

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.

**Ron DeSantis**

Governor

Scott A. Rivkees

State Surgeon General

Vision: To be the Healthiest State in the Nation

August 26, 2019

Paul Michalak, Chief
Agreement State Programs Branch
Division of Materials Safety, Security, State,
And Tribal Programs
Office of Nuclear Material Safety and Safeguards
United States Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Dear Mr. Michalak:

I want to first take this opportunity to thank the Nuclear Regulatory Commission (NRC), the Integrated Materials Performance Evaluation Program (IMPEP) Audit team leader, Lizette Roldan-Otero, and the IMPEP audit team members for their diligence, patience, excellent feedback, and most importantly their professionalism. It was such a learning opportunity for the Bureau of Radiation Control (BRC) staff, particularly the way the team presented their review as radiation protection partners. I fully support and appreciate the evaluation process as several BRC staff have participated as members on IMPEP audit teams in the past. There are a few items, however, that should be corrected and others to be addressed.

3.1 Technical Staffing and Training

b. Discussion

Although Florida has a license reviewer qualification program that the Program is implementing, there is no documentation of training for license evaluators related to determining signature authority. This is further discussed in Section 3.4. *Florida implemented a License Evaluator Qualification Procedures/Journal on 9/1/06. The new Radioactive Materials Administrator has located this documentation since the IMPEP audit (see attached).*

3.3 Technical Quality of Inspections

b. Discussion

The team noted that the inspection procedures and the inspection checklist list did not address the documentation of an open item or violation. *The current inspection procedures, and checklist have been in place since July 13, 2011 and state (in part), "During the exit interview, the licensee representatives should be told that the inspection findings are preliminary and they will receive in writing a final determination. The inspector should address all safety related concerns, unresolved items and status of previously identified violations." The confusion may be that to see the procedure one must open the link that is on the checklist/inspection report under the Section E. Exit Interview Comments or Statements. Attached is a document showing a screen shot of that link expanded.*



However, inspectors do not have a mechanism to provide direct feedback to license evaluators when a licensing issue is identified that would require a license amendment. ***Section C of the checklist/inspection report titled: Licensing Actions is the mechanism for inspectors to provide feedback directly to license evaluators regarding a potential license amendment or other licensing action. Unfortunately, during one of the accompaniments, a licensing action was identified by the inspector but was not documented on the checklist/inspection report so was not communicated to licensing staff. There are many examples where a licensing action is correctly communicated to licensing staff and resolved. However, since this was an identified oversight, reminders will be sent to the inspection and licensing staff to ensure this item is not overlooked on future inspections.***

After the inspection accompaniment debriefs and prior to the on-site review, Florida immediately began addressing some of the concerns identified by the team. For instance, Florida management has taken or has planned the following corrective actions: (1) registered two inspectors in the upcoming NRC security class and is evaluating how to conduct additional training. ***Update: Two staff completed the NRC security class in August. August through September, ten staff will complete NRC courses.*** (3) arranged training for inspectors with a licensee to demonstrate medical therapy (HDR/GSR) tests and checks (e.g., calibration and spot checks), including describing acceptance criteria and surveys conducted when new source(s) arrive. ***Update: Several trainings are planned for the month of September for license evaluators and inspection staff.***

- ***On September 11 & 12, 42 inspectors and license evaluators are scheduled to attend Part 37/security training in Orlando. The training will consist of a review of Part 37 security requirements and an on-site demonstration at a licensed facility to include items found in (3) above. In addition, a review of the specific procedures that have been added to the "Increased Control Inspection Procedures" will be included (see attached agenda).***
- ***Training for license evaluators is planned to be held at a Tallahassee licensed facility – the date has been changed from August 10 to a date to be determined in September (see attached agenda).***
- ***An in-service training on Part 37 and Gamma Knife upgrade security measures presented by a team from the Office of Radiological Security will be held in Tallahassee on September 5 for license evaluators and Tallahassee inspectors (see attached).***

3.4 Technical Quality of Licensing Actions

b. Discussion

In reviewing the financial assurance records and discussion with staff, the team noted that decommissioning funding plans were maintained for the majority of licensees, as applicable. However, universities that possess significant quantities of unsealed radioactive

materials on their license did not have decommissioning funding plans. ***Update: Financial Assurance for exempt government agencies loophole has been corrected. An internal audit of all exempt government agencies based on, Florida Administrative Code, Rule 64E-5.217(2)(a), found two licensees that had over the Bond Risk Factor amounts (see attached). Those two licensees were sent letters requesting decommissioning funding plans and assurances.***

c. Evaluation

The team recommends that the Program consistently document the training completed by license evaluators, including the license types for which each reviewer has obtained signature authority. ***As addressed in 3.1 (b) of the report, trainings and signature authority are being documented for the license evaluators; in addition, a follow-up procedure has been implemented to ensure these are completed timely and enforced both for existing evaluators and new staff as they begin the training process.***

3.5 Technical Quality of Incident and Allegation Activities

c. Evaluation

Currently, Florida has centralized the NMED reporting process to the Miami office. ***Correction: The office is located at the Environmental Radiation Facility in Orlando – not Miami.***

4.1 Compatibility Requirements

c. Evaluation

Florida did not adopt final regulations for 10 NRC amendments within the required 3-year frequency and all 10 remain overdue for adoption at the time of this review. In addition, 30 regulation review comments that were provided to Florida by the NRC staff in 2015, remain unresolved. The team recommends that a plan be developed and implemented to address the overdue regulations, including how rules should be prioritized. The plan should also address instituting a knowledge management program for the staff involved in the rulemaking process. ***Update: While the IMPEP audit team was still on-site four out of ten Regulation Amendment Tracking System (RATS) were submitted and subsequently accepted by NRC on 8/1/19. At least 12 of the 30 unresolved comments were on hold due to NRC's recent changes to T & E which were finalized January 2019. The remaining six RATS and 30 comments will be submitted to NRC on or before 9/17/19. (See attached spreadsheet for current status of all items including 10 CFR, Part 71.)***

As an oversight measure, a knowledge management program has been instituted as part of the monthly BRC management meetings. This allows for a continual review of regulations and comments as well as status updates and tracking for appropriate staff.

4.2 Sealed Source and Device (SS&D) Evaluation Program

c. Evaluation

The team recommends that Florida expand their SS&D qualification in Section C of the Staff Qualification Journal to include specific requirements for courses, casework reviews, and guidance and standards reviews, equivalent to the training requirements in the NRC's IMC 1248, appendix D. ***Update: The SS&D Qualification Journal Section C was updated to include specific review material, training, and case reviews (see attached).***

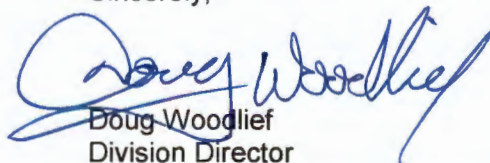
5.0 SUMMARY

The team decided Monitoring over Heightened Oversight because it considered the immediate action taken by Florida management to address the team's concerns discussed during the inspection accompaniment debriefs which were conducted prior to the on-site review. In addition, after discussions with the team and the NRC regulation specialist, the team noted that Florida immediately started working on completing overdue regulations. Four of which were submitted to the NRC for review while the team was onsite. In addition, the team is making a recommendation for the State to develop a plan to address overdue regulation. ***Immediate action was taken to address all concerns by:***

- ***Revising inspection procedures related to Part 37;***
- ***Scheduling several training opportunities;***
- ***Completing additional draft language to address overdue regulations;***
- ***Developing and implementing a plan of action that will effectively prioritize and complete the remainder of the overdue regulations by the middle of September. It is encouraging that the new Governor and State Surgeon General express support of programs, initiatives and regulatory changes;***
- ***Hiring three critical positions: the Radioactive Materials Administrator, the Field Operations Administrator and the Miami Area Inspection Manager;***
- ***Having three of the six recommendations (#'s 1, 2 and 4) already in place prior to the IMPEP audit; and implementing recommendations (#'s 3, 5 and 6) immediately following the IMPEP audit.***

BRC has an extremely competent licensing and inspection staff that will move this program forward and ensure all commitments to NRC as an Agreement State Program are fulfilled. The forgoing actions by BRC demonstrates that going forward they can monitor their program effectively.

Sincerely,



Doug Woodlief
Division Director
Division of Emergency Preparedness
and Community Support

c: Cindy Becker, Bureau Chief
Bureau of Radiation Control

LICENSING EVALUATOR QUALIFICATION PROCEDURE



Bureau of Radiation Control



Division of Environmental Health

RADIOACTIVE MATERIALS SECTION

LICENSING EVALUATOR QUALIFICATION PROCEDURES

Approved: *Paul Vause, Jr.*

Program Administrator Paul Vause, Jr

Date: 9/1/06

Approved: *William A. Passetti*

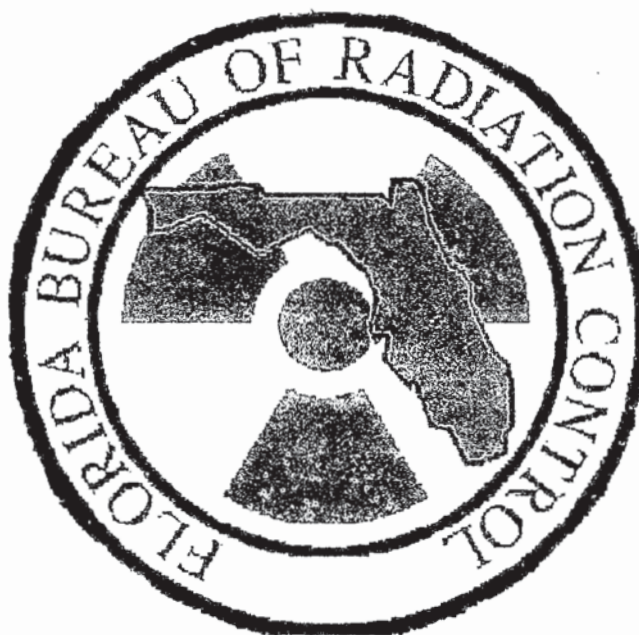
Bureau Chief William A. Passetti

Date: 9/2/06

Jeb Bush
Governor



John O. Agwunobi, M.D., M.B.A.
Secretary



RADIOACTIVE MATERIALS SECTION

LICENSING EVALUATOR QUALIFICATION PROCEDURES

Approved: Michael N. Stephens
Michael N. Stephens
Administrator, Radioactive Materials Section

Date: 3-4-2002

Approved: William A. Passetti
William A. Passetti
Chief, Bureau of Radiation Control

Date: 3/5/02



RADIOACTIVE MATERIALS SECTION

LICENSING EVALUATOR QUALIFICATION PROCEDURES

Approved: Michael N. Stephens
Michael N. Stephens
Administrator, Radioactive Materials Section

Date: 3-4-2002

Approved: William A. Passetti
William A. Passetti
Chief, Bureau of Radiation Control

Date: 3/5/02

LICENSING EVALUATOR QUALIFICATION PROCEDURE

This procedure set forth requirements for qualifying technical staff in the Radioactive Materials Section (HSERM) to perform independent licensing review of radioactive materials licenses. This includes the review and issuance of licensing correspondence (to include inspection compliance correspondence), and issuance of licensing actions.

Reminder: office protocols require that all licensing actions and correspondence receive management review and approval prior to being issued. Those actions issued by management must receive peer review and approval before issuance. The HSERM Administrator will decide any issue that cannot be resolved.

1.0 PURPOSE

- 1.1 To define qualification requirements for HSERM personnel to conduct radioactive materials licensing. Adequate qualification is determined through a combination of past education or experience, formal classroom training, training modules and on-the-job training (OJT).
- 1.2 To define additional training necessary to maintain and enhance the effectiveness of personnel qualified according to this procedure.
- 1.3 To document training received to satisfy the training requirements component of the NRC's Integrated Materials Performance Evaluation Program (IMPEP) audit criteria for HSERM staff.

2.0 OBJECTIVE

- 2.1 To ensure that HSERM personnel meet minimum knowledge and qualification standards.
- 2.2 To provide methods for determine when qualification standards have been met to perform their assigned duties.

3.0 DEFINITIONS

- 3.1 Core Training. Minimum required training for categories identified in Section 5.0. This training is necessary for performing licensing activities.
- 3.2 Interim Qualification. Temporary qualification to perform licensing activities before completion of training. This does not remove the requirements for completing Core Training.
- 3.3 NRC. The U.S. Nuclear Regulatory Commission and its representatives.
- 3.4 On-the-job Training (OJT). Training provided internally by HSERM staff to qualify personnel to perform independent licensing. OJT is used to instruct an individual on proper techniques as unique conditions arise in the performance of their assigned duties.

LICENSING EVALUATOR QUALIFICATION PROCEDURE

- 3.5 Program Administrator. The HSERM Administrator
 - 3.6 Program Consultant. HSERM Consultant
 - 3.7 Qualification Journal. A document that tracks completion of qualifications necessary to perform licensing activities.
 - 3.8 Qualified Individual. An employee who has satisfactorily completed the training requirements necessary to perform independent licensing actions and supplemental training.
 - 3.9 Supplemental Training. Additional instruction beyond Core Training, as determined necessary by the Program Administrator, to qualify an individual to perform licensing activities. This training may be used to enhance an individual's technical expertise.
- 4.0 TRAINING OVERVIEW
- 4.1 HSERM personnel must understand the facilities, equipment, processes and activities of the programs in the license, as well as the criteria, techniques and mechanics of licensing. The qualification process is intended to ensure personnel have received adequate instruction to conduct license application reviews that are technically correct and in accordance with applicable regulations and procedures.
 - 4.2 HSERM personnel shall successfully complete Core Training, Supplemental Training as necessary, to perform their assigned duties. Upon completion, each person's knowledge shall be verified by the Program Administrator.
 - 4.3 During or subsequent to Core Training, OJT shall be provided to each individual. OJT shall include proper hands-on techniques for performing licensing activities and shall be under the direction of a qualified individual.
 - 4.4 Subsequent to successful completion of Core Training and OJT, the person is considered qualified to perform licensing activities in accordance with established procedures. Completion is to be evidenced in the individual's qualification Journal or the Bureau of Radiation Control's "Training Consultant's" database.
 - 4.5 Persons undergoing qualification may perform licensing activities under the direction of a qualified individual. These activities may be considered for satisfying OJT requirements.
 - 4.6 Special Circumstances (e.g., budget reductions, travel restrictions, training availability, etc.) may result in the temporary unavailability of training opportunities to satisfy training requirements. An individual may be granted Interim Qualification status. However, this does not remove

LICENSING EVALUATOR QUALIFICATION PROCEDURE

the requirements for the qualifying individual to attend Core Training as listed in Section 5.0. HSERM considers having trained individuals critical to its function. All attempts within reason shall be made to provide Core Training as soon as possible. If necessary, employee schedules shall be adjusted for employees to attend Core Training when available.

- 4.7 Individuals must successfully complete the training listed in Section 5.0. Each individual need complete only those categories necessary to discharge job assignments. Competency may be based on satisfactory attendance of courses, written examination or performance of licensing activities. Completion of training shall be documented.

- 4.7.1 Written examinations may be used for designated training to evaluate the candidate's understanding of the material

- 4.7.1.1 The passing grade for most examinations is 70%.

- 4.7.1.2 Individuals who fail examinations may be given the opportunity to review the material through self-study and then be re-examined. Individuals may repeat failed training. At the Program Administrator discretion with input from the Program Consultant, individuals failing a second examination may be disqualified.

- 4.7.2 Course completion may be determined by satisfactory attendance.

- 4.7.3 Satisfactory performance of licensing activities is used to determine competency

5.0 TRAINING

5.1 Core Training for License Reviewers

- 5.1.1 Overall HSERM program orientation to include internal procedures.
- 5.1.2 Completion of the bureau's core requirements within the first six months of employment.
- 5.1.3 Completion of the appropriate HSERM module training.

5.2 Supplemental Training for License Reviewers

- 5.2.1 Licensing Practices and Procedures (G-109) unless sufficient time has passed as not to be beneficial.
- 5.2.2 Appropriate NRC courses. (For example, industrial radiography, medical use, etc.)

LICENSING EVALUATOR QUALIFICATION PROCEDURE

6.0 EQUIVALENCY

- 6.1 Individuals may be grandfathered through equivalency if they possess a sufficient combination of training and experience. Equivalency can be substituted for the Core Training requirements except for the completion of the Applied Radiation Physics and Incident Response courses. Successful completion of courses presented by the NRC or their contractors is the preferred equivalency training.
- 6.2 Only the Program Administrator can grant equivalency. It is done in consideration of the individual's ability to conduct licensing without benefit of the additional knowledge and regulatory perspective that would be gained by attending further training.

7.0 QUALIFICATION JOURNAL

- 7.1 Qualification Journals will be created for each individual. The Journal details completed training.
- 7.2 The Program Administrator shall initial and date completion of items identified in the Journal. The Program Administrator shall initial and date when an individual has successfully completed a training that qualifies them to perform licensing activities.

8.0 PROGRAM ADMINISTRATOR RESPONSIBILITIES AND AUTHORITIES.

- 8.1 Administers and implements this procedure
- 8.2 Responsible for development and maintenance of individual qualification journals. Ensure individual achieve and maintain qualifications in accordance with this procedure. Only the Program Administrator can record information in the qualifications journal
- 8.3 The Program Administrator may revise this procedure at reasonable discretion.

9.0 ATTACHMENTS

- 9.1 HSERM Licensing Evaluator's Qualification Journal
- 9.2 Overview of HSERM program orientation.

GAN

PREAMPLUME

BRC QUALIFICATION JOURNAL

Employee: Gan Preamplume Title: ES II

Office: ERC M Inspector No.: 154 Date Hired: 10/25/13

SECTION A: BRC TECHNICAL STAFF CORE TRAINING

To be completed by all BRC technical staff

Course/Training	Completion Date	Manager Review
Program Orientations		
Regulatory/Rad. Control Rules & Statutes Module		
IS-5 Hazardous Materials Awareness, or equivalent		
IS-100 Introduction to Incident Command System online course (within 60 days)		
IS-200 ICS for Single Resources and Initial Action Incidents (required for Managers and Administrators only)		
IS-301 Radiological Emergency Response		
IS-700 National Incident Management System (within 90 days)		
IS-800 A National Response Plan (NRP), An Introduction (required for Administrators)		
Basic Radiation Safety-prior to ARP course, prior to handling RAM (Under development)		
Basic vehicle use, log policy, maintenance policy (prior to operating state vehicle)		
BSTP Basic Supervisory Training Program (required for all supervisors) (within 6 months)		
Code of Ethics video (within 30 days)		
Cultural Diversity (within 60 days)		
Equal Opportunity (within 30 days)		
Information Security and Privacy (within 30 days AND annually)		
HIPPA (within 30 days)		
HIV/AIDS (recommended for inspection and RAM staff within 60 days)		
DOH New Employee Orientation (within 60 days)		
Sexual Harassment (within 30 days)		
Workplace Safety (recommended within 60 days)		
Violence in the Workplace (within 60 days)		
Applied Radiation Physics course -Winter Haven		

Florida Bureau of Radiation Control

IR Radiological Incident Response Course (HSERE)		
ER HSERE Emergency Response and Survey Techniques training (Power Plant Drill)		
(RERO) Radiological Emergency Response Operations course		
PeopleFirst		
Public Health Preparedness Orientation (within 60 days)		
Comdata Fuel Card (prior to operating state vehicle)		
TrackIT → <i>Train</i>		

SECTION C: RAM EVALUATOR TRAINING & DEVELOPMENT

Some Areas Under Development

Items highlighted in blue must be completed within the first year of hire.

Evaluator Staff Core Requirements	Date Completed	Manager Review
Guidelines for Licensing Actions		
Guidelines for Field Operations		
HSERM Increased Controls		
Amendments to Existing Licenses		
Review regulations		
Review application guide		
Add Authorized User		
Change in Facility diagram		
Portable Gauge		
Review application guide	12/5/13	12/5/13
Review licensing action with Manager	12/5/13	12/5/13
Complete "Portable Gauge Training and Development for Evaluators" module	12/2/13	12/2/13
Satisfactory audit by manager	12/9/13	12/9/13
Medical – 5C Outpatient		
Review regulations	11/18/13	11/18/13
Review application guide	11/18/13	11/18/13
Review "Introduction to Diagnostic Nuclear Medicine"	11/18/13	11/18/13
Complete "Medical Use Diagnostic Nuclear Medicine" module	11/21/13	11/21/13
Satisfactory audit by manager	11/22/13	11/22/13
Medical – 5B Medical Institutions (under development)		
Review regulations		
Review application guide		
Review diagnostic licensing action with HSERM manger or qualified individual		
Review therapy and brachytherapy licensing action with HSERM manger or qualified individual		

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Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)	11/21/13	11/21/13
Review application guide	11/18/13	11/18/13
Review licensing action with HSERM manger or qualified individual	11/18/13	11/18/13
Facility site visit or inspection accompaniment	11/21/13	11/21/13
Satisfactory audit by manager	11/22/13	11/22/13
Radiopharmacy		
• Review application guide		
• Review licensing action with HSERM manger or qualified individual		
Complete "Radiopharmaceutical Therapy Training Manual for Evaluators" module		
Satisfactory audit by manager		
R & D Facility(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical HDR – Teletherapy(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Medical facility site visit or inspection accompaniment		
HDR Procedures (For example, Nucletron, Varisource, Gammamed)		
IVB Guidant Procedures		
Gamma Knife Procedures		
Industrial Radiography(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		

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Facility site visit or inspection accompaniment		
NRC sponsored Industrial Radiography Course		
Well Logging(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Large Irradiator(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Academic – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Emerging Technologies(under development)		
IVB Procedures (For Example, Novoste Or Cordis)		
Gliasites Procedures		
Lymphoscintography		
LLRW Transportation Inspection(under development)		
(Authorized one to perform HSERE inspections when needed- site Accompaniment required)		

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Misadministration Investigations(under development)		
Attend Root Cause Analysis		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
Overexposure Investigation(under development)		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
SSR(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Materials Increased Controls and Security		
Attend approved MICS course (BRC or NRC)		

SECTION D X-RAY PROGRAM TRAINING & DEVELOPMENT

Under Development

X-ray Program Core Courses	Completion Date	Manager Review
X-ray Program Orientation		
X-ray Machine Fundamentals		
Bureau Rules, Policies & Procedures Review		
MQSA Coordinator	Completion Date	Manager Review
Complete MQSA Auditor requirements		
FDA contract		
MQSA corrective actions		
Complete MQSA Coordinator training		
Approval by HSERX Administrator		
Violation Corrections Coordinator/Directed Plan	Completion Date	Manager Review
Complete X-ray inspector requirements		
Service vendors		

Quiz A - INTRODUCTION TO PORTABLE MOISTURE DENSITY GAUGES

(For Licensing Evaluators)

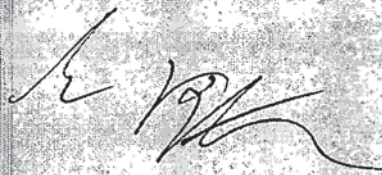
If you passed- print this page using your browser

Minimum
Passing
Score is 70%

Your Score	410
Max Score	530
Questions Correct	41
Total Questions	53
Accuracy	77%
Number of Quiz Attempts	1

Passed

12/2/13

[Review Quiz](#)

55

Diagnostic Nuclear Medicine Quiz

Your Score	701	
Max Score	821	
Number of Quiz Attempts	1	

Minimum
Passing
Score is 70%

When Passed- Print this page:

Sign and date here
Return to supervisor

Passed 11/21/13
[Signature]

Continue

Review Quiz

85

HSERM-Exam A Diagnostic
Nuclear Medicine Module

Outline Thumb Notes Search

CERTIFICATION EXA... 01:14

0 Minutes 0 Seconds Remaining

00:00 / 00:00

Radiopharmaceutical Therapy Nuclear Medicine Certification Quiz

Your Score	200
Max Score	260
Questions Correct	20
Total Questions	26
Accuracy	77%
Number of Quiz Attempts	1

Minimum
Passing
Score is 70%

When Passed- Print this page:

Sign and date here
Return to supervisor



Continue

Review Quiz

Passed-Please Print this Page

28

11/26/13

[Handwritten signature]

Radiopharmaceutical Therapy
Certification Exam (HSERM)
(Nuclear Medicine) Module

Outline Thumb Notes Search

CERTIFICATION EXA... 01:15

0 Minutes 0 Seconds Remaining

**CALEB
SMITH**

BRC QUALIFICATION JOURNAL

Employee: Caleb Smith Title: ES II






Office: HSE/RA Inspector No.: 145 Date Hired: 2/21/11

SECTION A: BRC TECHNICAL STAFF CORE TRAINING

To be completed by all BRC technical staff

Course/Training	Completion Date	Manager Review
Program Orientations		
Regulatory/Rad. Control Rules & Statutes Module		
IS-5 Hazardous Materials Awareness, or equivalent	4/24/11	<i>[Signature]</i>
IS-100 Introduction to Incident Command System online course (within 60 days)	2/25/11	<i>[Signature]</i>
IS-200 ICS for Single Resources and Initial Action Incidents (required for Managers and Administrators only)		
IS-301 Radiological Emergency Response	4/13/11	<i>[Signature]</i>
IS-700 National Incident Management System (within 90 days)	3/3/11	<i>[Signature]</i>
IS-800 A National Response Plan (NRP), An Introduction (required for Administrators)		
Basic Radiation Safety-prior to ARP course, prior to handling RAM (Under development)		
Basic vehicle use, log policy, maintenance policy (prior to operating state vehicle)	3/3/11	<i>[Signature]</i>
BSTP Basic Supervisory Training Program (required for all supervisors) (within 6 months)		
Code of Ethics video (within 30 days)	2/24/11	<i>[Signature]</i>
Cultural Diversity (within 60 days)	2/24/11	<i>[Signature]</i>
Equal Opportunity (within 30 days)	2/24/11	<i>[Signature]</i>
Information Security and Privacy (within 30 days AND annually)	2/24/11	<i>[Signature]</i>
HIPPA (within 30 days)	2/24/11	<i>[Signature]</i>
HIV/AIDS (recommended for inspection and RAM staff within 60 days)		
DOH New Employee Orientation (within 60 days)	3/2/11	<i>[Signature]</i>
Sexual Harassment (within 30 days)	2/24/11	<i>[Signature]</i>
Workplace Safety (recommended within 60 days)	2/25/11	<i>[Signature]</i>
Violence in the Workplace (within 60 days)	2/25/11	<i>[Signature]</i>
Applied Radiation Physics course -Winter Haven	7/20/11	<i>[Signature]</i>

Florida Bureau of Radiation Control

IR Radiological Incident Response Course (HSERE)		
ER HSERE Emergency Response and Survey Techniques training (Power Plant Drill)	7/20/11	
(RERO) Radiological Emergency Response Operations course	11/12/11	
PeopleFirst	2/24/11	
Public Health Preparedness Orientation (within 60 days)	2/25/11	
Comdata Fuel Card (prior to operating state vehicle)	3/3/11	
TrackIT		

SECTION C: RAM EVALUATOR TRAINING & DEVELOPMENT

Some Areas Under Development

Items highlighted in blue must be completed within the first year of hire.

Evaluator Staff Core Requirements	Date Completed	Manager Review
Guidelines for Licensing Actions	7/20/11	<i>m</i>
Guidelines for Field Operations	7/20/11	<i>m</i>
HSERM Increased Controls	2/24/11	<i>m</i>
Amendments to Existing Licenses		
Review regulations	2/23/11	<i>m</i>
Review application guide	2/23/11	<i>m</i>
Add Authorized User	2/24/11	<i>m</i>
Change in Facility diagram	2/23/11	<i>m</i>
Portable Gauge		
Review application guide	5/3/11	<i>m</i>
Review licensing action with Manager	5/4/11	<i>m</i>
Complete "Portable Gauge Training and Development for Evaluators" module	4/30/11	<i>m</i>
Satisfactory audit by manager	5/4/11	<i>m</i>
Medical – 5C Outpatient		
Review regulations	2/25/11	<i>m</i>
Review application guide	2/25/11	<i>m</i>
Review "Introduction to Diagnostic Nuclear Medicine"	2/25/11	<i>m</i>
Complete "Medical Use Diagnostic Nuclear Medicine" module	3/30/11	<i>m</i>
Satisfactory audit by manager	3/30/11	<i>m</i>
Medical – 5B Medical Institutions (under development)		
Review regulations	2/25/11	<i>m</i>
Review application guide	2/25/11	<i>m</i>
Review diagnostic licensing action with HSERM manger or qualified individual	3/2/11	<i>m</i>
Review therapy and brachytherapy licensing action with HSERM manger or qualified individual	3/17/11	<i>m</i>

Florida Bureau of Radiation Control

Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)		
Review application guide	2/25/11	<i>m</i>
Review licensing action with HSERM manger or qualified individual	3/2/11	<i>m</i>
Facility site visit or inspection accompaniment		
Satisfactory audit by manager		
Radiopharmacy		
• Review application guide	6/28/11	<i>m</i>
• Review licensing action with HSERM manger or qualified individual	6/29/11	<i>m</i>
Complete "Radiopharmaceutical Therapy Training Manual for Evaluators" module	4/1/2011	<i>m</i>
Satisfactory audit by manager	6/29/11	<i>m</i>
R & D Facility(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical HDR – Teletherapy(under development)		
Review application guide	3/10/27/11	<i>m</i>
Review licensing action with HSERM manger or qualified individual	3/22/11	<i>m</i>
Medical facility site visit or inspection accompaniment		
HDR Procedures (For example, Nucletron, Varisource, Gammamed)	10/27/11	<i>m</i>
IVB Guidant Procedures		
Gamma Knife Procedures	6/20/12	<i>m</i>
Industrial Radiography(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		

Florida Bureau of Radiation Control

Facility site visit or inspection accompaniment		
NRC sponsored Industrial Radiography Course		
Well Logging(under development)		
Review regulations	4/20/12	m
Review application guide	4/20/12	m
Review licensing action with HSERM manger or qualified individual	4/27/12	m
Facility site visit or inspection accompaniment		
Large Irradiator(under development)		
Review regulations	7/27/11	m
Review application guide	7/27/11	m
Review licensing action with HSERM manger or qualified individual	7/29/11	m
Facility site visit or inspection accompaniment		
Academic – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Emerging Technologies(under development)		
IVB Procedures (For Example, Novoste Or Cordis)		
Gliasites Procedures	6/10/11	m
Lymphoscintigraphy	6/14/11	m
LLRW Transportation Inspection(under development)		
(Authorized one to perform HSERE inspections when needed- site Accompaniment required)		

Florida Bureau of Radiation Control

Misadministration Investigations(under development)		
Attend Root Cause Analysis		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
Overexposure Investigation(under development)		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
SSR(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Materials Increased Controls and Security		
Attend approved MICS course (BRC or NRC)	8/10/12	<i>m</i>

SECTION D X-RAY PROGRAM TRAINING & DEVELOPMENT

Under Development

X-ray Program Core Courses	Completion Date	Manager Review
X-ray Program Orientation		
X-ray Machine Fundamentals		
Bureau Rules, Policies & Procedures Review		
MQSA Coordinator	Completion Date	Manager Review
Complete MQSA Auditor requirements		
FDA contract		
MQSA corrective actions		
Complete MQSA Coordinator training		
Approval by HSERX Administrator		
Violation Corrections Coordinator/Directed Plan	Completion Date	Manager Review
Complete X-ray inspector requirements		
Service vendors		

Vause, Paul E

From: DOH@flextraining.com

Sent: Wednesday, April 13, 2011 3:49 PM

To: Vause, Paul E

Subject: Class Completion Alert

A Class Completion has occurred for a student you manage.

Name: Caleb Smith

Email: caleb_smith@doh.state.fl.us

UniqueID: 968261

Class Name: DOH IS 3-Radiological Emergency Management

4/14/2011

Vause, Paul E

From: DOH@flextraining.com
Sent: Thursday, March 24, 2011 11:03 AM
To: Vause, Paul E
Subject: Class Completion Alert

A Class Completion has occurred for a student you manage.

Name: Caleb Smith
Email: caleb_smith@doh.state.fl.us
UniqueID: 968261
Class Name: DOH IS 5a-An Introduction to Hazardous Materials

**ROWENA
NASH**

BRC QUALIFICATION JOURNAL

Employee: Rowena Nash Title: ES II

Office: HSERM Inspector No.: 146 Date Hired: 12/27/10

SECTION A: BRC TECHNICAL STAFF CORE TRAINING

To be completed by all BRC technical staff

Course/Training	Completion Date	Manager Review
Program Orientations		
Regulatory/Rad. Control Rules & Statutes Module		
IS-5 Hazardous Materials Awareness, or equivalent		
IS-100 Introduction to Incident Command System online course (within 60 days)	1/7/11	<i>m</i>
IS-200 ICS for Single Resources and Initial Action Incidents (required for Managers and Administrators only)	10/12/11	<i>m</i>
IS-301 Radiological Emergency Response		
IS-700 National Incident Management System (within 90 days)	2/22/11	<i>m</i>
IS-800 A National Response Plan (NRP), An Introduction (required for Administrators)		
Basic Radiation Safety-prior to ARP course, prior to handling RAM (Under development)		
Basic vehicle use, log policy, maintenance policy (prior to operating state vehicle)	1/25/11	<i>m</i>
BSTP Basic Supervisory Training Program (required for all supervisors) (within 6 months)	NA	
Code of Ethics video (within 30 days)	12/30/10	<i>m</i>
Cultural Diversity (within 60 days)	1/3/11	<i>m</i>
Equal Opportunity (within 30 days)	12/30/10	<i>m</i>
Information Security and Privacy (within 30 days AND annually)	12/30/10	<i>m</i>
HIPPA (within 30 days)	12/30/10	<i>m</i>
HIV/AIDS (recommended for inspection and RAM staff within 60 days)		
DOH New Employee Orientation (within 60 days)	12/30/10	<i>m</i>
Sexual Harassment (within 30 days)	1/3/11	<i>m</i>
Workplace Safety (recommended within 60 days)	1/4/11	<i>m</i>
Violence in the Workplace (within 60 days)	12/30/11	<i>m</i>
Applied Radiation Physics course -Winter Haven	7/22/11	<i>m</i>

Florida Bureau of Radiation Control

IR Radiological Incident Response Course (HSERE)	7/22/11	<i>me</i>
ER HSERE Emergency Response and Survey Techniques training (Power Plant Drill)	7/22/11	<i>me</i>
(RERO) Radiological Emergency Response Operations course	11/12/11	<i>me</i>
PeopleFirst	1/3/11	<i>me</i>
Public Health Preparedness Orientation (within 60 days)	1/3/11	<i>me</i>
Comdata Fuel Card (prior to operating state vehicle)	1/25/11	<i>me</i>
TrackIT	1/3/11	<i>me</i>

SECTION C: RAM EVALUATOR TRAINING & DEVELOPMENT

Some Areas Under Development

Items highlighted in blue must be completed within the first year of hire.

Evaluator Staff Core Requirements	Date Completed	Manager Review
Guidelines for Licensing Actions	1/5/11	<i>[Signature]</i>
Guidelines for Field Operations	1/5/11	<i>[Signature]</i>
HSERM Increased Controls	1/12/11	<i>[Signature]</i>
Amendments to Existing Licenses		
Review regulations	1/5/11	<i>[Signature]</i>
Review application guide	1/5/11	<i>[Signature]</i>
Add Authorized User	1/5/11	<i>[Signature]</i>
Change in Facility diagram	1/5/11	<i>[Signature]</i>
Portable Gauge		
Review application guide	5/25/11	<i>[Signature]</i>
Review licensing action with Manager	6/8/11	<i>[Signature]</i>
Complete "Portable Gauge Training and Development for Evaluators" module		
Satisfactory audit by manager	6/8/11	<i>[Signature]</i>
Medical – 5C Outpatient		
Review regulations	1/19/11	<i>[Signature]</i>
Review application guide	1/19/11	<i>[Signature]</i>
Review "Introduction to Diagnostic Nuclear Medicine"		
Complete "Medical Use Diagnostic Nuclear Medicine" module		
Satisfactory audit by manager	1/19/11	<i>[Signature]</i>
Medical – 5B Medical Institutions (under development)		
Review regulations	1/19/11	<i>[Signature]</i>
Review application guide	1/19/11	<i>[Signature]</i>
Review diagnostic licensing action with HSERM manger or qualified individual	1/28/11	<i>[Signature]</i>
Review therapy and brachytherapy licensing action with HSERM manger or qualified individual	1/28/11	<i>[Signature]</i>


Florida Bureau of Radiation Control

Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)		
Review application guide	4/19/11	m
Review licensing action with HSERM manger or qualified individual	1/19/11	m
Facility site visit or inspection accompaniment		
Satisfactory audit by manager	1/19/11	m
Radiopharmacy		
• Review application guide	6/3/11	m
• Review licensing action with HSERM manger or qualified individual	6/8/11	m
Complete "Radiopharmaceutical Therapy Training Manual for Evaluators" module		
Satisfactory audit by manager	6/8/11	m
R & D Facility(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical HDR – Teletherapy(under development)		
Review application guide	1/26/11	m
Review licensing action with HSERM manger or qualified individual	1/28/11	m
Medical facility site visit or inspection accompaniment		
HDR Procedures (For example, Nucletron, Varisource, Gammamed)	1/26/11	m
IVB Guidant Procedures		
Gamma Knife Procedures	1/26/11	m
Industrial Radiography(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		

Florida Bureau of Radiation Control

Facility site visit or inspection accompaniment		
NRC sponsored Industrial Radiography Course		
Well Logging(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Large Irradiator(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Academic – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Emerging Technologies(under development)		
IVB Procedures (For Example, Novoste Or Cordis)		
Gliasites Procedures	3/7/11	<i>m</i>
Lymphoscintigraphy		
LLRW Transportation Inspection(under development)		
(Authorized one to perform HSERE inspections when needed- site Accompaniment required)		

Florida Bureau of Radiation Control

Misadministration Investigations(under development)		
Attend Root Cause Analysis		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
Overexposure Investigation(under development)		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
SSR(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Materials Increased Controls and Security		
Attend approved MICS course (BRC or NRC)	8/10/12	

SECTION D X-RAY PROGRAM TRAINING & DEVELOPMENT

Under Development

X-ray Program Core Courses	Completion Date	Manager Review
X-ray Program Orientation		
X-ray Machine Fundamentals		
Bureau Rules, Policies & Procedures Review		
MQSA Coordinator	Completion Date	Manager Review
Complete MQSA Auditor requirements		
FDA contract		
MQSA corrective actions		
Complete MQSA Coordinator training		
Approval by HSERX Administrator		
Violation Corrections Coordinator/Directed Plan	Completion Date	Manager Review
Complete X-ray inspector requirements		
Service vendors		

Vause, Paul E

From: DOH@flextraining.com

Sent: Tuesday, April 19, 2011 5:13 PM

To: Vause, Paul E

Subject: Class Completion Alert

A Class Completion has occurred for a student you manage.

Name: Rowena Nash

Email: rowena_nash@doh.state.fl.us

UniqueID: 612623

Class Name: ASHI CPR for the Community and Workplace-4/7/2011

**LEE
THOMAS**

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

Employee	Lee Thomas	Date Hired	2/10/2006
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MODULE CORE TRAINING

☐ Also See Attached Training Output from Historical Database

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
Administrative/HSERM Program Orientation	March 3, 06	✓
Regulatory/ Radiation Rules & Statutes (Parts I, <input type="checkbox"/> II, <input type="checkbox"/> III, <input type="checkbox"/> IX, <input type="checkbox"/> XIII, <input type="checkbox"/> XV, <input type="checkbox"/>)	March 3, 06	✓
Health Physics Home Study Course /ARP	March 15, 06	✓
HSERE Emergency Response/Survey Techniques	March 17, 06	✓
• NRC Introduction to Health Physics		
• NRC Licensing Course	June 23, 2006	✓
• FEMA- RERO	Nov. 3, 2006	✓

MODULE MEDICAL

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2/23/06	✓
• Review application guide	2/23/06	✓
• Review diagnostic licensing action with HSERM manger or qualified individual	2/23/06	✓
• Review therapy and brachytherapy licensing action with HSERM manger or qualified individual	3/1/06	✓
• Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)	1/23/07	✓
• IVB Procedures (For example, Novoste or Cordis)	12/3/08	✓
• Gliasites Procedures	9/14/06	✓
• Lymphoscintigraphy		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE MEDICAL HDR - TELETHERAPY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2/23/06	<i>m</i>
• Review application guide	"	<i>m</i>
• Review licensing action with HSERM manger or qualified individual	2/27/06	<i>m</i>
• Medical facility site visit or inspection accompaniment	9/11/06	<i>m</i>
• HDR Procedures (For example, Nucletron, Varisource, Gammamed)	2/27/06	<i>m</i>
• IVB Guidant Procedures		
• Gamma Knife Procedures		



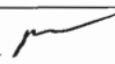


MODULE RADIOPHARMACY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	8/3/06	<i>m</i>
• Review application guide	8/3/06	<i>m</i>
• Review licensing action with HSERM manger or qualified individual	8/9/06	<i>m</i>
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)	9/11/06	<i>m</i>




Med. Facility

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE PORTABLE GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	7/31/06	
• Review application guide	7/31/06	
• Review licensing action with HSERM manger or qualified individual	7/31/06	
• Review a manufacturer's training manual	7/31/06	
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)	April 24, 06	
• Attend or audit a manufacturer's training course		
• Facility site visit or inspection accompaniment	April 24, 06	

MODULE FIXED GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	7/31/06	
• Review Application Guide	7/31/06	
• Review Licensing Action with HSERM manger or qualified individual	9/7/06	
• Facility site visit or inspection accompaniment		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE INDUSTRIAL RADIOGRAPHY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
<ul style="list-style-type: none">• Review regulations		
<ul style="list-style-type: none">• Review application guide		
<ul style="list-style-type: none">• Review licensing action with HSERM manger or qualified individual		
<ul style="list-style-type: none">• Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
<ul style="list-style-type: none">• Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		
<ul style="list-style-type: none">• Facility site visit or inspection accompaniment		
<ul style="list-style-type: none">• NRC sponsored Industrial Radiography Course		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE OTHER LICENSES

Course/Training	Date ⁽¹⁾ Completed/Qualified and Manager's Initials							
<input type="checkbox"/> Interim Qualification Status Approved (If needed)	SSR <input type="checkbox"/> IQS	Well logging <input type="checkbox"/> IQS	Large Irradiator <input type="checkbox"/> IQS	Academic <input type="checkbox"/> IQS	Broad Scope <input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS
Module Completed								
• Review regulations								
• Review application guide								
• Review licensing action with HSERM manger or qualified individual								
•								
•								
Supplemental Training								
• Facility site visit or inspection accompani ment								
•								
•								
•								

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
LLRW transportation inspection procedures (Authorized one to perform HSERE inspections when needed- site Accompaniment required)		
Misadministration investigations (site accompaniment required)		
Overexposure investigation (site accompaniment required)		

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is know it will be entered.

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials

- (1) The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

**WALTER
KLEIN**

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

Employee	Walter Klein	Date Hired	1-31-03
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MODULE CORE TRAINING

☐ Also See Attached Training Output from Historical Database


Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
Administrative/HSERM Program Orientation	2003	<i>W</i>
Regulatory/ Radiation Rules & Statutes (Parts I, <input type="checkbox"/> II, <input type="checkbox"/> III, <input type="checkbox"/> IX, <input type="checkbox"/> XIII, <input type="checkbox"/> XV, <input type="checkbox"/>)	2003	<i>W</i>
Health Physics Home Study Course		<i>W</i>
HSERE Emergency Response/Survey Techniques	6/14-17/05	<i>W</i>
• NRC Introduction to Health Physics (ARP)	6/30/06	<i>W</i>
• NRC Licensing Course		
• FEMA- RERO	6/30/95	

MODULE MEDICAL


Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2003	<i>W</i>
• Review application guide		"
• Review diagnostic licensing action with HSERM manger or qualified individual		"
• Review therapy and brachytherapy licensing action with HSERM manger or qualified individual		"
• Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)	2004	"
• IVB Procedures (For example, Novoste or Cordis)		
• Gliasites Procedures	9/14/06	<i>W</i>
• Lymphoscintigraphy		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE MEDICAL HDR - TELETHERAPY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2004	
• Review application guide		
• Review licensing action with HSERM manger or qualified individual		
• Medical facility site visit or inspection accompaniment		
• HDR Procedures (For example, Nucletron, Varisource, Gammamed)		
• IVB Guidant Procedures		
• Gamma Knife Procedures		

MODULE RADIOPHARMACY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2004	
• Review application guide		
• Review licensing action with HSERM manger or qualified individual		
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE PORTABLE GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2003	✓
• Review application guide	↓	"
• Review licensing action with HSERM manger or qualified individual	↓	"
• Review a manufacturer's training manual	Apr '05	✓
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)	2004 (medical)	✓
• Attend or audit a manufacturer's training course	WK 9/18/06 4/14/05	✓
• Facility site visit or inspection accompaniment		

HSERM PG Module Exam


9/18/06 ✓

MODULE FIXED GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2003	✓
• Review Application Guide	2004	✓
• Review Licensing Action with HSERM manger or qualified individual	2004	✓
• Facility site visit or inspection accompaniment		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE INDUSTRIAL RADIOGRAPHY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2004	
• Review application guide		
• Review licensing action with HSERM manager or qualified individual		
• Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
• Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		
• Facility site visit or inspection accompaniment		
• NRC sponsored Industrial Radiography Course		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE OTHER LICENSES

Course/Training	Date ⁽¹⁾ Completed/Qualified and Manager's Initials							
<input type="checkbox"/> Interim Qualification Status Approved (If needed)	SSR <input type="checkbox"/> IQS	Well logging <input type="checkbox"/> IQS	Large Irradiator <input type="checkbox"/> IQS	Academic <input type="checkbox"/> IQS	Broad Scope <input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS
Module Completed								
• Review regulations								
• Review application guide								
• Review licensing action with HSERM manger or qualified individual								
•								
•								
Supplemental Training								
• Facility site visit or inspection accompani ment								
•								
•								
•								

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
LLRW transportation inspection procedures (Authorized one to perform HSERE inspections when needed- site Accompaniment required)		
Misadministration investigations (site accompaniment required)		
Overexposure investigation (site accompaniment required)		
<i>Hazmat Awareness</i>	<i>6/14/05</i>	<i>[Signature]</i>
<i>MARSSIM</i>	<i>7/3/06</i>	<i>[Signature]</i>
<i>Basic Investigations for DOH (40 hrs.)</i>	<i>6/25/04</i>	<i>[Signature]</i>

- (1) The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is know it will be entered.

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

**DAVID
WHITMAN**

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

Employee	David Whitman	Date Hired	6-21-02
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MODULE CORE TRAINING

☒ Also See Attached Training Output from Historical Database

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
Administrative/HSERM Program Orientation	6-25-02	mw
Regulatory/ Radiation Rules & Statutes (Parts I, <input checked="" type="checkbox"/> II, <input checked="" type="checkbox"/> III, <input checked="" type="checkbox"/> IX, <input checked="" type="checkbox"/> XIII, <input checked="" type="checkbox"/> XV, <input checked="" type="checkbox"/>	6/25 - 10/31	mw
Health Physics Home Study Course	DONE / Ref Stanford	mw
HSERE Emergency Response/Survey Techniques	Done 7/02	mw
• NRC Introduction to Health Physics		
• NRC Licensing Course	9/02	mw
• FEMA- RERO		

MODULE MEDICAL

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	7/02	mw
• Review regulations	7/02	mw
• Review application guide	7/02 - Review DRBPT 11/02	mw
• Review diagnostic licensing action with HSERM manger or qualified individual	7/02 New to Pencecept	mw
• Review therapy and brachytherapy licensing action with HSERM manger or qualified individual	7/02 New to Pencecept	mw
• Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice).	2004 w/ Paul 2/6/07	mw mw
• IVB Procedures (For example, Novoste or Cordis)	Feb. 6, 11/2009	
• Gliasites Procedures	9/8/05	mw
• Lymphoscintigraphy	12/02	mw

whole CAT SP

YHWA-90

PET Lic. exam FYV

11/02

11/02

12/02

mw

mw

mw

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE MEDICAL HDR - TELETHERAPY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	7/02	rw
• Review application guide	↓	
• Review licensing action with HSERM manger or qualified individual		
• Medical facility site visit or inspection accompaniment	2004 w/Robert	
• HDR Procedures (For example, Nucletron, Varisource, Gammamed)	2004 w/Robert	
• IVB Guidant Procedures		
• Gamma Knife Procedures		

MODULE RADIOPHARMACY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	7/02	rw
• Review application guide	↓	
• Review licensing action with HSERM manger or qualified individual		
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)	May 21, 2003	RG

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MODULE PORTABLE GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	7/2	ms
• Review regulations	7/2	ms
• Review application guide	7/02	ms
• Review licensing action with HSERM manger or qualified individual	7/02 new Renewal	ms
• Review a manufacturer's training manual	CPN course 10/02 RSD/chen	ms
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)		
• Attend or audit a manufacturer's training course	CPN 10/2 RSD & chen	
• Facility site visit or inspection accompaniment	2005 w/ Robert	

MODULE FIXED GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	8/2	ms
• Review regulations	7/2	ms
• Review Application Guide	7/2	ms
• Review Licensing Action with HSERM manger or qualified individual	8/2 New + Renewal	ms
• Facility site visit or inspection accompaniment	2006 w/ TRISTAN	

ENTRADA Mh
02/11/02

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE INDUSTRIAL RADIOGRAPHY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	9/01	✓
• Review application guide	9/03	✓
• Review licensing action with HSERM manger or qualified individual	7/03	✓
• Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course	1-31-03	✓
• Read NUREG/BR 0024 "Working Safely in Gamma Radiography."	9/03	
• Facility site visit or inspection accompaniment		
• NRC sponsored Industrial Radiography Course	Completed Sept 2003	✓

scholar
9/03


HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE OTHER LICENSES

Course/Training	Date ⁽¹⁾ Completed/Qualified and Manager's Initials							
<input type="checkbox"/> Interim Qualification Status Approved (If needed)	SSR <input checked="" type="checkbox"/> IQS	Well logging <input type="checkbox"/> IQS	Large Irradiator <input type="checkbox"/> IQS	Academic <input checked="" type="checkbox"/> IQS	Broad Scope <input type="checkbox"/> IQS	- <input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS
Module Completed								
• Review regulations		7/2	7/2	7/2				
• Review application guide		7/2		NA				
• Review licensing action with HSERM manager or qualified individual		7/2		1/8/03 [initials]				
• Registry Fundat	7/07							
•								
Supplemental Training								
• Facility site visit or inspection accompaniment								
• NRC course	4/28/06							
•								
•								

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ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
LLRW transportation inspection procedures (Authorized one to perform HSERE inspections when needed- site Accompaniment required)	FAMO 11/02	
Misadministration investigations (site accompaniment required)		
Overexposure investigation (site accompaniment required)		

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date⁽¹⁾ Completed/Qualified	Manager's Initials

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

MELISSA BURNS

ERCM: RAM EVALUATOR TRAINING & DEVELOPMENT

EVALUATOR: Melissa Burns

Items highlighted in blue must be completed within the first year of hire.

ERCM Evaluator Staff Core Requirements	Date Completed	Manager Review
Guidelines for Licensing Actions	July 2017	Completed
Guidelines for Field Operations	July 2017	Completed
ERCE Increased Controls or NRC course S-201 Materials Control & Security Systems & Principles		
Review NRC Regulations Title 10, Code of Federal Regulations; Part 37	July 2017	Completed
NRC course G-109 Licensing Procedures	March 14, 2019	Completed
NRC course H-117S Intro Health Physics Self-Study	March 27, 2018	Completed
Portable Gauge		
Review application guide	July 2017	Completed
Review NUREG-1556 Vol 1 guidance	July 2017	Completed
Review licensing action with ERCM manager or qualified individual	July 2017	Completed
Complete "Portable Gauge Training and Development for Evaluators" and "Transportation of RAM" modules	July 2017	Completed
3L(I) facility site visit or inspection accompaniment	11/21/17 12/13/18 6/4/19	Lisa Gavathas Lisa Gavathas Lisa Gavathas
	Date Completed	Manager Review
Satisfactory audit by manager	July 2017	C. Hamilton
Medical – 5C Outpatient		
Review regulations	August 2017	Completed
Review application guide and NUREG-1556 Vol 9 guidance	August 2017	Completed
Review "Introduction to Diagnostic Nuclear Medicine"	August 2017	Completed
Complete "Medical Use Diagnostic Nuclear Medicine" and Radiopharmaceutical Therapy" modules	August 2017	Completed
Facility site visit or inspection accompaniment	11/21/17 12/13/18 1/29/19 2/27/19	Lisa Gavathas Lisa Gavathas Lisa Gavathas Lisa Gavathas
	Date Completed	Manager Review
Satisfactory audit by manager	August 2017	C. Hamilton

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Medical – 5B Medical Institutions		
Review “Introduction to Diagnostic Nuclear Medicine”	August 2017	Completed
Complete “Medical Use Diagnostic Nuclear Medicine” and Radiopharmaceutical Therapy” modules	August 2017	Completed
Review regulations	August 2017	Completed
Review application guide and NUREG-1556 Vol 9 guidance	August 2017	Completed
Review Diagnostic licensing action with ERCM manger or qualified individual	August 2017	Completed
Review therapy and brachytherapy licensing action with ERCM manger or qualified individual	September 2017	Completed
Medical facility site visit or inspection accompaniment (visit under radiopharmacy will also suffice)	12/20/2018 3/6/19	Lisa Gavathas Lisa Gavathas
Review application guide	September 2017	Completed
Review licensing action with ERCM manger or qualified individual	September 2017	Completed
	Date Completed	Manager Review
Satisfactory audit by manager	September 2017	C. Hamilton
Radiopharmacy		
• Review application guide	January 2018	Completed
• Review licensing action with ERCM manger or qualified individual		
Complete “Radiopharmaceutical Therapy Training Manual for Evaluators” module	January 2018	Completed
Radiopharmacy facility site visit or inspection accompaniment	site visit during NRC Course 5/18/18	Completed
	Date Completed	Manager Review
Satisfactory audit by manager	June 2018	C. Hamilton
Recommended NRC courses		
H-304 Diagnostic & Therapeutic Nuclear Medicine	May 18, 2018	Completed
H-313 Brachytherapy & Gamma Knife		
H-315 Irradiator Technology		
Amendments to Existing Licenses		
Review regulations	July 2017	Completed
Review application guide	July 2017	Completed
Add Authorized User	July 2017	Completed
Change in Facility diagram	July 2017	Completed

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	Date Completed	Manager Review
Satisfactory audit by manager	August 2017	C. Hamilton
R & D Facility		
Review application guide		
Review licensing action with ERCM manger or qualified individual		
Facility site visit or inspection accompaniment		
	Date Completed	Manager Review
Satisfactory audit by manager		
Medical HDR – Teletherapy		
Review application guide	January 2018	Completed
Review licensing action with ERCM manger or qualified individual		
Medical facility site visit or inspection accompaniment		
HDR Procedures (For example, Nucletron, Varisource, Gammamed)	January 2018	Completed
IVB Guidant Procedures		
Gamma Knife Procedures		
	Date Completed	Manager Review
Satisfactory audit by manager		
Industrial Radiography		
Review application guide		
Review licensing action with ERCM manger or qualified individual		
Review NUREG-1556 Vol 2 guidance		
Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		
Facility site visit or inspection accompaniment		
NRC sponsored Industrial Radiography Course		
	Date Completed	Manager Review
Satisfactory audit by manager		
Well Logging		
Review regulations		
Review application guide and NUREG-1556 Vol 14 guidance		

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Review licensing action with ERCM manger or qualified individual		
Facility site visit or inspection accompaniment		
	Date Completed	Manager Review
Satisfactory audit by manager		
Large Irradiator		
Review regulations		
Review application guide and NUREG-1556 Vol 5 & 6 guidance		
Review licensing action with ERCM manger or qualified individual		
Facility site visit or inspection accompaniment		
	Date Completed	Manager Review
Satisfactory audit by manager		
Academic – Broad Scope		
Review regulations		
Review application guide and NUREG-1556 Vol 7 guidance		
Review licensing action with ERCM manger or qualified individual		
Facility site visit or inspection accompaniment		
	Date Completed	Manager Review
Satisfactory audit by manager		
Medical – Broad Scope		
Review regulations		
Review application guide and NUREG-1556 Vol 7 guidance		
Review licensing action with ERCM manger or qualified individual		
Facility site visit or inspection accompaniment		
	Date Completed	Manager Review
Satisfactory audit by manager		
Emerging Technologies		
F-18 Fluciclovine, Ga68, Xofigo		
GammaTile Procedures		
Zap-X		
LLRW Transportation Inspection		

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(Authorized one to perform ERCE inspections when needed- site Accompaniment required)		
Review regulations and NRC LLRW Toolbox		
Review Inspection Report with ERCM manger or qualified individual		
Lead Inspector on a supervised inspection		
	Date Completed	Manager Review
Satisfactory audit by manager		
Medical Event Investigations		
Attend Root Cause Analysis		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
	Date Completed	Manager Review
Satisfactory audit by manager		
Sealed Source and Device Registry		
Review regulations	August 2017	Completed
Review application guide and NUREG-1556 Vol 3 guidance	August 2017	Completed
Review licensing action with ERCM manger or qualified individual		
Facility site visit or inspection accompaniment		
	Date Completed	Manager Review
Satisfactory audit by manager		

JOE
MAJOR

HSERM Paul's COPY

BRC QUALIFICATION JOURNAL

Employee: Joe Major Title: Environmental Specialist II

Office: HSERM Inspector No.: 101 Date Hired: 5/21/01

SECTION A: BRC TECHNICAL STAFF CORE TRAINING

To be completed by all BRC technical staff

Course/Training	Completion Date	Manager Review
Program Orientations	06/10/01	<i>m</i>
Regulatory/Rad. Control Rules & Statutes Module	06/10/01	<i>m</i>
IS-5 Hazardous Materials Awareness, or equivalent	06/21/01	<i>m</i>
IS-100 Introduction to Incident Command System online course (within 60 days)	10/17/06	<i>m</i>
IS-200 ICS for Single Resources and Initial Action Incidents (required for Managers and Administrators only)	10/17/06	<i>m</i>
IS-301 Radiological Emergency Response	07/31/02	<i>m</i>
IS-700 National Incident Management System (within 90 days)	10/13/06	<i>m</i>
IS-800 A National Response Plan (NRP), An Introduction (required for Administrators)		
Basic Radiation Safety-prior to ARP course, prior to handling RAM (Under development)	06/21/01	<i>m</i>
Basic vehicle use, log policy, maintenance policy (prior to operating state vehicle)	02/21/07	<i>m</i>
BSTP Basic Supervisory Training Program (required for all supervisors) (within 6 months)	02/01/02	<i>m</i>
Code of Ethics video (within 30 days)	1/23/07	<i>m</i>
Cultural Diversity (within 60 days)	1/23/07	<i>m</i>
Equal Opportunity (within 30 days)	1/23/07	<i>m</i>
Information Security and Privacy (within 30 days AND annually)	1/23/07	<i>m</i>
HIPPA (within 30 days)	1/23/07	<i>m</i>
HIV/AIDS (recommended for inspection and RAM staff within 60 days)	1/23/07	<i>m</i>
DOH New Employee Orientation (within 60 days)	6/21/01	<i>m</i>
Sexual Harassment (within 30 days)	9/27/06	<i>m</i>
Workplace Safety (recommended within 60 days)	10/23/07	<i>m</i>
Violence in the Workplace (within 60 days)	10/23/07	<i>m</i>
Applied Radiation Physics course -Winter Haven	01/31/07	<i>m</i>

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IR Radiological Incident Response Course (HSERE)	01/31/07	<i>m</i>
ER HSERE Emergency Response and Survey Techniques training (Power Plant Drill)	04/18/02	<i>m</i>
(RERO) Radiological Emergency Response Operations course		<i>/</i>
PeopleFirst	05/05/04	<i>m</i>
Public Health Preparedness Orientation (within 60 days)	06/21/01	<i>m</i>
Comdata Fuel Card (prior to operating state vehicle)	02/21/07	<i>m</i>
TrackIT	01/15/08	<i>m</i>


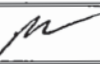
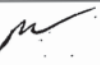
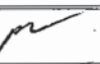

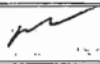
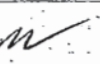
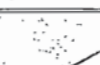
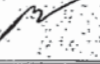

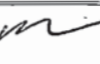
SECTION C: RAM EVALUATOR TRAINING & DEVELOPMENT

Some Areas Under Development

Items highlighted in blue must be completed within the first year of hire.

Evaluator Staff Core Requirements	Date Completed	Manager Review
Guidelines for Licensing Actions	06/21/01	<i>m</i>
Guidelines for Field Operations	12/21/01	<i>m</i>
HSERM Increased Controls	02/02/07	<i>m</i>
Amendments to Existing Licenses		
Review regulations	06/21/01	<i>m</i>
Review application guide	07/21/01	<i>m</i>
Add Authorized User	07/21/01	<i>m</i>
Change in Facility diagram	07/21/01	<i>m</i>
Portable Gauge		
Review application guide	06/21/01	<i>m</i>
Review licensing action with Manager	07/21/01	<i>m</i>
Complete "Portable Gauge Training and Development for Evaluators" module	11/14/06	<i>m</i>
Satisfactory audit by manager	08/21/01	<i>m</i>
Medical – 5C Outpatient		
Review regulations	07/21/01	<i>m</i>
Review application guide	08/21/01	<i>m</i>
Review "Introduction to Diagnostic Nuclear Medicine"	08/01/2007	<i>m</i>
Complete "Medical Use Diagnostic Nuclear Medicine" module	08/09/2007	<i>m</i>
Satisfactory audit by manager	08/09/2007	<i>m</i>
Medical – 5B Medical Institutions (under development)		
Review regulations	08/22/01	<i>m</i>
Review application guide	09/23/01	<i>m</i>
Review diagnostic licensing action with HSERM manger or qualified individual	09/23/01	<i>m</i>
Review therapy and brachytherapy licensing action with HSERM manger or qualified individual	09/23/01	<i>m</i>

Florida Bureau of Radiation Control

Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)	04/03/2007	
Review application guide	08/23/01	
Review licensing action with HSERM manger or qualified individual	08/23/01	
Facility site visit or inspection accompaniment	04/03/2007	
Satisfactory audit by manager	04/05/2007	
Radiopharmacy		
• Review application guide	05/05/03	
• Review licensing action with HSERM manger or qualified individual	05/05/03	
Complete "Radiopharmaceutical Therapy Training Manual for Evaluators" module	08/08/2007	
Satisfactory audit by manager	08/08/07	
R & D Facility(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical HDR – Teletherapy(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Medical facility site visit or inspection accompaniment	02/03/02	
HDR Procedures (For example; Nucletron; Varisource, Gammamed)		
IVB Guidant Procedures		
Gamma Knife Procedures		
Industrial Radiography(under development)		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course	02/13/03	
Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		

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Facility site visit or inspection accompaniment	03/15/03	<i>m</i>
NRC sponsored Industrial Radiography Course		
Well Logging(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Large Irradiator(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment	02/02/02	<i>m</i>
Academic – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Medical – Broad Scope(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment	02/03/02	<i>m</i>
Emerging Technologies(under development)		
IVB Procedures (For Example, Novoste Or Cordis)		
Gliasites Procedures		
Lymphoscintigraphy		
LLRW Transportation Inspection(under development)		
(Authorized one to perform HSERE inspections when needed- site Accompaniment required)	07/21/01	<i>m</i>

Florida Bureau of Radiation Control

Misadministration Investigations(under development)		
Attend Root Cause Analysis		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
Overexposure Investigation(under development)		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
SSR(under development)		
Review regulations		
Review application guide		
Review licensing action with HSERM manger or qualified individual		
Facility site visit or inspection accompaniment		
Materials Increased Controls and Security		
Attend approved MICS course (BRC or NRC)		

SECTION D X-RAY PROGRAM TRAINING & DEVELOPMENT

Under Development

X-ray Program Core Courses	Completion Date	Manager Review
X-ray Program Orientation		
X-ray Machine Fundamentals		
Bureau Rules, Policies & Procedures Review		
MQSA Coordinator	Completion Date	Manager Review
Complete MQSA Auditor requirements		
FDA contract		
MQSA corrective actions		
Complete MQSA Coordinator training		
Approval by HSERX Administrator		
Violation Corrections Coordinator/Directed Plan	Completion Date	Manager Review
Complete X-ray inspector requirements		
Service vendors		

CHARLES HAMILTON

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

Employee	Charles Hamilton	Date Hired	1993
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MODULE CORE TRAINING

☐ Also See Attached Training Output from Historical Database

1-1-2002 gml

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	Jan 02	W
Administrative/HSERM Program Orientation	March 26, 1993	W
Regulatory/ Radiation Rules & Statutes (Parts I, <input checked="" type="checkbox"/> II, <input checked="" type="checkbox"/> III, <input checked="" type="checkbox"/> IX, <input checked="" type="checkbox"/> XIII, <input checked="" type="checkbox"/> XV, <input checked="" type="checkbox"/>	04/01/93	W
Health Physics Home Study Course	07/24/93	W
HSERE Emergency Response/Survey Techniques	05/19/93	
• NRC Introduction to Health Physics		W
• NRC Licensing Course	06/18/93	W
• FEMA- RERO	04/26/96	W

MODULE MEDICAL

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	Jan 02	W
• Review regulations	08-27-93	W
• Review application guide	08-27-93	W
• Review diagnostic licensing action with HSERM manger or qualified individual	12-22-93	W
• Review therapy and brachytherapy licensing action with HSERM manger or qualified individual	02-25-98	W
• Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)	06-18-01	W
• IVB Procedures (For example, Novoste or Cordis)	Feb 2001 / Jan 2002	W
• Gliasites Procedures	9/8/05	W
• Lymphoscintigraphy	Nov 2002	W

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE MEDICAL HDR - TELETHERAPY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	Jan 02	mm
• Review regulations	Jan 2002	mm
• Review application guide	Jan 2002	mm
• Review licensing action with HSERM manger or qualified individual	02-25-98	mm
• Medical facility site visit or inspection accompaniment	10/22/03	mm
• HDR Procedures (For example, Nucletron, Varisource, Gammamed)	Jan 2002	mm
• IVB Guidant Procedures	Jan 2002	mm
• Gamma Knife Procedures	Jan 2002	mm

MODULE RADIOPHARMACY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	Jan 02	mm
• Review regulations	Jan 2002	mm
• Review application guide	Jan 2002	mm
• Review licensing action with HSERM manger or qualified individual	Jan 2002	mm
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)	06/20/01 04/25/06	mm

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE PORTABLE GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	Jan 02	m
• Review regulations	04/01/93	m
• Review application guide	04/06/93	m
• Review licensing action with HSERM manger or qualified individual	04/21/93	m
• Review a manufacturer's training manual	09/11/95	m
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)	03/11/05	m
• Attend or audit a manufacturer's training course	09/14/95	m
• Facility site visit or inspection accompaniment	03/11/05	m

MODULE FIXED GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	Jan 02	m
• Review regulations	Jan 2002	m
• Review Application Guide	Jan 2002	m
• Review Licensing Action with HSERM manger or qualified individual	Jan 2002	m
• Facility site visit or inspection accompaniment	Jan 2002	m

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE INDUSTRIAL RADIOGRAPHY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input checked="" type="checkbox"/> Interim Qualification Status Approved (If needed)	Jan 02	ny
• Review regulations	07/11/95	ny
• Review application guide	07/11/95	ny
• Review licensing action with HSERM manger or qualified individual	07/28/95	ny
• Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course	09/15/00	ny
• Read NUREG/BR 0024 "Working Safely in Gamma Radiography."	07/11/95	ny
• Facility site visit or inspection accompaniment	12/07/06	ny
• NRC sponsored Industrial Radiography Course	05/26/95	ny

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE OTHER LICENSES

Course/Training	Date ⁽¹⁾ Completed/Qualified and Manager's Initials							
<input type="checkbox"/> Interim Qualification Status Approved (If needed)	SSR <input checked="" type="checkbox"/> IQS	Well logging <input checked="" type="checkbox"/> IQS	Large Irradiator <input checked="" type="checkbox"/> IQS	Academic <input checked="" type="checkbox"/> IQS	Broad Scope <input checked="" type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS
Module Completed								
• Review regulations	Jan 02	Jan 02	Jan 02	Jan 02	Jan 02			
• Review application guide	Jan 02	Jan 02	Jan 02	Jan 02	Jan 02			
• Review licensing action with HSERM manger or qualified individual	Jan 02	Jan 02	Jan 02	Jan 02	Jan 02			
•								
•								
Supplemental Training								
• Facility site visit or inspection accompaniment	N/A	N/A	Jan 2002 ✓	Jan 2002 ✓	05/21/01 12/04/00			
•								
•								
•								

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
LLRW transportation inspection procedures (Authorized one to perform HSERE inspections when needed- site Accompaniment required)	05.26.99 train 02.11.04 inspect	
Misadministration investigations (site accompaniment required)	10/22/03	
Overexposure investigation (site accompaniment required)		
* See Attached		
For list of courses		

- (1) The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
* See Attached List		

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

HAMILTON 075: TRAINING COURSES

Radioactive Materials		
Course/Training	Completion Date	Manager Review
BRC Core Training		
Program Orientations	03/01/93	
Regulatory/Radiation Control Rules & Statutes	03/01/93	
Applied Radiation Physics – Winter Haven	04/08/04	
IR Radiological Incident Response Course (HSERE)	03/01/93	
ER HSERE Emergency Response and Survey Techniques Training (Power Plant Drill)	04/07/04	
Radiological Emergency Response Operations (RERO)	04/26/96	
RAM Program Training		
Radioactive Materials Training Course	05/19/93	
R. Adams Group – Radiation Protection Technology 60 hr.	07/24/93	
Portable Nuclear Moisture/Density Gauge Training Module	09/13/06	
Diagnostic Nuclear Medicine Training Module	01/18/07	
RAM Program Advanced Training		
Introduction to Health Physics NRC		
Introduction to Licensing Practices NRC 40 Hour	06/18/93	
Medical Uses of Radionuclides Oak Ridge 40 Hour	03/17/95	
Medical Use of Radionuclides NRC	05/26/95	
Inspection Procedures Course (G-108) NRC	09/15/00	
Manufacturer's MDG Operator Training 8 Hour	09/14/1995	
Safety Aspects of Industrial Radiography (H-305)	05/26/95	
MARSSIM Training (ENV 351)	01/12/99	
Low Level Radioactive Waste Transportation 16 hour	05/25/99	

EMERGENCY RESPONSE		
IS 301 Radiological Emergency Response	02/27/96	
Radiological Emergency Response Operations	04/26/96	
IS-195 Basic Incident Command System	05/24/04	
IS-700 National Incident Management System	04/17/06	
HAZMAT		
Hazardous Materials Awareness or Equivalent IS-5		
Basic HAZMAT Training @ PG Course	09/14/97	
Awareness Level Hazardous Materials 8 Hour	05/15/02	
Technician Level Hazardous Materials 40 Hour	06/20/03	
Radiological Hazardous Materials Specialist	07/20/04	
Operations Level Refresher Course	11/24/04	
Technician Level HAZWOPER Refresher Course	09/22/05	
Technician Level HAZWOPER Refresher Course	12/01/06	
Specialty Training Investigations		
Basic Investigations Pat Thomas Criminal Justice Training	05/07/04	
Root Cause Analysis Workshop	10/06/2006	
General and Other Training		
Customer Service Training – Performance & Development	09/12/96	
FEHA Course	07/27/04	
Current and Future Radiation Control Issues	07/27/04	
ESF 8 Overview	05/04/05	
Technology and Policy Advances in Radiation Control	09/29/05	

Computer Training		
Introduction MS Word 5.5	04/07/93	
Intermediate MS Word 5.5	04/09/96	
Intermediate Word 6.0	02/17/95	
Advanced MS Word 6.0	08/23/95	
Intermediate Harvard Graphics	08/07/95	
Access 2000 Introduction – Advanced	05/02/02	

JOY

STEPHENSON

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

Employee	<i>Joy Stephenson</i>	Date Hired	<i>1988</i>
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MODULE CORE TRAINING

☐ Also See Attached Training Output from Historical Database

1-1-2002
AM

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
Administrative/HSERM Program Orientation		
Regulatory/ Radiation Rules & Statutes (Parts I, <input checked="" type="checkbox"/> II, <input checked="" type="checkbox"/> III, <input checked="" type="checkbox"/> IX, <input checked="" type="checkbox"/> XIII, <input checked="" type="checkbox"/> XV, <input checked="" type="checkbox"/>	<i>Pre 88</i>	<i>ms</i>
Health Physics Home Study Course		
HSERE Emergency Response/Survey Techniques	<i>6/14/05</i>	<i>m</i>
• NRC Introduction to Health Physics		
• NRC Licensing Course	<i>7/18/88</i>	<i>ms</i>
• FEMA- RERO	<i>6/17/05</i>	<i>m</i>

MODULE MEDICAL

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations		
• Review application guide		
• Review diagnostic licensing action with HSERM manger or qualified individual		
• Review therapy and brachytherapy licensing action with HSERM manger or qualified individual		
• Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)		
• IVB Procedures (For example, Novoste or Cordis)	<i>2/8/01</i>	<i>ms</i>
• Gliasites Procedures	<i>9/8/05</i>	<i>ms</i>
• Lymphoscintigraphy	<i>7/9/09</i>	<i>m</i>

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE MEDICAL HDR - TELETHERAPY

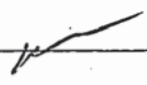

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	6/88	m
• Review application guide	6/88	m
• Review licensing action with HSERM manger or qualified individual	7/88	m
• Medical facility site visit or inspection accompaniment	Pic - 88 - inspector	
• HDR Procedures (For example, Nucletron, Varisource, Gammamed)	7/8/88	m
• IVB Guidant Procedures	2/10/03	m
• Gamma Knife Procedures	10/24/05	m

MODULE RADIOPHARMACY

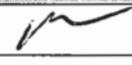
Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	2/9/99	m
• Review application guide	2/9/99	m
• Review licensing action with HSERM manger or qualified individual	2/11/99	m
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)	5/21/03	m

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE PORTABLE GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	Pre-1988 Inspector Broward Co.	
• Review application guide		
• Review licensing action with HSERM manger or qualified individual		
• Review a manufacturer's training manual		
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)		
• Attend or audit a manufacturer's training course	In house 11/14/06	
• Facility site visit or inspection accompaniment		

MODULE FIXED GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations	Pre-1988 Inspector Broward Co.	
• Review Application Guide		
• Review Licensing Action with HSERM manger or qualified individual		
• Facility site visit or inspection accompaniment		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE INDUSTRIAL RADIOGRAPHY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations		
• Review application guide		
• Review licensing action with HSERM manger or qualified individual		
• Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
• Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		
• Facility site visit or inspection accompaniment		
• NRC sponsored Industrial Radiography Course		

Pan American Airlines

6/12/88

[Signature]

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE OTHER LICENSES

Course/Training	Date ⁽¹⁾ Completed/Qualified and Manager's Initials							
<input type="checkbox"/> Interim Qualification Status Approved (If needed)	SSR <input checked="" type="checkbox"/> IQS	Well logging <input checked="" type="checkbox"/> IQS	Large Irradiator <input checked="" type="checkbox"/> IQS	Academic <input type="checkbox"/> IQS	Broad Scope <input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS
Module Completed	9/16/11							
• Review regulations		11/98	1/95					
• Review application guide		11/98	1/95					
• Review licensing action with HSERM manger or qualified individual		11/98	1/95					
•								
•								
Supplemental Training								
• Facility site visit or inspection accompani ment								
•								
•								
•								

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
LLRW transportation inspection procedures (Authorized one to perform HSERE inspections when needed- site Accompaniment required)		
Misadministration investigations (site accompaniment required)		
Overexposure investigation (site accompaniment required)		
<i>Hazmat Awareness</i>	<i>6/14/05</i>	<i>✓</i>

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date⁽¹⁾ Completed/Qualified	Manager's Initials

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

**PAUL
VAUSE**

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

Employee	Paul Vause, JR	Date Hired	1985
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MODULE CORE TRAINING

1-1-2002 *my*

☒ Also See Attached Training Output from Historical Database

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
Administrative/HSERM Program Orientation		
Regulatory/ Radiation Rules & Statutes (Parts I, <input type="checkbox"/> II, <input type="checkbox"/> III, <input type="checkbox"/> IX, <input type="checkbox"/> XIII, <input type="checkbox"/> XV, <input type="checkbox"/>)		
Health Physics Home Study Course		
HSERE Emergency Response/Survey Techniques		
• NRC Introduction to Health Physics		
• NRC Licensing Course		
• FEMA- RERO		

MODULE MEDICAL

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations		
• Review application guide		
• Review diagnostic licensing action with HSERM manager or qualified individual		
• Review therapy and brachytherapy licensing action with HSERM manager or qualified individual		
• Medical facility site visit or inspection accompaniment (Visit under radiopharmacy will also suffice)		
• IVB Procedures (For example, Novoste or Cordis)		
• Gliasites Procedures		
• Lymphoscintigraphy		

9/8/05

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE MEDICAL HDR - TELETHERAPY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations		
• Review application guide		
• Review licensing action with HSERM manager or qualified individual		
• Medical facility site visit or inspection accompaniment		
• HDR Procedures (For example, Nucletron, Varisource, Gammamed)		
• IVB Guidant Procedures		
• Gamma Knife Procedures		

MODULE RADIOPHARMACY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations		
• Review application guide		
• Review licensing action with HSERM manager or qualified individual		
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE PORTABLE GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations		
• Review application guide		
• Review licensing action with HSERM manger or qualified individual		
• Review a manufacturer's training manual		
• Facility site visit or inspection accompaniment (Visit of a medical facility will suffice)		
• Attend or audit a manufacturer's training course		
• Facility site visit or inspection accompaniment		

MODULE FIXED GAUGE

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
• Review regulations		
• Review Application Guide		
• Review Licensing Action with HSERM manger or qualified individual		
• Facility site visit or inspection accompaniment		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE INDUSTRIAL RADIOGRAPHY

Course/Training	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
<input type="checkbox"/> Interim Qualification Status Approved (If needed)		
<ul style="list-style-type: none">• Review regulations		
<ul style="list-style-type: none">• Review application guide		
<ul style="list-style-type: none">• Review licensing action with HSERM manager or qualified individual		
<ul style="list-style-type: none">• Attend or review in-house industrial radiography presentation given at NRC's Inspection Procedures Course		
<ul style="list-style-type: none">• Read NUREG/BR 0024 "Working Safely in Gamma Radiography."		
<ul style="list-style-type: none">• Facility site visit or inspection accompaniment		
<ul style="list-style-type: none">• NRC sponsored Industrial Radiography Course		

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

MODULE OTHER LICENSES

Course/Training	Date ⁽¹⁾ Completed/Qualified and Manager's Initials							
<input type="checkbox"/> Interim Qualification Status Approved (If needed)	SSR 1998 <input checked="" type="checkbox"/> IQS	Well logging <input type="checkbox"/> IQS	Large Irradiator <input type="checkbox"/> IQS	Academic <input type="checkbox"/> IQS	Broad Scope <input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS	<input type="checkbox"/> IQS
Module Completed								
• Review regulations	PCP/AMBL							
• Review application guide	PCP/AMBL							
• Review licensing action with HSERM manger or qualified individual	PCP/AMBL							
•								
•								
Supplemental Training								
• Facility site visit or inspection accompaniment	PCP-MS AMBL-MS JSD/ASD m/j/v							
•								
•								
•								

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date ⁽¹⁾ Completed/Qualified	Manager's Initials
LLRW transportation inspection procedures (Authorized one to perform HSERE inspections when needed- site Accompaniment required)		
Misadministration investigations (site accompaniment required)		
Overexposure investigation (site accompaniment required)		

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

HSERM LICENSING EVALUATOR QUALIFICATION JOURNAL

ADDITIONAL SUPPLEMENTAL RADIOACTIVE MATERIAL TRAINING

Course/Training Description	Date⁽¹⁾ Completed/Qualified	Manager's Initials

- ⁽¹⁾ The date January 1, 2002 is entered in this column for staff hired and received training prior to this date. They are considered qualified to perform independent radioactive material licensing actions. When the actual date is known it will be entered.

RADIOACTIVE MATERIALS INSPECTION REPORT

** Left clicking on icons will open help dialogues.

<input type="checkbox"/> LICENSE/CONTROL NUMBER 		AMENDMENT 		<input type="checkbox"/> LICENSEE NAME 																																					
PRIORITY 	Exit Interview Comments																																								
DATE(S) 	E. EXIT INTERVIEW When the inspection is over, there should be an exit meeting with the most senior licensee representative present at the facility. Before the exit interview with senior management, the RSO should be informed of the preliminary findings that will be presented to management to resolve any potential oversights, communication errors or misunderstanding during the inspection. For record violations or violations that are based on not having records available, he must be told which records are missing and asked to produce them before the end of the exit interview. During the exit interview with senior management, it should be made clear which records are missing and that they have until the end of the exit interview to find them or they will be cited. The management needs to state that they understand which records are missing and their understanding documented in the exit interview. If senior management representative is unavailable for the exit interview, the inspector may hold a an exit interview with appropriate staff on site. It may be appropriate to have the exit interview with a senior management representative as soon as practical after the inspection by telephone conference call. During the exit interview, the licensee representatives should be told that the inspection findings are preliminary and they will receive in writing a final determination. The inspector should address all safety related concerns, unresolved items and status of previously identified violations. The inspector must indicate in the report the items discussed during the exit interview and comments made by the licensee. This would include whether they agree, disagree, etc. with the inspection findings, whether they provide statements on how they intend to address various issues and the date they intend to implement these changes. If senior management is not available, the inspector must document who the exit interview was held with and efforts to contact senior management.																																								
INSPECTION OFFICE 	<input type="checkbox"/> ANNOUNCED <input type="checkbox"/> ROUTINE / FULL <input type="checkbox"/> ROUTINE / PARTIAL <input type="checkbox"/> INITIAL / FULL <input type="checkbox"/> INITIAL / PARTIAL <input type="checkbox"/> OTHER (Describe)																																								
<input type="checkbox"/>	<input type="checkbox"/>																																								
Lead 	<input type="checkbox"/>																																								
<input type="checkbox"/>	<input type="checkbox"/>																																								
<input type="checkbox"/>	<input type="checkbox"/>																																								
<input type="checkbox"/>	<input type="checkbox"/>																																								
Peer Rev 	<input type="checkbox"/>																																								
Auditor 	<input type="checkbox"/>																																								
Reviewer 	<input type="checkbox"/>																																								
<input type="checkbox"/> PER	<input type="checkbox"/>																																								
<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																									
<input type="checkbox"/> Entrance interview comments																																									
<input type="checkbox"/> Scope of licensed activities																																									
<input type="checkbox"/> INSPECTOR'S NAME 		REPORT DATE 		REVIEWER'S NAME 																																					

INSPECTION RESULTS

<input type="checkbox"/> A. VIOLATIONS 	<input type="checkbox"/> Yes <input type="checkbox"/> No	Inspection Toolbox Violations
<input type="checkbox"/> B. UNRESOLVED 	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> C. LICENSING ACTIONS 	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> D. RECOMMENDATIONS 	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> E. EXIT INTERVIEW COMMENTS OR STATEMENTS 	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> F. NOTES 	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Part 37 & RAM/Security Training

September 11 & 12, 2019

Agenda

September 11

Topic

1:00 – 1:30	Part 37 Licensing/Application Process	Joy
1:30 - 3:00	Part 37/IC Pre-license Inspection & Revised Inspection SOP's	Leo/Ken
3:00 – 3:15	BREAK	
3:15 – 3:45	Investigations/Medical Events	Kevin
3:45 – 4:00	Preparation for Hospital Visit	Cindy/Lisa
4:00 – 4:30	Travel to Hospital Facility	
4:30 – 7:00	Presentations/Demonstrations/Discussions at Hospital	

September 12

8:30 – 10:15	Part 37 Overview – presented by NRC	John Miller
10:15– 10:30	BREAK	
10:30 – 12:30	Part 37 Overview - continued	
	LUNCH NOTE: lunch will be brought into the lab	
12:30 – 1:30	Closeout Discussion	ALL
1:30 – 2:30	Inspection Issues	Jorge/Inspectors

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



Ron DeSantis
Governor

Scott A. Rivkees, MD
State Surgeon General

Vision: To be the **Healthiest State** in the Nation

July 25, 2019

Evangelos Gavathas, Ph.D.
Chief Medical Physicist
Tallahassee Memorial Cancer Center
1775 One Healing Place
Tallahassee, Florida 32308

Dear Dr. Gavathas:

The Bureau of Radiation Control, Radioactive Materials and Inspection sections are charged with ensuring the safety of Florida's citizens and staying abreast of the latest research and trainings. This is a request for our radioactive materials administrator, evaluators and inspectors to participate in the training course provided by the Tallahassee Memorial Cancer Center on August 10, 2019. We believe this training will help to expand our knowledge and improve efficiency in regulating licensees. As an experienced chief medical physicist and radiation safety officer, your insight and expertise in the requirements of the Florida Administrative Code will be invaluable.

Our objective is to discuss general rules and regulations in the use of high dose rate afterloaders, including physical security, treatment planning, shielding and calibration.

We appreciate your interest in helping to expand the knowledge of our team and look forward to speaking with you soon to confirm our participation. Please feel free to contact me at (850) 245-4266 if you have any questions.

Sincerely,

Cynthia Becker, M.P.H.
Bureau Chief
Bureau of Radiation Control

Agenda: State of Florida Department of Health Bureau of Radiation Control Engagement

Mission: The mission for the ORS is to reduce and protect vulnerable nuclear and radiological materials located at civilian sites worldwide. ORS supports the U.S. DOE's Nuclear Security goal by preventing terrorists from acquiring nuclear and radiological materials that could be used in weapons of mass destruction or other acts of terrorism. In 2007, ORS established a multi-year program to offer free voluntary security upgrades to domestic sites that use high-risk radiological sources and/or nuclear materials. This voluntary program is supported by the Nuclear Regulatory Commission, the Department of Homeland Security, the Domestic Nuclear Detection Office, and the Agreement State Radiation Control Programs. Under the program, security experts from the DOE's national laboratories, led by the NNSA, provide security assessments, share observations and make recommendations for enhancing security at no cost to the site. In addition, the domestic program coordinates alarm response training and site-specific scenario exercises to provide sites with the tools and knowledge needed to respond to a terrorist incident.

Date: **September 5, 2019**

Contact: Lynne Andresen, BAS, RT(R) (MR)
Environmental Specialist III/ Enforcement Coordinator
Florida Department of Health, Bureau of Radiation Control/ Radiologic Technology Program
4052 Bald Cypress Way, Bin C21
Tallahassee, FL 32399-1741
Phone: (850) 558-9762
Lynne.Andresen@flhealth.gov

Time	Activity
1:30 PM	<ul style="list-style-type: none"> • ORS Team Arrives at facility • Set up in conference room and connect laptop to projector for presentations
2:00 PM	<ul style="list-style-type: none"> • ORS Overview Presentation <ul style="list-style-type: none"> – ORS Summary Video – Threat Information – Radiological Security Incidents – ORS Mission & Strategies <ul style="list-style-type: none"> • Protect • Reduce • Remove • Additional ORS Program Activities – Typical Security Enhancement Process
3:00 PM	<ul style="list-style-type: none"> • 10 CFR Part 37 Discussions
3:30 PM	<ul style="list-style-type: none"> • Sample Gamma Knife Upgrades
3:45 PM	<ul style="list-style-type: none"> • Overview of ORS Engagement in Florida
4:00 PM	<ul style="list-style-type: none"> • Open discussions

State Institution Licensees with RAM significant quantities

License	Category	Name	64E-5.217(2)(a) Exempt	Bond Risk Factor <\$30K	Address
0031-3	3M(2) II	UNIVERSITY OF FLORIDA	YES	YES	Radiation Control and Radiological Department P.O. Box 118340, 212 Nuclear Sciences Center Gainesville, FL 32611-2055
1319-1	3M(2) II	UNIVERSITY OF MIAMI	YES	YES	Radiation Control Center P. O. Box 016960 (R-61) Miami, FL 33101
0651-3	3L(3) III	FLORIDA INSTITUTE OF TECHNOLOGY, INC.	YES	YES	Department of Biological Sciences 150 West University Boulevard Melbourne, FL 32901-6988
0811-1	3L(3) III	UNIVERSITY OF WEST FLORIDA Environmental Health & Safety Office	YES	YES	Attn: Derek S. Krepp 11000 University Parkway, Bldg. 95 Pensacola, FL 32514-5751
0846-1	3L(3) III	FLORIDA A&M UNIVERSITY	YES	YES	Dept. of Environmental Health & Safety Plant Operations Building, Suite 100 Tallahassee, FL 32307
1010-1	3L(3) III	HILLSBOROUGH COMMUNITY COLLEGE	YES	YES	Division of Health Sciences Post Office Box 30030 Tampa, FL 33630-3030
3001-1	3L(3) III	UNIVERSITY OF NORTH FLORIDA	YES	YES	Attn.: Radiation Safety Officer 1 UNF Drive Jacksonville, FL 32224
3191-1	3L(3) III	NOVA SOUTHEASTERN UNIVERSITY, INC.	YES	YES	Attn: Dr. Patrick Hardigan, Health Professions Div 3200 South University Drive Ft. Lauderdale, FL 33328-2018
3774-1	3L(3) III	FLORIDA GULF COAST UNIVERSITY	YES	YES	10501 FGCU Boulevard South Environmental Health & Safety Fort Myers, FL 33965-6565
0032-10	3M(1) III	FLORIDA STATE UNIVERSITY Department of Environmental Health and Safety	YES	NO	Radiation Safety Office Milton Carothers Hall, Suite 1200 Tallahassee, FL 32306-4481
0076-13	3M(1) III	UNIVERSITY OF MIAMI JACKSON MEMORIAL MEDIC	YES	NO	Radiation Control Center (R-61) Post Office Box 016960 Miami, FL 33101
0356-1	3M(1) III	UNIVERSITY OF FLORIDA	YES	YES	212 Nuclear Science Center, P.O. Box 118340 Gainesville, FL 32611-2055
0734-4	3M(1) III	FLORIDA ATLANTIC UNIVERSITY	YES	YES	Radiation Safety Office, EH&S 777 Glades Road, Building #69, Room 112 Boca Raton, FL 33431
0806-1	3M(1) III	UNIVERSITY OF SOUTH FLORIDA	YES	YES	Radiation Safety Office 12901 Bruce B. Downs Boulevard, MDC 35 Tampa, FL 33612-4799
3669-1	3M(1) III	FLORIDA INTERNATIONAL UNIVERSITY	YES	YES	Environmental Health & Safety 11200 SW 8th Street, AHC4, Room 120 Miami, FL 33199
4095-1	3M(1) III	THE SCRIPPS RESEARCH INSTITUTE, INC.	YES	YES	130 Scripps Way Jupiter, FL 33458
4187-1	3M(1) III	UNIVERSITY OF CENTRAL FLORIDA	YES	YES	3512 Perseus Loop, Building 48 Orlando, FL 32816-3500
0882-1	3E	RIVERVIEW HIGH SCHOOL	YES	YES	One Ram Way Sarasota, FL 34231

Amendments Overdue for Adoption						
RATS	NRC Tracking	ACTION STEP	RESPONSIBLE PERSON	START DATE	COMPLETION DATE	STATUS/COMMENTS
RATS 2013-1	RATS 2013-1 Physical Protection of Byproduct Material (10 CFR Parts 20, 30, 32, 33, 34, 35, 36, 37, 39 and 71 78 FR 16922, due for Agreement State adoption by 8/19/16)	6/27/19 ltr submitted to NRC with part 37 LC. NRC Reply 8/1/19 with minor change to LC (Add NRC mail address to get fingerprint card form). FL submitted revised LC 8/8/2019 for NRC Review NRC Acknowledge receipt of letter 8/12/19	Mike Stephens	6/27/2019	NRC letter dated 8/1/2019 received with one comment regarding adding a mailing address where to obtain fingerprint cards form from NRC. Revised/Updated License Condition submitted to NRC on 8/8/2019 listing mailing address. NRC Acknowledged receipt 8/12/19	DONE - 8/8/2019 revised license condition adding a mailing address is minor and self evident change.
RATS 2015-1	RATS 2015-1 Domestic Licensing of Special Nuclear Material – Written Reports and Clarifying Amendments (10 CFR Part 70 amendment 79 FR 57721, 80 FR 143, due for Agreement State adoption by 1/26/18)	6/27/19 ltr submitted to NRC with part 37 LC. NRC Reply 8/1/19 with minor change to LC and NO Comments in NRC 8/1/2019 letter on RATS 2015-1	Mike Stephens	6/27/2019	8/1/2019	DONE - NRC 8/1/2019 letter had no comments regarding this RATS
RATS 2015-2	RATS 2015-2 Safeguards Information – Modified Handling Categorization, Change for Materials Facilities (10 CFR Parts 30, 37, 73 and 150 amendment 79 FR 58664, 80 FR 3865 due for Agreement State adoption by 1/2/18)	6/27/19 ltr submitted to NRC with part 37 LC. NRC Reply 8/1/19 with minor change to LC and NO Comments in NRC 8/1/2019 letter on RATS 2015-2	Mike Stephens	6/27/2019	8/1/2019	DONE - NRC 8/1/2019 letter had no comments regarding this RATS
RATS 2015-4	RATS 2015-4 Miscellaneous Corrections (10 CFR Parts 37 and 40 amendment 80 FR 45841 due for Agreement State Adoption by 9/2/18)	6/27/19 ltr submitted to NRC with part 37 LC. NRC Reply 8/1/19 with minor change to LC and NO Comments in NRC 8/1/2019 letter on RATS 2015-4	Mike Stephens	6/27/2019	8/1/2019	DONE - NRC 8/1/2019 letter had no comments regarding this RATS
RATS 2015-5	RATS 2015-5 Miscellaneous Corrections 10 CFR Parts 19,20,30,32,27,40,61,70,71 and 150 amendment (80 FR 74974), that was due for Agreement State adoption by December 31, 2018	6/27/19 ltr submitted to NRC with part 37 LC. NRC Reply 8/1/19 with minor change to LC and NO Comments in NRC 8/1/2019 letter on RATS 2015-5	Mike Stephens	6/27/2019	8/1/2019	DONE - NRC 8/1/2019 letter had no comments regarding this RATS
RATS 2011-1	RATS 2011-1 Decommissioning Planning (10 CFR parts 20, 30, 40, and 70 amendment 76 FR 35512, due for Agreement State adoption by 12/17/15)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
RATS 2012-2	RATS 2012-2 Advance Notification to Native American Tribes of Transportation of Certain Types of Nuclear Waste (10 CFR Part 71 amendment 77 FR 34194, due for Agreement State Adoption by 8/10/15)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
RATS 2012-3	RATS 2012-3 Technical Corrections (10 CFR Parts 30, 34, 40 and 71 amendment 77 FR 39899, due for Agreement State adoption by 8/6/15)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
RATS 2012-4	RATS 2012-4 Requirements for Distribution of Byproduct Material (10 CFR Parts 30, 31, 32, 40 and 70 amendment 77 FR 43666, due for Agreement State adoption by 10/23/15)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
RATS 2013-2	RATS 2013-2 Distribution of Source Material to Exempt Persons and to General Licensees and Revision of General License and Exemption (10 CFR Parts 30, 40 and 70 78 FR 32310, due for Agreement State adoption by 8/27/16)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	

Amendments with 30 Outstanding Comments from NRC (includes safety significant issues)
Note 12 of the 30 items were medical T&E comments that NRC finished Jan 2019 which were included in rule changes

Based on NRC 05-01-2015 letter Multiple RATS

RATS	NRC Tracking	ACTION STEP	RESPONSIBLE PERSON	START DATE	COMPLETION DATE	STATUS/COMMENTS
NRC LETTER 05-05-2015 Multiple RATS	Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiography Operations (10 CFR Parts 30, 34, 71 and 150 amendment 62 FR 28947 due for Agreement State Adoption by 6/27/00)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
NRC LETTER 05-05-2015 Multiple RATS	Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material (10 CFR Parts 30, 31, 32 amendment 65 FR 79162 due for Agreement State adoption by 2/16/04 – 10 CFR Part 32 only)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
NRC LETTER 05-05-2015 Multiple RATS	Medical Use of Byproduct Material (10 CFR 20, 32 and 35 amendment 67 FR 20249 due for Agreement State adoption 10/24/05)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
NRC LETTER 05-05-2015 Multiple RATS	Medical Use of Byproduct Material – Recognition of Specialty Boards (10 CFR Part 35 amendment 70 FR 16336, 71 FR 1926 due for adoption 4/29/08)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
NRC LETTER 05-05-2015 Multiple RATS	Minor Amendments (10 CFR Parts 20, 30, 32, 35, 40 and 70 amendment 71 FR 15005 due for Agreement State adoption 3/27/09 – 10 CFR Part 32 and 35 only)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
NRC LETTER 05-05-2015 Multiple RATS	Exemptions from Licensing, General Licenses, and Distribution of Byproduct Material: Licensing a Reporting Requirements (10 CFR Parts 30, 31, 32 and 150 amendment 72 FR 58473 due for Agreement State adoption by 12/17/10)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
NRC LETTER 05-05-2015 Multiple RATS	Requirements for Expanded Definition of Byproduct Material (10 CFR Parts 20, 30, 31, 33, 35, 61 and 150 amendment 72 FR 55864 due for Agreement State adoption by 11/30/10)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	
NRC LETTER 05-05-2015 Multiple RATS	Medical Use of Byproduct Material – Authorized User Clarification (10 CFR Parts 35 amendment (74 FR 33901 due for Agreement State adoption by 9/28/12)	Draft Rule language and submit to NRC for review and comment	Mike Stephens	Rule Text Drafted:	Rule Text Drafted: Compiling with other RATS rule text to Submit Draft to NRC for Review by 09/17/2019	

10 CFR Part 71 Regulations That Should Not Be Adopted by Florida mentioned in IMPEP Draft Report

RATS	NRC Tracking	ACTION STEP	RESPONSIBLE PERSON	START DATE	COMPLETION DATE	STATUS/COMMENTS
RATS 2015-3	Revisions to Transportation Safety Requirements and Harmonization with International Atomic Energy Agency Transportation Requirements; Including Corrections 10 CFR Part 71 (80 FR 33987, Published June 12, 2015 and 80 FR 48683, Published August 14, 2015)	DRAFT Rule text using Part 71 Harmonization Rule language that not due until 8-15-2020	Mike Stephens		8/15/2020	

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F-18 Fluciclovine, Ga68, Xofigo		
GammaTile Procedures		
Zap-X		
RadioGenix™ Molybdenum-99/Technetium-99m Generator		
Radium-223 Dichloride		
TheraSphere and SIRSpheres Yttrium-90 Microspheres		
LLRW Transportation Inspection		
(Authorized one to perform ERCE inspections when needed-site Accompaniment required)		
Review regulations and NRC LLRW Toolbox		
Review Inspection Report with ERCM manger or qualified individual		
Lead Inspector on a supervised inspection		
	Date Completed	Manager Review
Satisfactory audit by manager		
Medical Event Investigations		
Attend Root Cause Analysis		
Accompany an investigation		
Lead Investigator on a supervised investigation		
Certified to BRC standards		
	Date Completed	Manager Review
Satisfactory audit by manager		
Sealed Source and Device Registry		
<p>Review NRC regulations in CFR Title 10 Energy Chapter I</p> <ul style="list-style-type: none"> • Part 21 - Reporting of defects and noncompliance • Part 30.19 - Self-luminous products containing tritium, krypton-85, or promethium-147 • Part 30.20 - Gas and aerosol detectors containing byproduct material • Part 31.5 - Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere (devices used under the general license in Part 31.5) • Part 31.7 - Luminous safety devices for use in aircraft • Part 31.10 - General license for strontium-90 in ice detection devices • Parts 34.20, 34.21, 34.27 - Radiography equipment • Parts 39.31(a), 39.35, 39.41 - Well-logging equipment • Parts 36.21(a), 36.59 - Irradiators • Part 32.74 - Sealed sources and devices for medical use • Part 32.30 - Certain industrial devices containing by-product 		

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material: Requirements for license to manufacture, process, produce, or initially transfer		
Review NRC application guide NUREG-1556 Vol 3 guidance		
Review NRC guidance Information Notice 96-20		
Review NRC guidance Regulatory Issue Summary RIS 13-01		
Recommend an NRC SS&DR course or similar		
Recommend Site visit or inspection accompaniment		
Review at least three different cases with ERCM manger or qualified individual		
Review licensing action with ERCM manger or qualified individual		
	Date Completed	Manager Review
Satisfactory audit by manager		

SECTION D

ERCX:

X-RAY PROGRAM TRAINING & DEVELOPMENT

ERCX X-ray Program Core Courses	Completion Date	Manager Review
X-ray Program Orientation		
X-ray Machine Fundamentals		
Bureau Rules, Policies & Procedures Review		
Program SOP's in BRCpedia		
MQSA Coordinator	Completion Date	Manager Review
Complete MQSA Auditor requirements		
FDA contract		
MQSA corrective actions		
Complete MQSA Coordinator training		
Approval by ERCX Administrator		
Violation Corrections Coordinator/Directed Plan	Completion Date	Manager Review
Complete X-ray inspector requirements		
Service vendors		
Radiation machine regulations		
Corrective actions		
Approval by ERCX Administrator		
Contract Inspections Coordinator	Completion Date	Manager Review
Complete CDRH inspection training		