U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 40

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.

Licensee	In accordance with letters dated April 1, 2015 and May 6, 2015
1. DMS Health Technologies	3. License number 40-32477-01 is amended in its entirety to read as follows:
2. 109 South Petro Avenue Sioux Falls, South Dakota 57107	4. Expiration date April 30, 2022
	5. Docket No. 030-36404 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 31.11	C. Prepackaged kits	C. 30 millicuries total
D. Cesium-137	D. Sealed source (QSA Global, Inc., Model 77302)	D. 200 millicuries per source and 200 millicuries total

9. Authorized use:

A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.

B. Any imaging and localization study permitted by 10 CFR 35.200.

C. In vitro studies.

D. For use in a Technical Operations, Inc. Model 773 calibrator for training and calibration of licensee's survey meters and personnel dosimeters.

CONDITIONS

10. A. Licensed material may be received, stored, and dispatched from the licensee's facilities located at:

(i) 109 South Petro Avenue, Sioux Falls, South Dakota
(ii) 305 7th Avenue SE., Watertown, South Dakota

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
40-32477-01

Docket or Reference Number
030-36404

Amendment No. 40

B. Licensed material may be received by licensee personnel only, used, and stored at the following fixed facilities located at:

(i) 109 South Petro Avenue, Sioux Falls, South Dakota

C. Licensed material (excluding Item 6.D.) may be received, stored and 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 for this license is Michelle White.

12. Licensed material is only authorized for use by, or under the supervision of:

A. Individuals permitted to work as an authorized user and/or authorized nuclear pharmacist in accordance with 10 CFR 35.13 and 35.14.

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

Authorized Users	Material and Use
Hemant D. Chheda, M.D.	35.100; 35.200 except generators and reagent kits; Cs-137
John Dahlin, M.D.	35.100; 35.200; Cs-137
Marilin F. Espino-Maya, M.D.	35.100; 35.200 except generators and reagent kits; Cs-137
Mark Farnham, M.D.	35.100; 35.200; Cs-137
Christopher D. Fischer, M.D.	35.100; 35.200; 31.11; Cs-137
David J. Germain, M.D.	35.100; 35.200 except generators and reagent kits; Cs-137
Arthur Greene, M.D.	35.100; 35.200; Cs-137
K. John Heilman, M.D.	35.100; 35.200; Cs-137
Paul S. Jones, M.D.	35.100; 35.200; Cs-137
Orvar T. Jonsson, M.D.	35.200; Cs-137
Jihad M. Khalil, M.D.	35.200; Cs-137
William Koury, M.D.	35.100; 35.200; Cs-137

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
40-32477-01

Docket or Reference Number
030-36404

Amendment No. 40

Authorized Users	Material and Use
Fred Clinton Lovrien, M.D.	35.100; 35.200; 31.11; Cs-137
Barry Scott Monfore, M.D.	35.100; 35.200; Cs-137
Leelakrishna Nallamshetty, M.D.	35.100; 35.200 except generators and reagent kits; Cs-137
Marian S. Petrasko, M.D.	35.200; Cs-137
Dean K. Rigby, M.D.	35.100; 35.200; Cs-137
Paul R. Rust, M.D.	35.100; 35.200; Cs-137
Larry S. Sidaway, M.D.	35.100; 35.200; Cs-137
Amolak Singh, M.D.	35.100; 35.200; Cs-137
Adams T. Stys, M.D.	35.100; 35.200; Cs-137
Tomasz P. Stys, M.D.	35.100; 35.200; Cs-137
Steven J. Taggart, M.D.	35.100; 35.200; Cs-137
Arliss N. Thompson, M.D.	35.100; 35.200; 31.11; Cs-137
Enrique J. Urrutia, M.D.	35.100; 35.200 except generators and reagent kits; Cs-137
James Spaulding Walder, M.D.	35.200; Cs-137
David Lawrence Wells, M.D.	35.100; 35.200; Cs-137
Peter Wenig, M.D.	35.100; 35.200; Cs-137
Paul M. Williams, D.O.	35.100; 35.200; Cs-137
John K. Williams, M.D.	35.100; 35.200; Cs-137
Barry A. Gubin, M.D.	35.100; 35.200; Cs-137
Frank Yuppa, M.D.	35.100; 35.200; Cs-137
Robert C. Newth, M.D.	35.100; 35.200; Cs-137
Robert A. MacNaughton, II, M.D.	35.100; 35.200; Cs-137
Larry Nussbaum, M.D.	35.100; 35.200; Cs-137
Christine Keesling, M.D.	35.100; 35.200; Cs-137
James Algeo, Jr., M.D.	35.100; 35.200; Cs-137
Phillip Wayne Durand, D.O.	35.100; 35.200; Cs-137
John Harding Bartow II, D.O.	35.200
Anthony Lee Wheeler, M.D.	35.200
Barry G. Brotman, M.D.	35.100; 35.200
Frederick M. Smeltzer, M.D.	35.100; 35.200
Roger A. Francis, M.D.	35.100; 35.200
John Dymond, M.D.	35.100; 35.200

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
40-32477-01

Docket or Reference Number
030-36404

Amendment No. 40

Authorized Users	Material and Use
Michael Joseph Vierra, M.D.	35.100; 35.200
Zubair Khan, M.D.	35.100; 35.200
Vijay Viswanathan, M.D.	35.100; 35.200
Timothy McDermott, M.D.	35.200
Rafe Heng, M.D.	35.100; 35.200
Steven Krause, D.O.	35.100; 35.200
Thomas J. Posch, M.D.	35.100; 35.200; 31.11
David A. Swanson, M.D.	35.100; 35.200

13. For sealed sources not associated with 10 CFR Part 35 use, the following conditions apply:

A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.

B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

C. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.

E. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
40-32477-01

Docket or Reference Number
030-36404

Amendment No. 40

F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 1600 East Lamar Boulevard, Arlington, Texas 76011-4511, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken.

G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.

14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

16. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing financial assurance for decommissioning.

17. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
40-32477-01

Docket or Reference Number
030-36404

Amendment No. 40

18. 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 October 12, 2011 (ML11300A262)
B. Letter dated February 7, 2012 (ML12058A526)
C. Letter dated April 10, 2012 (ML12109A197)
D. Letter dated November 19, 2012 (ML12338A226)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: June 18, 2015

By: **/RA/**

Roberto J. Torres, M.S., Senior Health Physicist
Nuclear Materials Safety Branch B
Region IV
Arlington, Texas 76011-4511