meyer, M.D.

10 CFR 35.200.

Keith Kastelic, M.D.

10 CFR 35.200.

Mark Monroe, M.D.

10 CFR 35.200.

John Merkle, M.D.

10 CFR 35.200.

Robert Seelig, M.D.

10 CFR 35.200.

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Donna Almond, D.O.

10 CFR 35.200.

Edward F. Downey, Jr., D.O.

10 CFR 35.200.

James Farkas, M.D.

10 CFR 35.200.

Rodney Hartman, M.D.

10 CFR 35.200.

Ali Khan, M.D.

10 CFR 35.200.

Chandrakant Tailor, M.D.

10 CFR 35.200.

Harry Greditzer, III, M.D.

10 CFR 35.200.

Munir Ahmad, M.D.

10 CFR 35.200.

Michael Penny, M.D.

10 CFR 35.200.

Keith L. Mullerger, M.D.

10 CFR 35.200.

Stephen Long, M.D.

10 CFR 35.200.

Robert Sonnemaker, M.D.

10 CFR 35.200.

Peter D. Arfken, M.D.

10 CFR 35.200.

Theodore P. Labus, M.D.

10 CFR 35.200.

James L. Littlefield, M.D.

10 CFR 35.200.

Mark D. Wittry, M.D.

10 CFR 35.200.

Medhat Osman, M.D.

10 CFR 35.200.

Jerold W. Wallis, M.D.

10 CFR 35.200.

Barry A. Siegel, M.D.

10 CFR 35.200.

Lagaieh Rezvani, M.D.

10 CFR 35.200.

Joy A. Johnson, M.D.

10 CFR 35.200.

Patrick J. Morello, M.D.

10 CFR 35.200.

Lawrence Lee, M.D.

10 CFR 35.200.

Steven C. Hannah, M.D.

10 CFR 35.200.



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Christine Keesling, M.D.

10 CFR 35.200.

Mary E. MacNaughton, M.D.

10 CFR 35.200.

B. Chandramouli, M.D.

10 CFR 35.200.

Aaman Hassan, M.D.

10 CFR 35.200.

Oscar Lin, M.D.

10 CFR 35.200.

Daniel L. Sexton, M.D.

10 CFR 35.200.

Elizabeth L. Huck, D.O.

10 CFR 35.200.

John J. Mathis, D.O.

10 CFR 35.200.

Donald J. Burns, M.D.

10 CFR 35.200.

John W. Dean, M.D.

10 CFR 35.200.

Richard Sanchez, M.D.

10 CFR 35.200.

Christopher J. Day, M.D.

10 CFR 35.200.

William R. Fortner, M.D.

10 CFR 35.200.

Stephen J. Regan, M.D.

10 CFR 35.200.

Edsel S. Reed, M.D.

10 CFR 35.200.

Anthony Duncan, M.D.

10 CFR 35.200.

Kelly J. Colomb, M.D.

10 CFR 35.200.

Michael Tate, M.D.

10 CFR 35.200.

Brian Worm, M.D.

10 CFR 35.200.

Kendall Goldschmidt, M.D.

10 CFR 35.200.

Craig S. Kamen, M.D.

10 CFR 35.200.

Robert Mehl, M.D.

10 CFR 35.200.

Paul E. Gandy, M.D.

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Michael F. Busch, M.D.

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Stephen R. Kunz, M.D.	10 CFR 35.200.
Kenneth M. Alfieri, M.D.	10 CFR 35.200.
Ira Cox, M.D.	10 CFR 35.200.
Timothy M. McCluse, M.D.	10 CFR 35.200.
Cindy Casey, D.O.	10 CFR 35.200.
Michael A. Wohlberg, M.D.	10 CFR 35.200.
Amy Wigand, M.D.	10 CFR 35.200.
Ralph James Tullo, M.D.	10 CFR 35.200.
James P. Anthony, M.D.	10 CFR 35.200.
Kenneth L. Koontz, M.D.	10 CFR 35.200.
Patrick M. O'Toole, M.D.	10 CFR 35.200.
Ronald R. Weis, M.D.	10 CFR 35.200.
Charles W. Horner, M.D.	10 CFR 35.200.
David J. Burkart, M.D.	10 CFR 35.200.
J.J. Goetz, M.D.	10 CFR 35.200.
James R. Bergh, M.D.	10 CFR 35.200.
Michael M. Moss, M.D.	10 CFR 35.200.
Garry Malnar, D.O.	10 CFR 35.200.
Sidney D. Machefsky, M.D.	10 CFR 35.200.
Scott C. St. Amour, M.D.	10 CFR 35.200.
Jonathan D. Root, M.D.	10 CFR 35.200.
Jonas Singer, M.D.	10 CFR 35.200.
Daniel T. Cohen, M.D.	10 CFR 35.200.
Arti Raj, M.D.	10 CFR 35.200.



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Scott M. Simpson, M.D.

10 CFR 35.200.

Daniel J. Daunhauer, M.D.

10 CFR 35.200.

Michael J. Malnofski, M.D.

10 CFR 35.200.

Carl W. Meyer, M.D.

10 CFR 35.200.

Nathan Strabala, M.D.

10 CFR 35.200.

Alicia Fazzaro, M.D.

10 CFR 35.200.

Edward R. Bartley, M.D.

10 CFR 35.200.

Steven A. Fritsch, M.D.

10 CFR 35.200.

Homer F. Beltz, M.D.

10 CFR 35.200.

Charles A. Lerner, M.D.

10 CFR 35.200.

Michael S. Skulski, M.D.

10 CFR 35.200.

Ryan N. Sauer, M.D.

10 CFR 35.200.

Kavita K. Erickson, M.D.

10 CFR 35.200.

Barbara Taylor, M.D.

10 CFR 35.200.

John J. Waddell, M.D.

10 CFR 35.200.

Madhu Kiran Kancharla, M.D.

10 CFR 35.200.

Manoj K. Eapen, M.D.

10 CFR 35.200.

Michael Thomas, M.D.

10 CFR 35.200.

Razi Muzaffar, D.O.

10 CFR 35.200.

James A. Junker, M.D.

10 CFR 35.200.

Jeffery A. Hardy, M.D.

10 CFR 35.200.

Paula M. Leiva, M.D.

10 CFR 35.200.

Lynn N. Carlton, M.D.

10 CFR 35.200.

Paul W. Hargan, M.D.

10 CFR 35.200.

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David Kurlander, M.D.	10 CFR 35.200.
John A. Morton, M.D.	10 CFR 35.200.
Brian J. Wiegel, M.D.	10 CFR 35.200.
Jason A. Arthur, M.D.	10 CFR 35.200.
Robert J. Forbes, M.D.	10 CFR 35.200.
Annabel Galva, M.D.	10 CFR 35.200.
Douglas R. Lake, M.D.	10 CFR 35.200.
Ladd Daniel Lake, M.D.	10 CFR 35.200.
Douglas Francis Niemann, M.D.	10 CFR 35.200.
James F. Smith, M.D.	10 CFR 35.200.
Rajkumar Yarlagadda, M.D.	10 CFR 35.200.
James P. Conners, III, M.D.	10 CFR 35.200.
Enrique Bursztyn, M.D.	10 CFR 35.200.
Joseph B. Lee, D.O.	10 CFR 35.200.
Noel G. Dias, M.D.	10 CFR 35.200.
Jose F. Alvarez, M.D.	10 CFR 35.200.
David H. Roehrs, M.D.	10 CFR 35.200.
Joshua David Valtos, M.D.	10 CFR 35.200.
James C. Clouse, D.O.	10 CFR 35.200.
Timothy Blackburn, M.D.	10 CFR 35.200.
Michael A. Gilbert, D.O.	10 CFR 35.200.
G. David Runyon, D.O.	10 CFR 35.200.
Austin L. Jones, D.O.	10 CFR 35.200.
David Peterson, M.D.	10 CFR 35.200.



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Authorized User(M.D.,D.O.,etc.)Material and Use

Gregory D. Taylor, M.D.	10 CFR 35.200.
Douglas W. Hughes, M.D.	10 CFR 35.200.
Anjum Shariff, M.D.	10 CFR 35.200.
Jan Aaron, M.D.	10 CFR 35.200.
Scott Brian Babin, M.D.	10 CFR 35.200.
Sean M. Ladson, M.D.	10 CFR 35.200.
Thomas F. Lee, M.D.	10 CFR 35.200.
Joseph C. Capito, M.D.	10 CFR 35.200.
James Patrizi, M.D.	10 CFR 35.200.
Vincent P. Almario, Jr., M.D.	10 CFR 35.200.
Jonathan Kahn, M.D.	10 CFR 35.200.
Timothy L. Davis, M.D.	10 CFR 35.200.
Marc P. Underhill, M.D.	10 CFR 35.200.
Vincent L. Flanders, M.D.	10 CFR 35.200.
Michael J. Flood, M.D.	10 CFR 35.200.
Joseph Mulholland, M.D.	10 CFR 35.200.
Ardita Tali, M.D.	10 CFR 35.200.
Steven R. Klepac, M.D.	10 CFR 35.200.
Matthew J. Rose, M.D.	10 CFR 35.200.
Do Hee Kim, M.D.	10 CFR 35.200.
Aileen L. Green, M.D., Ph.D.	10 CFR 35.200.
James R. Bognanno, M.D.	10 CFR 35.200.
Dennis Lee Myers, M.D.	10 CFR 35.200.
Justin P. Chang, M.D.	10 CFR 35.200.

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Docket or Reference Number  
030-37826Authorized User(M.D.,D.O.,etc.)

Robert R. Hasson, M.D.

Rodrigo I. Lopez-Costa, M.D.

Material and Use

10 CFR 35.200.

10 CFR 35.200.

13. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated May 14, 2008 (ML08140070)
- B. Letter dated June 23, 2011 (ML111751677)
- C. Facsimile dated August 25, 2008 (ML083300622)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: February 9, 2017By: Frank P. D. TranFrank P. D. Tran  
Region III