ACCEPTANCE REVIEW MEMO (ARM)

Licensee: DMS Imaging, Inc. **License No.:** 40-32477-01

Docket No.: 030-36404 **Mail Control No.:** 471465

Type of Action: Amend **Date of Requested Action:** 8-10-07

Reviewer Assigned: **ARM reviewer(s):** Rachel

Response	Deficiencies Noted During Acceptance Review
	[ ] Open ended possession limits. Limit possession. Submit inventory. [ ] Submit copies of most recent leak test results. [ ] Add - delete IC license condition. Add IC paragraph in cover letter. [ ] Split license from cover letter. Add SUNSI marking to license. [ ] Ask the licensee if they have any type-amount of EPAct Material.
	No Deficiencies Noted.

Reviewer's Initials: RSBrowder **Date:** 8/21/07

☐Yes ☐No Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.

☐Yes ☐No Decommissioning notification should be completed within 30 days.

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

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

☐Yes ☐No TAR needed to complete action.

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

SUNSI Screening according to RIS 2005-31

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

General guidance:

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

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

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

Branch Chief's and/or HP's Initials: BB **Date:** 8/21/07

ML072270059

Pre-Licensing Screening

Applicant Information: **Control No.** 471465

Name: DMS Imaging, Inc.	Type of Request: Amend Program Code(s):
Location: SD	License No.: 40-32477-01 Docket No.: 030-36404

STEP 1–Radioactive Materials and Quantities Requested:

Instructions for Step 1: **Complete Step 1 for all applications**. If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.	Yes or No
A. The request is from a new applicant.	No
B. NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.	No
C. The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer	No

Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

Radionuclide	Risk Significant Quantity (TBq[1])	Risk Significant Quantity (Ci[1])	Radionuclide	Risk Significant Quantity (TBq[1])	Risk Significant Quantity (Ci[1])
Am-241	0.6	16	Pm-147	400	11,000
Am-241/Be	0.6	16	Pu-238	0.6	16
Cf-252	0.2	5.4	Pu-239/Be	0.6	16
Cm-244	0.5	14	Ra-226[2]	0.4	11
Co-60	0.3	8.1	Se-75	2	54
Cs-137	1	27	Sr-90 (Y-90)	10	270
Gd-153	10	270	Tm-170	200	5,400
Ir-192	0.8	22	Yb-169	3	81

[1] The primary values are TBq. The curie (Ci) values are for informational purposes only.
[2] The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. **NOTE–If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).**	Yes , No, or Not Applicable (NA)
Total Activity–multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide	
Unity Rule--multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g.,[(total activity for radionuclide A) ÷ (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) ÷ (risk significant quantity for radionuclide B)] ≥ 1.0.	

Signature and Date for Step 1:

Rachel S. Browder 8/21/07

License Reviewer and Date

dms IMAGING®

A member of the dms health group

FAX Cover Sheet

To:	Colleen Murnahan	**From:**	Traci Hollingshead
Fax:	817-860-8263	**Fax:**	605-338-5887
Pages:	1	**Phone:**	605-330-9060
Re:	NRC license number 40-32477-01	**Date:**	August 17, 2007

Message:

DMS submitted an amendment request to change the Radiation Safety Officer on our radioactive material license number 40-32477-01. The letter was dated August 10, 2007. We would like to ask that you expedite this amendment request. I have asked to be removed as Radiation Safety Officer for DMS Imaging so I wish to make the change effective as soon as possible.

Thank you,
Traci

Corporate Office
2101 North University Drive • Fargo, ND 58102

dms HEALTH GROUP

2101 N. University Drive
Fargo, ND 58102
Phone: 701-237-9073
800-437-4628
Fax: 800-848-0990
www.dmshg.com

Radiation Safety Officer Delegation of Authority

Michelle White has been appointed Corporate Radiation Safety Officer and as such accepts the responsibility for ensuring the safe use of radioactive material. The Corporate Radiation Safety Officer is also responsible for managing the radiation safety program and ensuring compliance with regulations. Michelle White is hereby delegated the authority necessary to meet these responsibilities.

I also grant Ms. White the authorization to be the main contact person for all radioactive material licensing and regulatory issues. She has the authority to make commitments, amendments, etc. on behalf of the DMS Health Group.

Paul Wilson, CEO — Date: 8/9/07

Michelle White — Date: 8/10/07

Michelle White, Corporate Radiation Safety Officer

dms IMAGING
A member of the dms health group

Operations office:
109 S. Petro Avenue
Sioux Falls, SD 57107
Phone: 605-330-9060
800-333-0365
Fax: 877-595-8108

Corporate office:
2101 N. University Drive
Fargo, ND 58102
Phone: 701-237-9073
800-437-4628
Fax: 800-848-0990

www.dmshg.com

RECEIVED
AUG 14 2007
DNMS

August 10, 2007

Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

To Whom It May Concern:

Please amend license condition 11 of NRC license number 40-32477-01. We wish to remove Traci Hollingshead as Radiation Safety Officer and name Michelle White as the replacement. Attached is the delegation of authority form and NRC form 313A Radiation Safety Officer Training and Experience and Preceptor Attestation form for Michelle White.

If you have any questions or need additional information please contact me at (605) 357-2609.

Sincerely,

Douglas Holmberg
Regional Vice President
DMS Imaging, Inc.

NRC FORM 313A (RSO)
(2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]

APPROVED BY OMB: NO. 3150-0120
EXPIRES: 10/31/2008

Name of Proposed Radiation Safety Officer

Michelle White

Requested Authorization(s) *The license authorizes the following medical uses (check all that apply)*:

☒ 35.100 ☒ 35.200 ☐ 35.300 ☐ 35.400 ☐ 35.500 ☐ 35.600 (remote afterloader)

☐ 35.600 (teletherapy) ☐ 35.600 (gamma stereotactic radiosurgery) ☐ 35.1000 ( )

x 31.11 prepackaged kits x 137Cs technical operations sealed sourc

PART I -- TRAINING AND EXPERIENCE
(Select one of the four 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. Use Table 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

c. Skip to and complete Part II Preceptor Attestation.

OR

☐ **2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above**

a. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for the additional types of medical use for which recognition as RSO is sought.

b. Skip to and complete Part II Preceptor Attestation.

OR

☒ **3. Structured Educational Program for Proposed Radiation Safety Officer**

a. Classroom and Laboratory Training

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation GE Medical 18.5 7/18 2002	Engelhardt & Associates Cardinal Health Southeast Technical Institute	2.5 1 126	1/30-2/1 2006 10/29/2005 1992
Radiation protection 3 2/20/2006 Edumed Corporation Southeast TI 90 1992	Engelhardt & Associates Kansas Radiation Control FedEx Corporate Safety	4.5 7 12	1/30-2/1 2006 12/6-12/7 2006 9/22 2006
Mathematics pertaining to the use and measurement of radioactivity	Engelhardt & Associates Southeast TI	4.5 216	1/30-2/1 2006 1992
Radiation biology	Engelhardt & Associates American Society of Radiologic Southeast TI	1 6 54	1/30-2/1 2006 2/5/ 2002 1992
Radiation dosimetry	Engelhardt & Associates FedEx Corporate Safety Southeast TI	1 3 54	1/30-2/1 2006 9/22 2006 1992
Total Hours of Training: 613			

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. **Structured Educational Program for Proposed Radiation Safety Officer** (continued)

b. Supervised Radiation Safety Experience
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Training/ License or Permit Number of Facility	Dates of Training*
Shipping, receiving, and performing related radiation surveys	NRC License #40-3247701	3/2005 - current
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	NRC License #40-3247701	3/2005 - current
Securing and controlling byproduct material	NRC License #40-3247701	3/2005 - current
Using administrative controls to avoid mistakes in administration of byproduct material	NRC License #40-3247701	3/2005 - current
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	NRC License #40-3247701	3/2005 - current
Using emergency procedures to control byproduct material	NRC License #40-3247701	3/2005 - current
Disposing of byproduct material	NRC License #40-3247701	3/2005 - current
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ 35.100 35.200 31.11 137 Cs technical operations source	NRC License #40-3247701	3/2005 - current

\+ Choose all applicable sections of 10 CFR Part 35 to describe radioisotopes and quantities used: 35.100, 35.200, 35.300, 35.400, 35.500, 35.600 remote afterloader units, 35.600 teletherapy units, 35.600 gamma stereotactic radiosurgery units, emerging technologies (provide list of devices).

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience (continued)

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervising Individual	License/Permit Number listing supervising individual as a Radiation Safety Officer
Traci Hollingshead	NRC License #40-32477-01

This license authorizes the following medical uses:

- [x] 35.100
- [x] 35.200
- [ ] 35.300
- [ ] 35.400
- [ ] 35.500
- [ ] 35.600 (remote afterloader)
- [ ] 35.600 (teletherapy)
- [ ] 35.600 (gamma stereotactic radiosurgery)
- [ ] 35.1000 ( )

x 31.11 prepackaged kits x 137 Cs technical operations sealed sou

c. Describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

Description of Training	Training Provided By	Dates of Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.500 uses	Training under supervision of Traci Hollingshead - Michelle White worked as Radiation Safety Compliance Auditor during this	3/2005 - current time.
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	N/A	---
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	N/A	---
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	N/A	---
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	N/A	---
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	N/A	___
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	N/A	___

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

c. Training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license (continued)

Supervising Individual *If training was provided by supervising RSO, AU, AMP, or ANP. (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)*	License/Permit Number listing supervising individual
Traci Hollingshead	NRC License #40-32477-01

License/Permit lists supervising individual as:

☒ Radiation Safety Officer ☐ Authorized User ☐ Authorized Nuclear Pharmacist
☐ Authorized Medical Physicist

Authorized as RSO, AU, ANP, or AMP for the following medical uses:

☒ 35.100 ☒ 35.200 ☐ 35.300 ☐ 35.400
☐ 35.500 ☐ 35.600 (remote afterloader) ☐ 35.600 (teletherapy)
☐ 35.600 (gamma stereotactic radiosurgery) ☐ 35.1000 ( )
x 31.11 Prepackaged kits x 137 Cs technical operations sealed so

d. Skip to and complete Part II Preceptor Attestation.

OR

☐ **4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license**

a. Provide license number.

b. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

c. Skip to and complete Part II Preceptor Attestation.

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 Radiation Safety Officer

10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) and (a)(2)(ii); or 35.50(c)(1).

OR

☒ **2. Structured Educational Program for Proposed Radiation Safety Officers**

☒ I attest that Michelle White has satisfactorily completed a structural educational
Name of Proposed Radiation Safety Officer

program consisting of both 200 hours of classroom and laboratory training and one year of full-time radiation safety experience as required by 10 CFR 35.50(b)(1).

OR

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Preceptor Attestation (continued)

First Section (continued)
Check one of the following:

☐ **3. Additional Authorization as Radiation Safety Officer**

☐ I attest that _____ is an
Name of Proposed Radiation Safety Officer

☐ Authorized User ☐ Authorized Nuclear Pharmacist

☐ Authorized Medical Physicist

identified on the Licensees license and has experience with the radiation safety aspects of similar type of use of byproduct material for which the individual has Radiation Safety Officer responsibilities

---

AND

Second Section
Complete for all ***(check all that apply)*****:**

☒ I attest that Michelle White has training in the radiation safety, regulatory issues, and
Name of ProposedRadiation Safety Officer

emergency procedures for the following types of use:

☒ 35.100

☒ 35.200

☐ 35.300 oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required

☐ 35.300 oral administration of greater than 33 millicuries of sodium iodide I-131

☐ 35.300 parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

☐ 35.300 parenteral administration of any other radionuclide for which a written directive is required

☐ 35.400

☐ 35.500

☐ 35.600 remote afterloader units

☐ 35.600 teletherapy units

☐ 35.600 gamma stereotactic radiosurgery units

☐ 35.1000 emerging technologies, including:

x 35.11 ~~prepackaged kits~~
x ~~137 Cs technical operations~~ sealed source

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

AND

Third Section
Complete for ALL

☒ I attest that Michelle White has achieved a level of radiation safety knowledge
Name of Proposed Radiation Safety Officer

sufficient to function independently as a Radiation Safety Officer for a medical use licensee.

Fourth Section
Complete the following for Preceptor Attestation and signature

I am the Radiation Safety Officer for DMS Imaging, Inc.
Name of Facility

License/Permit Number: 40-32477-01

Name of Preceptor	Signature	Telephone Number	Date
Traci Hollingshead	Traci Hollingshead	605-330-9060	8-9-07

Certificate of Completion

awarded to

Michelle White

for participation in

Radiation Safety Seminar

January 30 - February 1, 2006 - Las Vegas

presented by Engelhardt & Associates, Inc.

Susan J. Engelhardt, M.S.

Ralph Grunewald, Ph.D.

Joshua Walkowicz, M.S., CHP

Judith Grunewald, R.N., M.S.

16.5 SNMTS CEH's

Breakdown of Radiation Seminar by Engelhardt + Associates
Jan 30, Jan 31, Feb 1 (2006)

Day One	Description	Objectives	Trainer(s)
07:30 – 8:00 a.m.	Continental Breakfast	Not Applicable (NA)	
08:00 – 08:10	Seminar Objectives/Overview	Explain seminar objectives and meet trainers.	Sue Engelhardt
08:10 – 08:30	Radiation and Its Uses (Chapter 1) • Ionizing radiation and radioactive decay • Contemporary applications	Relate the basic properties of ionizing radiation. List common applications of ionizing radiation in industry, research and medicine.	Sue
08:30 – 08:50	Regulatory Agencies and Licensing (Chapter 2) • Where regulatory standards come from • NRC vs. Agreement States • Other agencies (e.g., OSHA, FDA, EPA, DOT)	Relate how the NRC regulations are developed. Define difference between Agreement vs. Non-Agreement states. Recognize how other agencies regulate radiation.	Sue
08:50 – 09:00	Break	NA	
09:00 – 10:30	Radiation Physics (Chapter 5) • Atomic composition, structure, and terms • Radioactive decay and half-life • Properties of common decay products • Radioactive decay modes and schemes • Interactions with matter	Relate the basic atomic structure and common terms. Define half-life and radioactive decay. Describe basic properties of alpha, beta, x-ray, & gamma. Recognize the basic radioactive decay modes and emission characteristics. Compare interaction mechanisms (directly vs. indirectly ionizing).	Ralph Grunewald
10:30 – 11:30	Group Sessions	See Performance Objectives for Group	All
11:30 – 12:30 p.m.	Lunch	NA	
12:30 – 01:00	Radiation Units (Chapter 6) • Exposure units • Dose and dose equivalent units • Energy transfer (LET, QF)	Identify the difference between exposure and dose. Relate the traditional and SI units for exposure (R C/kg), dose (rad, Gy), and dose equivalent (rem, Sv). Examine linear energy transfer and quality factors as these pertain to biological effectiveness.	Josh
01:00 – 01:20	Common Sources of Radiation (Chapter 6) • Naturally occurring • Medical	Relate typical levels of radiation from common sources.	Sue

Day One (continued)	Description	Objectives	Trainer(s)
01:20 – 01:30	Break	NA	
01:30 – 02:20	Regulatory Dose Limits and Radiation Dosimetry (Chapter 7) • Dose limits (public vs. occupational) • Types of dosimeters; how they work • Personnel monitoring requirements • Dosimetry reporting requirements	Identify the regulatory dose limits for radiation workers, the embryo/fetus of a declared pregnant woman, and members of the public. Explain types of personnel dosimeters and their limitations. Relate monitoring and reporting requirements.	Josh Walkowicz
02:20 – 02:30	Break	NA	
02:30 – 03:00	Radiation Biology (Chapter 9) • Cellular, tissue, and systemic effects • Delayed effects, early somatic effects • Acute radiation syndrome • Hormesis, threshold vs. non-threshold	Describe the biological effects of radiation and the dose levels where these effects occur. Contrast perceived vs. real risk.	Sue
03:00 – 04:00	Group Sessions	See Performance Objectives for Group	All

Day Two	Description	Objectives	Trainer(s)
07:30 – 08:00 a.m.	Continental Breakfast	NA	
08:00 – 09:40 (10 min. break)	Radiation Detection and Measurement (Chapter 10) • Types of equipment • Appropriate uses • Demonstration of equipment • Self-reading dosimeters	Describe how to select and operate equipment for the different types of radiation. Identify the basic design principles of various detectors.	Ralph
09:40 – 09:50	Break	NA	
09:50 – 10:40	Radiation Protection (Chapter 11) • ALARA • Methods for protection • Posting and labeling requirements	Explain what ALARA is and how to implement. Describe methods used for radiation protection (e.g., time, distance, shielding, contamination control). Apply inverse square law. Recognize when and where to post signs and apply labels.	Sue

Day Two (continued)	Description	Objectives	Trainer(s)
10:40 – 11:30	Group Sessions	See Performance Objectives for Group	All
11:30 – 12:30 p.m.	Lunch	NA	
12:30 – 01:30	Radiation Incidents and Emergency Response (Chapter 13) • Types (gauge, medical, academic) • Procedures • Source leakage, loss • Emergency personnel as responders • Performance based training • Interactions with public, media, and employees	Define the RSO's role in planning for and preventing accidents. Examine key components of an emergency plan.	Judy Grunewald
01:30 – 01:40	Break	NA	
01:40 – 02:30	Radiation Protection Programs (Chapter 3) • Written programs • Key elements (e.g., RSO/RSC, facility design, PPE, procedures, records, audits) • Annual reviews	Examine key elements of an effective radiation protection program. Assess record keeping requirements.	Josh
02:30 – 02:40	Break	NA	
02:40 – 03:00	Responsibilities for Radiation Protection (Chapter 16) • Who is responsible • Legal issues	Relate various responsibilities for radiation protection and regulatory compliance.	Sue
03:00 – 04:00	Group Sessions	See Performance Objectives for Group	All

Day Three	Description	Objectives	Trainer(s)
07:30 – 08:00 a.m.	Continental Breakfast	NA	
08:00 – 08:40	Packaging, Transport, and Receipt of Radioactive Materials (Chapter 15) • Shipper's responsibilities • Transportation regulations (NRC, DOT, IATA) • Classification and packaging • Transport on public roads • Receipt of radioactive materials	Define shipper's responsibilities and regulations affecting radioactive materials transportation. Describe basic packaging, marking, and labeling provisions for limited and Type A quantities. Describe DOT provisions for employee training and transport on public roads. Relate procedures for safe receipt of packages.	Josh
08:40 – 08:50	Break	NA	
08:50 – 09:40	NRC Regulations (Chapter 2) • Part 19, Notices, Instructions to Workers • Part 20, Radiation Protection Standards • Parts 30-35, license types and provisions • Special requirements (gauges and licenses)	Identify critical provisions of Part 19 and 20 worker information and protection standards. Identify NRC license and registration requirements (e.g., exempt, general, specific). Interpret basic provisions for specific license categories (e.g., manufacture, broad scope, radiography, medical use, irradiators).	Josh
09:40 – 09:50	Break	NA	
09:50 – 10:30	Regulatory Inspections (Chapter 17) • How to prepare for NRC/state inspections • How to deal with inspectors • What to do if the inspection is going badly • What to do if called for an enforcement conference • Interactions with the public and media	Relate the inspection process. Explain how to prepare for and respond to enforcement activities. Define the NRC's media notification criteria. Define key aspects of communicating with the public and media.	Sue
10:30 – 11:20	Group Sessions – Key aspects for writing a license • New, renewal, & amendment applications • Content, fees Reportable incident scenarios • When to/not to report an incident • Interactions with the public and media	Identify references available for assistance when writing a license (e.g., NRC Regulatory Guides). Identify key aspects (do's, don'ts) for writing a license. Discuss incident scenarios and Identify NRC requirements for reporting incidents and misadministrations (medical).	All
11:20 – 12:00	Group Sessions – Examination	Complete exam and score 85% or better.	All

TiP™

Training Choices

GE Medical Systems Certifies

MICHELLE WHITE

has satisfactorily completed

and has been awarded **18.5** *Continuing Education credits as designated by*

PET ADVANCE NXI SCANNER

JULY 18, 2002	SNM-017129
DATE	REFERENCE NUMBER
PETER HUGHES	
GE REPRESENTATIVE	PARTICIPANT SOCIAL SECURITY NUMBER

GE Medical Systems
Training in Partnership

Please retain this certificate for your own personal record of continuing education. Certificate may be replaced only by GE Medical Systems TiP Applications if damaged or lost.
Rev.0 4/01 Printed in USA

snmts
advancing molecular imaging

Society of Nuclear Medicine Technologist Section

Continuing Education Credit Certificate

Cardinal Health

Certifies

Michelle White
Participant

has satisfactorily completed

Basic Positron Physics and Radiation
on **October 29, 2005**
at **Club House Hotel and Suites**
in **Sioux Falls South Dakota**

and has earned 1.0 CEH(s)

SNMTS VOICE Reference Number(s) 023727

10-29-05
Date Completed

Kelly Williams
Signature of Authorized Representative or Sponsor

SNM Member ID # ___ ___ ___ ___ ___ ___

IOWA DEPT OF PUBLIC HEALTH
BUREAU OF RADIOLOGICAL HEALTH
LUCAS STATE OFFICE BLDG, 5TH FL
DES MOINES, IA 50319

Kelly Williams Approved [X]

Omaha NE 68112

Course number: 05-0524-0000 ("SP" denotes "special category." Techs are limited to 6.0 (general) or 3.0 (limited) hours of "SP" each 2-years period.)

Course title: Basic positron physics and radiation

Course instructor: Williams/Kanne ASRT #

Location: Sioux Falls, SD

Date given: 10/29/2005 Other dates given

CE hours approved: General X-ray 1 Nuclear Medicine

Mammo authorization Radiation Therapy

Limited in Chest Stereo authorization

Limited in Extremities Limited in chest/extremit

Limited in Spines

Limited in (Other) _____

ease note: credit cannot be given for attending a course that is limited
something other than what is specified on a permit to practice.

*****Please submit an attendance list with 15 days of the date of the program every time the program is given. *********

ease note: This approval expires 09/01/10 . Please resubmit the
ogram for reapproval 30 days before this date if the program is
be used after this date.

C Craig 9-19-05
arlene Craig, Health Phys. Date

nald A. Flater, Chief
reau of Radiological Health

Questions: Charlene Craig 515/281-0415
Paul Koehn 515/281-0425

FedEx Express

Certificate of Participation

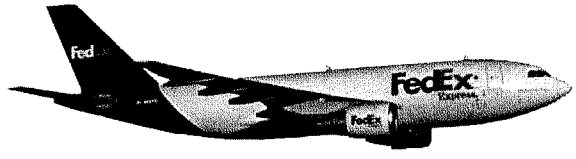
Radioactive Materials Seminar

Michelle White

Attendee

September 22, 2006

Date



Pat Oppenheimer
Manager
Dangerous Goods Administration
FedEx Express Corporate Safety

Roy A. Parker, Ph.D.

Instructor
Dangerous Goods Administration
3670 Hacks Cross Road
Memphis, TN 38125

KDHE Radiation Control Program

Certifies

Michelle White

has satisfactorily completed the following sessions of the Kansas Radiation Control Program Workshop 2006

General Session Day 1	KSD0126001 - Regulatory Changes Overview (1.5) KSD0126002 - Standards for Protection Against Radiation (1) KSD0126010 - ALARA (1)
General Session Day 2	KSD0126009 - Upcoming Regulatory Changes (1) Board of Healing Arts
Medical Breakout Day 1	KSD0126004 - X-rays in the Healing Arts (1) KSD0126006 - CT/PET (1) KSD0126008 - Hospital Response to Radiological Emergencies (1.5)
Medical Breakout Day2	KSD0126016 - Use of Radioactive Material in the Healing Arts (1) KSD0126019 - Therapeutic Radiation Machines (1) KSD0126022 - Radiation Protection in Dentistry (1) Lessons Learned - Common Violations and Best Practices KSD0126013 - Security Requirements

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The above courses with ASRT ID numbers have been approved by the ASRT Department of Education
The number of credits are listed in parenthesis

Date December 6 and 7, 2006

Signature of Authorized Representative

OPERATOR CERTIFICATION

Hologic X-ray Bone Densitometer

for

Michelle White CNMT
operator

4500C
system

February 5, 2002
course date

This is to certify this operator has attended manufacturer training on how to safely use system software andhardware functions, perform quality control, and how to properly position and scan patients.

This course has been approved for Category (A) Credits by the American Society of Radiologic Technologists (ASRT). You have been granted Category (A) Credits based on your time participation.

HOLOGIC®
35 Crosby Drive
Bedford, MA 01730

Merryl Hook
Certified By

February 5, 2002
Date

MAZ0089002 (6)
Reference # hours

Southeast Technical Institute

Name : Michelle K. White

Address :

Undergraduate Division

Course Number	Title	Gra	Rpt	Att	Ernd	HGpa	Q.Pts	GPA
1975-1976 School Year : Fall Quarter								
Organization : Mount Marty College								
SOC 100	PRINC.& PROBLEM	CR		4.00	4.00	0.00	0.00	
		Term Totals :		**4.00**	**4.00**	**0.00**	**0.00**	**0.0000**
		Career Totals :		**4.00**	**4.00**	**0.00**	**0.00**	**0.0000**
1975-1976 School Year : Spring Quarter								
Organization : Mount Marty College								
CHM 112	GEN. CHEMISTRY	CR		4.00	4.00	0.00	0.00	
ENG 100	COMPOSITION ART	CR		4.00	4.00	0.00	0.00	
SOC 101	PSYCHOLOGY/INTR	CR		4.00	4.00	0.00	0.00	
		Term Totals :		**12.00**	**12.00**	**0.00**	**0.00**	**0.0000**
		Career Totals :		**16.00**	**16.00**	**0.00**	**0.00**	**0.0000**
1976-1977 School Year : Fall Quarter								
Organization : Mount Marty College								
BIO 203	MAMMAL PHYS/ANA	CR		4.00	4.00	0.00	0.00	
		Term Totals :		**4.00**	**4.00**	**0.00**	**0.00**	**0.0000**
		Career Totals :		**20.00**	**20.00**	**0.00**	**0.00**	**0.0000**
1976-1977 School Year : Spring Quarter								
Organization : Mount Marty College								
BIO 204	MAMMAL PHYS/ANA	CR		4.00	4.00	0.00	0.00	
MTH 120	COLLEGE ALGEBRA	CR		4.00	4.00	0.00	0.00	
		Term Totals :		**8.00**	**8.00**	**0.00**	**0.00**	**0.0000**
		Career Totals :		**28.00**	**28.00**	**0.00**	**0.00**	**0.0000**

Undergraduate Division

Course Number	Title	Gra	Rpt	Att	Ernd	HGpa	Q.Pts	GPA
1978-1979 School Year : Fall Quarter								
Organization : Augustana College								
SPDR 160	FUND. OF SPEECH	CR		4.00	4.00	0.00	0.00	
		Term Totals :		**4.00**	**4.00**	**0.00**	**0.00**	**0.0000**
		Career Totals :		**32.00**	**32.00**	**0.00**	**0.00**	**0.0000**
1990-1991 School Year : Fall Quarter								
COMSC-104	Introduction to Microcomput	A-		3.00	3.00	3.00	12.00	
HC -113	Medical Terminology	A		2.00	2.00	2.00	8.00	
HC -114	Health Care / Introdution to	A		2.00	2.00	2.00	8.00	
HC -116	Human Relations	A		3.00	3.00	3.00	12.00	
PHYS -101	Physics	A		3.00	3.00	3.00	12.00	
		Term Totals :		**13.00**	**13.00**	**13.00**	**52.00**	**4.0000**
		Career Totals :		**45.00**	**45.00**	**13.00**	**52.00**	**4.0000**
1990-1991 School Year : Winter Quarter								
HC -121	Patient Care Techniques	A		2.00	2.00	2.00	8.00	
NM -121	Nuclear Medicine Math & St	A		3.00	3.00	3.00	12.00	
NM -122	Nuclear Medicine/Intro to	A+		2.00	2.00	2.00	8.00	
NM -123	Pathophysiology	A+		5.00	5.00	5.00	20.00	
NM -124	Independant Study	A		1.00	1.00	1.00	4.00	
		Term Totals :		**13.00**	**13.00**	**13.00**	**52.00**	**4.0000**
		Career Totals :		**58.00**	**58.00**	**26.00**	**104.00**	**4.0000**
1990-1991 School Year : Spring Quarter								
NM -131	Radiation Biology & Dosime	A		3.00	3.00	3.00	12.00	
NM -132	Nuclear Medicine Physics	A		3.00	3.00	3.00	12.00	
NM -133	Radiation Safety	A+		3.00	3.00	3.00	12.00	
NM -134	Phlebotomy for Nuclear Med	A		1.00	1.00	1.00	4.00	
		Term Totals :		**10.00**	**10.00**	**10.00**	**40.00**	**4.0000**
		Career Totals :		**68.00**	**68.00**	**36.00**	**144.00**	**4.0000**

Vicki L. Fitz
Registrar

Southeast Technical Institute

Name : Michelle K. White

Address :

Undergraduate Division

Course Number	Title	Gra	Rpt	Att	Ernd	HGpa	Q.Pts	GPA
1991-1992 School Year : Fall Quarter								
NM -211	Instrumentation	A		4.00	4.00	4.00	16.00	
NM -212	Imaging Techniques	A		4.00	4.00	4.00	16.00	
NM -213	Radiopharmacy	A		5.00	5.00	5.00	20.00	
NM -214	Non-Imaging Technology	A		3.00	3.00	3.00	12.00	
	Term Totals :			**16.00**	**16.00**	**16.00**	**64.00**	**4.0000**
	Career Totals :			**84.00**	**84.00**	**52.00**	**208.00**	**4.0000**
1991-1992 School Year : Winter Quarter								
NM -223	Radiopharmacology	P		4.00	4.00	0.00	0.00	
NM -224	Nuclear Medicine I Clinical	P		10.00	10.00	0.00	0.00	
	Term Totals :			**14.00**	**14.00**	**0.00**	**0.00**	**0.0000**
	Career Totals :			**98.00**	**98.00**	**52.00**	**208.00**	**4.0000**
1991-1992 School Year : Spring Quarter								
NM -234	Nuclear Medicine Clinical II	P		12.00	12.00	0.00	0.00	
	Term Totals :			**12.00**	**12.00**	**0.00**	**0.00**	**0.0000**
	Career Totals :			**110.00**	**110.00**	**52.00**	**208.00**	**4.0000**
1992-1993 School Year : Summer Quarter								
NM -241	Nuclear Med III Clinical	P		6.00	6.00	0.00	0.00	
	Term Totals :			**6.00**	**6.00**	**0.00**	**0.00**	**0.0000**
	Career Totals :			**116.00**	**116.00**	**52.00**	**208.00**	**4.0000**
	Division Career Totals :			**116.00**	**116.00**	**52.00**	**208.00**	**4.0000**

Degree Information :

(1) 'Assoc in Applied Science' Date Conferred : 08/17/1992

Major(s)

Nuclear Medicine

Undeclared

Undeclared

Vicki L. Fitz
Registrar

Certificate of Achievement

The Edumed Corporation Certifies that

MICHELLE K WHITE

0000000

PARTICIPATED IN THE FOLLOWING ACTIVITY:

11-001 - Environmental Safety

Credit Hours: 1.5

Certificate ID: 137081

Reference Number: Not Assigned

Completed On: 20-Feb-06

Participant, Sign Here
Maintain for Your Records

Leonard Lichtblau, Ph.D.
Director of Medical Education
The EduMed Corporation
9360 Ensign Avenue South, Suite 100
Minneapolis, MN 55438
952.932.9922, Fax 952.932.9993

EduMed
Connecting the Medical World Through Education

Certificate of Achievement

The Edumed Corporation Certifies that

MICHELLE K WHITE

0000000

PARTICIPATED IN THE FOLLOWING ACTIVITY:

11-003 - Hazardous Material

Credit Hours: 1.0

Certificate ID: 137083

Reference Number: Not Assigned

Completed On: 20-Feb-06

Participant, Sign Here
Maintain for Your Records

Leonard Lichtblau, Ph.D.
Director of Medical Education
The EduMed Corporation
9360 Ensign Avenue South, Suite 100
Minneapolis, MN 55438
952.932.9922, Fax 952.932.9993

EduMed
Connecting the Medical World Through Education

Certificate of Achievement

The Edumed Corporation Certifies that

MICHELLE K WHITE

0000000

PARTICIPATED IN THE FOLLOWING ACTIVITY:

11-014 - Radiation Safety

Credit Hours: 1.0

Reference Number: Not Assigned

Certificate ID: 137084

Completed On: 20-Feb-06

Participant, Sign Here
Maintain for Your Records

Leonard Lichtblau, Ph.D.
Director of Medical Education
The EduMed Corporation
5360 Ensign Avenue South, Suite 100
Minneapolis, MN 55438
952.932.9922, Fax 952.932.9993

EduMed
Connecting the Medical World Through Education

No 471465

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02220
Status Code: 0
Fee Category: 3P 7C
Exp. Date: 20111231
Fee Comments: _____
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: DMS IMAGING, INC.
   Received Date: 20070810
   Docket No: 3036404
   Control No.: 471465
   License No.: 40-32477-01
   Action Type: Amendment

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

3. COMMENTS

Signed Colleen Murnahan
Date 8-18-07

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

1. Fee Category and Amount: _____

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

3. OTHER _____
   _____

Signed _____
Date _____

From: Origin ID: FSDA (605)330-9060
Bernice Norton
DMS IMAGING
109 SOUTH PETRO AVENUE

SIOUX FALLS, SD 57107

FedEx Express

CLS052907/21/23

Ship Date: 10AUG07
ActWgt: 1 LB
System#: 5867540/INET7061
Account#: S *********

Delivery Address Bar Code

Ref # Douglas/Traci
Invoice #
PO #
Dept #

SHIP TO: (800)330-0365 **BILL SENDER**

Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400

Arlington, TX 760118064

TRK# 0201 7913 6371 6531

MON - 13AUG **A1**
PRIORITY OVERNIGHT

XH-FWHA

DFW
TX-US
76011

No. 471465