

RADIATION ADVISORY COMMITTEE

Robert Berry, Chair

David Howe, Program Director
Radiation Protection Services

February 12, 2025





TELECONFERENCE PROCEDURES



- Record phone-in number and pass code (in case you lose connectivity)
- Phone-in number and conference ID# provided in Teams invitation email
- If phoning into meeting, use PowerPoint slides to follow meeting
- To unmute self, press *6



- Video (of yourself) is optional
- Please mute your microphones unless speaking
- Use the “raise hand” feature if you have a question
- When speaking, begin by stating your name when you are finished
- RPS staff will use screen share to share PowerPoint information and handouts
- The meeting will be recorded for purposes of accuracy in the minutes

RADIATION ADVISORY COMMITTEE MEETING AGENDA
FEBRUARY 12, 2025 – HYBRID MEETING
800 NE OREGON ST., PORTLAND, OREGON
PHONE-IN NUMBER 1-971-277-2343 ID: 601 567 653#

(* = ACTION ITEMS)

RADIATION ADVISORY COMMITTEE MEETING AGENDA
February 12, 2025 – Hybrid Meeting
800 NE Oregon St., Portland, Oregon
Phone-In Number 1-971-277-2343 ID: 601 567 653#

(* = Action Items)

- 10:00 a.m. Registration/Public Session**
- Call Meeting to Order – Bob Berry, Chair
 - Introduction of guests
 - Approval of Minutes – Bob Berry
 - * Appointment of RAC Members – Dr. Saulo Sousa Melo and Mechele Livran
- 10:30 a.m. 2024 RPS Annual Summary – David Howe Program Updates**
- RPS Budget – David Howe, Program Director, RPS
 - Electronic / Tanning Products Update – Brent Herring, Lead X-ray Inspector
 - Radioactive Materials Licensing – Hillary Haskins, Operations Manager
 - Emergency Response / Incidents – Hillary Haskins
 - RPS Training – Hillary Haskins
 - Updated State Radiological Response Plan – Todd Carpenter, Licensing Manager
 - Emergency Response Equipment Upgrades (HSPR monies) – Hillary Haskins
 - Lab floor, Satellite Phone, Backup Cameras for ERT Trucks
 - RadEyes
 - 2025 Priorities – David Howe

BREAK

- 11:15 a.m. Exemptions/Rules/Statutes/Protocols – Brent Herring**
- Current number of Veterinary Facility CT/Fluoroscopy Exemptions
 - Operator Training Requirements in Veterinary Facilities with CT/Fluoro machines
 - SkinCure Dermatologist Trainer Qualifications Exemption – Less than 3 years experience
 - Bone Density (Body Mass Index Screenings - DEXAscan)
 - Non-Oregon Physicians ordering/interpreting images
 - New Protocol for Inspecting Veterinary Facilities
 - Radiation Reduction Gloves for Veterinary Facilities
- Legislative Bills**
- 2025 Long Session (January to June) – David Howe
- Rulemaking**
- Internal Updating Therapy Rules – Todd Carpenter
- 11:45 a.m. Lunch**
- 12:15 p.m. Emergency Preparedness/Response**
- Incidents:
 - Allegation regarding radiation injury from converted air conditioning units – Tom Pfahler, Inspector
 - Amazon sales website for pens – Todd Carpenter
 - HSPR Intern – Robin Holm
 - First Responder/Receiver & Community Reception Center Training Updating
- 12:45 p.m. New Business**
- 2025 Mandatory RAC Member Training – David Howe
- 1:30 p.m. PUBLIC COMMENTS:**
- 2:00 p.m. Announcements \\ Next meeting scheduled for June 11, 2025 /Adjourn**

INTRODUCTIONS STAFF AND GUESTS



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APPROVAL OF MINUTES FROM OCTOBER 16, 2024



Radiation Advisory Committee Meeting



**2025 RAC
MEMBER
CANDIDATE
APPOINTMENT**

Dr. Saulo Sousa Melo
2025-2028 Term

Mechele Livran
2025-2028 Term

2024 ANNUAL SUMMARY REPORT



RPS BUDGET

DAVID HOWE
PROGRAM DIRECTOR

RPS Expense Summary as of 09/30/2024					
Grant Title	Beginning Balance	Revenue AY25/Budget	Accrued Revenue	Expenditure	Remaining Balance
RPS Grain Analysis Lab Fee	(39.29)	13,860.00	-	7,620.83	6,199.88
RPS X-Ray Registration Fee	2,208.79	3,255,524.63		2,888,513.71	369,219.71
RPS Radioactive Materials License (RML)	1,370.20	1,393,515.07		1,507,066.42	(112,181.15)
RPS Tanning Device Registration	187,728.95	188,618.82	1,620.00	229,103.39	147,244.38
RPS ODOE 1st RESP/REC TRNG		37,074.87	-	-	37,074.87
RPS Metro Rad Mat Disposal	19,479.33	18,400.07	-	37,900.49	(21.09)
RPS Metro Rad Mat Disposal	-	50,873.84	-	(812.07)	51,685.91
RPS ODOE Rad. Training (Internal)	35.42			2,331.23	-
RPS ODOE Rad. Training (Internal)	-	58,800.00	-	27,147.44	31,652.56
RPS Mammography Fac Inspection PH24	82,086.74	294,680.00		50,131.71	326,635.03
RPS Mammography Fac Inspection PH25				13,156.41	(13,156.41)
					844,353.69

RPS BUDGET

DAVID HOWE
PROGRAM DIRECTOR

RPS Projected Ending Balance for Fiscal Year 2025 and 2027

	Current Revenue With No Fee Change Through FY 27	
Radioactive Materials	\$2,211,922	
X-Ray	\$3,422,326	
Tanning	\$361,313	
MQSA	\$589,360	
AY 23 Carry Over	\$271,311	
Others (Inter-Agency Grants)	\$130,000	
Total Revenue	\$6,986,232	
Overall RPS Forecast	FY25	FY27
Personnel Services	\$5,200,727	\$5,456,626
Services & Supplies	\$2,346,287	\$2,336,932
Total Expenditure	\$7,547,014	\$7,793,558
AY 25 Carry Over		-\$560,782
Total Revenue	\$6,986,232	\$6,425,450
Remainig Balance	-\$560,782	-\$1,368,108



ELECTRONIC / TANNING PRODUCTS UPDATE

10

- Brent Herring, Lead Inspector





ELECTRONIC PRODUCTS

Brent Herring
Lead X-ray Inspector



X-Ray Inspections 2024 Year In Review

Year	Facilities Inspected	Machines Inspected	Tubes Inspected	Number of Violations
2024	832	3,341	3,401	160
2023	987	3,536	3,547	255
2022	556	2,074	2,117	213
2021	326	1,345	1,422	91

2024 RPS inspected all hospitals





ELECTRONIC PRODUCTS

Brent Herring
Lead X-ray Inspector



Tanning Inspections 2024 Year In Review

Year	Facilities Inspected
2024	32
2023	92
2022	99
2021	22

Tanning Violation Summary

- Timer not checked annually
- Emergency stop not checked annually
- Trained operator not present



2024 RADIOACTIVE MATERIALS LICENSING (RML) SUMMARY

Hillary Haskins
Operations Manager



Count	Type
177	Administrative
51	Renewal
50	Change AU/RSO
15	Termination
40	Reciprocity
21	Add/remove source
11	Change Address/ Company name
3	New
374	Total



2024 RML INSPECTIONS & VIOLATIONS

Hillary Haskins
Operations Manager



74 inspections performed
12 Facilities issued Notice of Violations

SL 1	SL2	SL3	SL4	SL5
0	0	3	13	6

Count	Rule #	Description
6	120-0020	Annual audit not conducted
6	120-0460	Leak tests not performed
5	111-0010	Rad safety training
3	102-0305	6-month inventory/postings
3	120-0260	Security of Stored Material
2	118-0050	HAZMAT initial/3-year refresher training
4		Various



2024 EMERGENCY RESPONSE/ INCIDENTS

Hillary Haskins
Operations Manager



Count	Description
13	Scrap Monitor Alarm
10	Waste Monitor Alarm
4	Medical Event
4	Accelerator Medical Event
4	Contaminated waste
2	Found Device / Material
9	Other
46	Total

TRAINING AND CONFERENCES FOR 2024

HILLARY HASKINS
OPERATIONS MANAGER

February	Columbia Generating Station IPX Dress Rehearsal Exercise
	DHS/FEMA Radiological Emergency Response Operations (RERO) – Toby
	DHS/FEMA Advanced Radiological Incident Operations (ARIO) - Michelle
March	RadResponder Training RPS/Civil Support Team/Oregon Dept. of Energy
	Columbia Generating Station Evaluated IPX Full Scale Exercise
April	Rose City Thunder (Providence Health & Services Exercise) Terrorist-created Weapons of Mass Destruction/Radiological Incident
	Radiological Assistance Program Training for Emergency Response (RAPTER) Course by Dept. of Energy – Tom P.
	Basic Disaster Life Support sponsored by HSPR - Hillary
	FDA FERN Screening for Alpha & Beta Radioactivity in Foods – Sarah
May	Radiological Emergency Preparedness Course – Tom M.
	Conference of Radiation Control Program Directors (CRCPD) Conference, Jacksonville, FL – Hillary & Todd

TRAINING AND CONFERENCES FOR 2024

HILLARY HASKINS
OPERATIONS MANAGER

May	NRC Materials Control & Security Systems & Principles – Sarah
August	NRC Root Cause/Incident Investigation Workshop – Tom M
	Organization of Agreement States Conference – David Howe
	FEMA Incident Command System 300 – Rich
	FEMA Radiological Emergency Response Operations (RERO) – Tom P
	NRC Lab Fundamentals Health Physics Lab Activities – Sarah
Sept	FEMA Incident Command System 400 – Rich
	NRC Environmental Monitoring & Air Sampling for Radioactivity Lab – Brent
	Naval Reactor Compartment Disposal Shipment, Bremerton, WA – Tom P. & Sarah
Nov	Radiation Emergency Assistance Center/Training Site (REAC/TS) Gamma Spectroscopy – Tom P. & Sarah
	3 Metro Radiation Operator Trainings – Tom P. & Sarah

Updated State Radiological Response Plan

Todd Carpenter
Licensing Manager

This incident annex 09 should be used in conjunction with other Oregon's Emergency Operations Plan, Emergency Support Functions 1 through 18.



Public Health Division



Radiological Response Plan

To Support

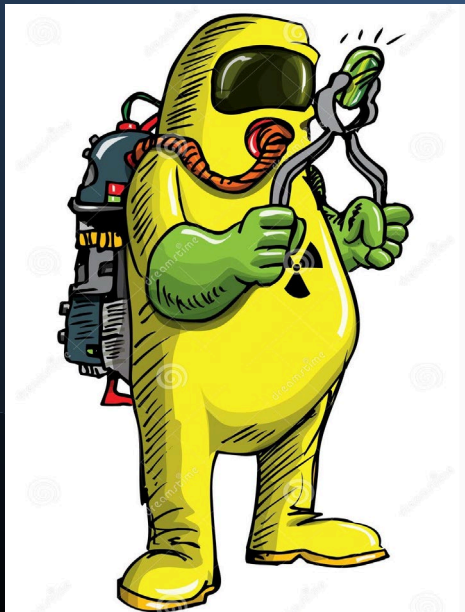
State of Oregon Comprehensive Emergency Plan

Volume 3 Emergency Operations Plan, Emergency Support Function 08

Incident Annex 09 Dated August 15, 2024

Updated State Radiological Response Plan

Todd Carpenter
Licensing Manager



Next Plan Revision Goals

- Identify Medical Facilities Able and Willing to Provide Radiation Safety Officers as Strike Team Members and First Responder Within the State of Oregon for RPS
- Contact information to Dispatch Medical RSO to an Incident to Assist in the Mitigation Process

Radiological Strike Team Field Operating Guide

Field Operating Guide for Strike Team Members to
Provide Guidance to Mitigate a RAM Incident.

Oregon
Health
Authority



**RADIOLOGICAL STRIKE TEAM
RADIOLOGICAL RESPONSE
FIELD OPERATING GUIDE
2020**



EMERGENCY RESPONSE EQUIPMENT UPGRADES

HILLARY HASKINS
OPERATIONS
MANAGER

2024 EMERGENCY RESPONSE EQUIPMENT UPGRADES

Purchased

- Backup cameras for ERT trucks
- Repaired lab floor
- Check sources
- Satellite phones (pending)
- RadEye dosimetry (RPS funds)

Thank you Health Security Preparedness and Response



2025 PRIORITIES

DAVID HOWE
PROGRAM DIRECTOR

- Initiate Process (Legislative Concept & Policy Option Package) to Increase RPS Revenue
- “Activate” Drone Program
- Create Emergency Licensee/Registrant Paper Records
- Implement Fully Functional Databases
Tanning, X-ray and RML
Registration/Inspections/Incidents
- On-Going Staff Training of Qualifications & Professional Development
- Reduce Backlog of Inspections & Timely Incident Investigation/RML Licensing Actions
- Create an RPS Enforcement & Compliance Report

A photograph of a white ceramic mug filled with a frothy coffee beverage, placed on a light-colored speckled countertop. The lighting is soft and directional, coming from the upper left, which creates a bright highlight on the rim of the mug and casts a gentle shadow to the right. The background is a blurred continuation of the countertop. The overall mood is calm and inviting.

Take a Break



Exemptions/Rules/Statutes

Exemptions – Number of Veterinary Facilities with CT & Fluoroscopy

Brent Herring
Lead X-ray Inspector

Computed Tomography (CT)

13 registered machines
2 machines pending registration

59 Active Operators
25 Inactive Operators
84 Operators have been vetted

12 Exemptions Currently with 2 Pending

Fluoroscopy (Fluoro)

14 registered machines

36 Active Operators
27 Inactive Operators
63 Operators have been vetted

4 Exemptions Currently with 10 Pending



Exemptions – Operator Training Requirements In Veterinary Facilities with CT/Fluoro Machines

Brent Herring
Lead X-ray Inspector

Computed Tomography (CT)

Submit the following documentation:

- Machine Physics Report
- Shielding Study
- CT Operators
 - Names of proposed CT operators
 - Copy of current Oregon License
 - Doctor of Veterinary Medicine or Certified Veterinary Technician (DVM or CVT)³
 - Only CVT's, DVM's and Radiologic Technologists with Oregon Board of Medical Imaging CT credentials and Radiologists are allowed to operate a CT machine
 - **Vet Assistants are not allowed to operate a CT**
 - Copy of Vet Vendor Applications Training (DVM or CVT)
 - Copy of the Medical Imaging Consultants (MIC) CT Cross Trainer Course Certificate (DVM or CVT) – see link below
 - <https://www.micinfo.com/product/ctxt/>

Exemptions – Operator Training Requirements In Veterinary Facilities with CT/Fluoro Machines

Brent Herring
Lead X-ray Inspector

Fluoroscopy (Fluoro)

Submitted documentation

- Machine physics report
- Shielding study
- Fluoroscopy Operators
 - Names of proposed fluoroscopy operators
 - Current copy of their Oregon License (DVM or CVT)
 - Copy of Vet Vendor Applications Training (DVM or CVT)
 - Copy of the certificate from an approved fluoroscopy training course or copy of other state license (California or Colorado)



Exemptions – Operator Training Requirements In Veterinary Facilities with CT/Fluoro Machines

Brent Herring
Lead X-ray Inspector



UPDATE: EPICA VIMAGO CT

- LISTED AND SOLD AS A CT UNIT FOR VETERINARY FACILITIES FOR ABOUT 10 YEARS IN OREGON.
- IS IT A TRUE CT MACHINE? DOES IT FIT INTO OUR CT RULES?
- WHAT OTHERS THINK:
 - Has been described by a physicist as an O-arm (fluoro) seen in hospitals. Thus, we should consider inspecting them as such.
 - Reviewed this physics report with other inspectors and they agree.
 - Washington and Florida think the machines are not a true CT and can see why the physicist recommended the machine be inspected under fluoro rules.
- CURRENT RPS REQUIREMENTS
 - Seen as a CT, thus operators need CT training (MIC CT Course)
- WHAT RPS IS CONSIDERING
 - Change requirements to fluoro, thus operators need authority approved fluoroscopy training.

Exemption - SkinCure Dermatologist Trainer Qualifications

Brent Herring
Lead X-ray Inspector

- RPS Rule 333-120-0125(4) – An Authorized User (AU) must assist with treating 15 or more patients undergoing superficial brachytherapy treatment under personal supervision of an AU who has been performing superficial brachytherapy for at least 3 years
- Exemption Request – to allow the AU trainer be approved to train other AU based off number of exams versus amount of time (3 years)
- Exemption request was approved based off the following:
 - Proposed AU trainer had over 240 treatments in approximately two years
 - Exemption only applied to AU trainer and AU in training
 - Any additional practice personnel will need to have their documents submitted for review



Update – Bone Density (Body Mass Index Screenings) DEXA scans

Brent Herring
Lead X-ray Inspector



- DEXA (Dual Energy X-Ray Absorptiometry)
- Normally found in hospitals, women's clinics, etc.
- Operations are starting to show up in vans (mobile) in parking lots of wellness centers, gyms, and clinics
 - Some have websites with what appears to be a self-referral system
- RPS released Informational Bulletin 2025-01 to clarify the use and operation of DEXA scan machines
 - Rule 333-106-0035
 - Patient needs to be evaluated by license practitioner of the medical arts
 - Have medical need for x-rays
 - Diagnostic information shall be reviewed by a practitioner of the medical arts
 - Rule 333-106-0055:
 - Diagnostic medical x-ray operator must be trained in radiation safety and meet one of the following:
 - Possess a Current Oregon Board of Medical Imaging (OBMI) x-ray license or limited x-ray machine operator permit or
 - Be a Student under direct supervision of radiologist (Oregon Medical Board license) or a radiographic technologist (OBMI license)
 - Is a student in an Oregon Board of Medical Imaging approved limited permit program under a radiologic technologist who is licensed by the Oregon Board of Medical Imaging.

Update – Bone Density (Body Mass Index Screenings) DEXA scans

Brent Herring
Lead X-ray Inspector



Informational Bulletin 2025-01

February 4, 2025

To: DEXA Scanner Facilities and Operators

From: David M. Howe, Program Director, Radiation Protection Services

Subject: Use of DEXA (Dual Energy X-Ray Absorptiometry) Machines

The Public Health Division, Radiation Protection Services (RPS) is issuing this regulatory informational bulletin to clarify about the use and operation of DEXA scan machines in the state of Oregon.

Radiation Protection Services has regulations relating to the operation of the machine, when the machine can be used, who determines when a patient can be exposed to x-rays (no patient/client self-referrals are allowed), who is required to interpret the images and reports, and who is qualified to operate the machine.

[NOTE: Per Oregon Administrative Rule (OAR), all DEXA scanner machines must be registered with RPS before use].

OAR 333-106-0035, General Requirements: Deliberate Exposures Restricted, requires that no persons shall be exposed to the useful beam, except for healing art purposes, until the patient has been evaluated by an authorized practitioner licensed to practice the healing arts (i.e. Medical Doctors, Osteopaths, Chiropractors, Naturopathic Doctors, and Podiatrists), a medical need for X-rays is determined, and any useful diagnostic information obtained from each exposure shall be reviewed by a practitioner of the healing arts.

OAR 333-106-0055 General Requirements: X-Ray Operator Training, requires that operators shall be adequately trained in radiation safety and be a diagnostic medical X-ray operator who meets one of the following:

Radiation Protection Services – Informational Bulletin 2025-01

- Holds a current license from Oregon Board of Medical Imaging (OBMI).
- Holds a current limited X-ray machine operator permit from OBMI.
- Is a student in an approved school (ORS 688.405) while practicing under the direct supervision of a radiologist (licensed with Oregon Medical Board) or a radiologic technologist (licensed with OBMI).
- Is a student in an OBMI approved limited permit program under a radiographic technologist (licensed with OBMI).

Oregon Board of Medical Imaging (OBMI) also has additional rules governing the use and operation of DEXA scan machines. They can be contacted at info@obmi.or.gov.

Any violation of the above regulations may result in significant civil penalties for both the facility and/or operator.

If you have any questions, please contact Brent Herring, Radiation Protection Services, at 503-891-0098 or email: Brent.E.Herring@oha.oregon.gov.

Protocol – Inspecting Veterinary Facilities

Brent Herring
Lead X-ray Inspector



New protocol for inspecting veterinary facilities

- NEED DUE TO INCREASING COMPLEXITY OF INSPECTIONS
- INSPECTION PROTOCOL COVERS THE FOLLOWING:
 - Fixed, portable, and mobile radiographic machines (with photos)
 - Fixed, portable, mobile, and hand-held dental machines (with photos)
 - Mobile dental panoramic machines (New technology)
 - Exemptions for computed tomography (CT) and fluoroscopy (fluoro)
 - Dip Tanks – present in some vet facilities
 - Restraining Devices for animals
 - Examples of anatomy of human holders in x-ray images

Discussion – Radiation Reduction Gloves for Veterinary Facilities

Brent Herring
Lead X-ray Inspector



MULTI-USE STERILE, SHIELDED GLOVES IN VETERINARY FACILITIES

- REQUEST FROM PUBLIC ABOUT RPS VIEWS ON THESE GLOVES
- MEETS RPS RULE 333.106.601(1)(D) – 2.5 MM OF LEAD EQUIVALENT FOR MACHINES OPERATING ABOVE 70KVP
- RPS ISSUES:
 - Have to be washed twice
 - Water at specific temperature range with specific detergent and active chlorine specifications
 - Have to be dried flat, protected from sunlight and in controlled microclimate
 - Sterilization
 - Autoclave with high temps or by Ethylene Oxide Sterilization (EtO)
 - Storage
 - Can not be exposed to sunlight
 - Avoid contact with copper, manganese, mineral oil and vegetable oil
 - Can not be stored in rooms with ozone lamps, UV equipment, air purifying equipment that produces ozone, air conditioning with air cleaning function, etc.
 - Exterior damage on lead gloves already, how long will these last?
 - Degradation and damage over time = more PPE checks. (RPS would require before every use)
 - Documentation needed for PPE checks
 - Integrity of gloves must be maintained



**LEGISLATIVE BILLS
2025 LONG SESSION
JANUARY - JUNE**

Bill Number	Overview
HB 2038	Requires ODOE to complete a study on nuclear energy and disposal of resulting nuclear waste.
HB 2426	Relating to nuclear-fueled thermal power plants; providing that this Act shall be referred to the people for their approval or rejection.
SB 215	Repeal of requirements for site certificates for nuclear-fueled thermal power plants
SB 216	Repeals requirement for a licensed repository for disposal of high-level radioactive waste before a site certificate for a nuclear-fueled thermal power plant may be issued.



RULEMAKING

INTERNAL UPDATING THERAPY RULES

TODD CARPENTER
LICENSING MANAGER



Division 10823 THERAPEUTIC RADIATION MACHINES

333-123-0001 333-108-0002

Purpose and Scope

(1) This ~~d~~Division establishes requirements for registrants of therapeutic radiation machines. Nothing in this ~~d~~Division relieves the registrant from complying with other applicable federal, state and local regulations.

(2) The use of therapeutic radiation machines shall be by, or under the supervision of an authorized physician who meets the definition in OAR 333-108-0006(4)(a) or (b).

Statutory/Other Authority: ORS 453.605 – 453.807

Statutes/Other Implemented: ORS 453.605 – 453.807

History:

PH 23-2006, f. & cert. ~~ef.~~ 10-19-06

333-123-0005 333-108-0006

Definitions

(1) "Absorbed dose (D)" means the mean energy imparted by ionizing radiation to matter. Absorbed dose is determined as the quotient of ~~dDE~~ by ~~dDM~~, where ~~dDE~~ is the mean energy imparted by ionizing radiation to matter of mass ~~dDM~~. ~~The SI unit of absorbed dose is joule/kg and the special name of the unit of absorbed dose is the gray (Gy). The previously used special unit of absorbed dose (rad) is being replaced by the gray. The units of absorbed dose are the rad and the gray (Gy). One Gy is the international system of units (SI) equivalent of 100 rads, which is equal to an absorbed dose of 1 Joule/kilogram.~~

(2) "Absorbed dose rate" means absorbed dose per unit time, for machines with timers, or dose monitor unit per unit time ~~for-for electrically generated radiation producing devices linear accelerators.~~

(3) "Accessible surface" means surface of equipment or of an equipment part that can be easily or accidentally touched by persons without the use of a tool.

(4) "Added filtration" means any filtration which is in addition to the inherent filtration that is in the primary beam.

(35) "Air kerma (K)" means the kinetic energy released in air by ionizing radiation. Kerma is determined as the quotient of ~~dDE~~ by ~~dDM~~, where ~~dDE~~ is the sum of the initial kinetic energies of all the charged ionizing particles liberated by uncharged ionizing particles in air of mass ~~dDM~~. The SI unit of air kerma is joule per kilogram and the special name for the unit of kerma is the gray/kg.

(46) "Authorized ~~physician~~user" means:



INTERNAL UPDATING THERAPY RULES

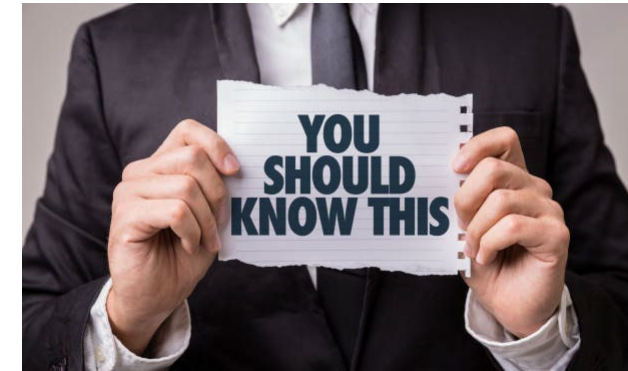
TODD CARPENTER
LICENSING MANAGER



Therapy Machine Rulemaking Last Major Revision Dated 2006

Rule Amendments to Address:

- Emerging Technology
- Operational Requirements Relating to the Machines Delivered Energies.
- Review the Supervision Required by the Qualified Physicist.
- Change the Term from Authorized User to Authorized Physician
- Simplify the Training Requirements for the Authorized Physician
- Define Dosimetry Systems
- Revise the Quality Assurance Process
- Consideration of a Oncology Safety Team
- Consideration of a Safety Assessment Program





LUNCHTIME



EMERGENCY PREPAREDNESS/RESPONSE

INCIDENTS

Hillary Haskins
Operations Manager

X-ray Allegation

- Radiation injury from converted air conditioning units
Tom Pfahler, Inspector

RML Incident

- Amazon sales website for thorium pens –
Todd Carpenter, Licensing Manager

- Tom Pfahler – RPS Duty Officer Week of 12/30/2024

- OERS report received at approx. 4AM on 1/1/2025

- Allegation of malicious intent toward members of the public using radioactive material

- Contacted citizen immediately to follow up

- Gathered information per RPS Protocol 143

- Determined that Reporting Person (RP) had mental health issues

- Information turned over to FBI

- Call made to Mandatory Reporter Hotline based on RP vacating residence leaving minor child behind



OREGON DEPARTMENT OF EMERGENCY MANAGEMENT

Oregon Emergency Response System (OERS)

Mailing Address:
3565 Trelstad Ave SE
Salem, OR 97317

Nationwide: 800-452-0311
Local: 503-378-6377
E-mail: oers.staff@osp.oregon.gov
Fax: (503) 588-1378

OERS Incident Number:		Incident Type: RAD			
Received:		at	Taken		
Occurred:		at	By:	*OERS Operator - OR State Police Law Enforcement Data System	
Location:	Incident Location				Coordination Time:
City:					15
County:					
Contact Type:	Paged:	Answered:	Contact Name	Organization:	Phone
Caller			*Name Removed*	Civilian	*Phone # Removed*
Comments					
Email			RAD		
Comments					
Pager			RAD		
Comments					

Incident Description:

RPS PROTOCOL 143: MANAGEMENT OF ALLEGATIONS

- **Objective:** “To ensure that allegations involving the licensee's and registrant’s security and safety practices are managed properly in a timely manner”

Nine Mission Points – Several of Note

- Protect the identities of individuals, when possible, to preclude potential harassment, intimidation, or retaliation by employers against individuals who raise concerns to RPS or stigmatization by coworkers or members of the public.
- Determine the validity and safety significance of allegations associated with the licensee’s and registrant’s regulated activities and where appropriate, pursue feedback from responsible parties.
- Acknowledge the receipt of allegations and inform individuals who make allegations, and when appropriate, communicate to the reporting party the outcome of RPS’s evaluation and investigation conclusions
- Investigate allegations of potential wrongdoing.
- Determine if the incident is reportable to the Nuclear Regulatory Commission Operations Center or the Nuclear Material Events Database contractor

Initial Contact

- The source of the allegation may be a RPS employee, licensee’s or registrant’s employee, staff from another agency, or a member of the public. The RPS responder shall treat the reporting party courteously in all contacts and be responsive to the reporting party, regardless of the reason the reporting party notified RPS. The safety significance of an allegation should not affect the treatment of the reporting party.
- Any RPS employee that receives an allegation, in any manner, will immediately inform management. The RPS employee receiving the notification shall initiate an allegation event entry into the Incident database.

ALLEGATIONS INITIAL QUESTIONNAIRE

1. What is alleged's first and last name?

2. What is alleged's relationship to the facility or activity in question?

3. Alleged's home address (this will allow correspondence with alleged in a secure manner):

4. Contact Number and best time to contact:

5. Alleged's employer:

6. Address of alleged's employer:

7. Activity being reported:

8. Details of allegation: (date, time, location)

9. Any potential safety concerns?

10. How did alleged become aware of situation?

11. Any additional witnesses or interested parties? (Include contact information for each)

12. Was facility management notified of concern? If no, Why?

13. If reported, what actions were taken by management?

14. Any records regarding the situation that RPS should review?

15. Does alleged have issue with RPS forwarding the issue to the licensee or registrant? (inform alleged that their identity will be safeguarded to the full extent of the law)

16. Does alleged want to remain anonymous? If not, inform alleged that you will be sending a form for them to sign giving RPS permission to share their identifying information.

17. Reason alleged contacted RPS?

18. Has any other state or federal agencies been contacted? If yes, Name and contact information for the agency.

INCIDENT

Amazon Sales Web site for Pens

Todd Carpenter
Licensing Manager



NRC received an allegation that an individual was attempting to distribute pens (wands) with possible thorium powder to a holistic wellness practice shop. The reporting party alleges that the individual was purchasing the pens through Amazon. RPS located the Amazon website item.

RPS contacted the holistic shop owner to obtain the Amazon website information. This appears to be a nationwide distribution. The shop owner said the pens were radioactive (using a Geiger counter) and did not purchase any pens. Further RPS investigation determined that the pens are being manufactured/distributed by a company in China not Oregon. No valid Oregon address was able to be located.

RPS referred the finding to NRC.

EMERGENCY PREPAREDNESS/RESPONSE

Hillary Haskins
Operations Manager

HEALTH SECURITY, PREPAREDNESS AND RESPONSE (HSPR) INTERN: ROBIN HOLM

- Updating First Responder/Receiver Curriculum
- Community Reception Center Training Exercise

NEW BUSINESS

DAVID HOWE
PROGRAM DIRECTOR



- 2025 Upcoming Mandatory Radiation Advisory Committee Member Training



PUBLIC COMMENTS





THANK YOU FOR ATTENDING
Next Radiation Advisory Committee Meeting:
June 11, 2025