

RADIATION ADVISORY COMMITTEE MEETING
Minutes
June 15, 2022

Call to Order – Public Session

Barbara Smith, Chair, called the Radiation Advisory Committee (RAC) into public session on June 15, 2022 at 10:03 a.m. Via Teams

Members Present:

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| Barbara Smith, ARRT, Chair | Dennis Wood |
| Jennifer Frankel, DMD | Scott Young |
| Bob Berry, Providence Hospital | Mandy Henrikson, Vice Chair |

OHA RPS Members Present:

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| David Howe, Program Director | Erin DeSemple, Primary Licensing |
| Todd Carpenter, Program Manager | Rama Wusirika, Inspector |
| Hillary Haskins, Program Manager | Toby Irving, Inspector |
| Brent Herring, X-ray Lead Worker | Dong Lim, Inspector |
| Patty Thompson, Admin. Support | Tom Mynes, Inspector |
| Judy Smith, X-ray Program | Tom Pfahler, Inspector |
| Alex Parker, Tanning Program | Daryl Leon, Inspector |
| Lee Lind, RML Program | |

Guest: Evan Ruff, OXOS Co-Founder and CEO

Dev Mandavia, OXOS Director
Susan Atkinson, OXOS Outside Counsel
Betty Brown, CBO in SE Portland
Kelly Marcotulli from Ashland. Founder of Oregon for Safer Technology
Mo Khosravanipour an OXOS guest
Eva Bortnick for Public Comment
Shane Reilly for Public Comment
Matt Sztelle for Public Comment
Priscilla Nightengale for Public Comment
Janet Bell for Public Comment

Introduction of Members and Guests

Barbara Smith started the meeting with roll call. David Howe went over the teleconference procedures. Hillary Haskins informed attendees that this meeting is recorded for accuracy of meeting minutes.

Approval of Minutes

Minutes from the February 9, 2022 meeting were sent to the members for their review prior to this meeting.

Motion

Bob Berry moved, and Scott Young, seconded a motion to approve the February 9, 2022 Radiation Advisory Committee minutes. The motion carried unanimously.

RPS Staffing – David Howe presenting

We have some new and exciting news regarding our Radiation Protection Services staffing. We have hired four additional people.

- Alexandra (Alex) Parker – Tanning Program
She is our new Tanning Registrar replacing Sharon Ross who took retirement.

- Toby Irving – Environmental Health Specialist – Health Physicist
Toby is currently training in x-ray and radioactive material licensing inspections. Toby came to us from Michigan where he is qualified for Mammography Quality Standards Acts (MQSA) for mammography facilities inspections.

- Dong Lim – Environmental Health Specialist – Health Physicist
Dong is currently training in x-ray and tanning. Dong has prior experience operating lab analytical equipment and will be a great addition to our lab operations.

- Richard (Rich) Patterson – Environmental Health Specialist – Health Physicist
Rich will be joining us July 11th. He will be training in x-ray and tanning upon arrival.

- Organizational_Chart
We have one vacancy left for an Environmental Health Specialist that we are actively recruiting. Once that position is filled, we will be fully staffed.

2022 RPS Program Updates

1. RPS Budget presented by Todd Carpenter
Our new fee-based schedule went into effect January 1, 2022 and the billings went out. The X-ray Program has already collected \$1.2 million at the end of

April. We have CHP Grain Analysis which is our laboratory and CHP-RPS Emergency Response Training, those two are in the red, that is due to the cost of equipment and disposal of radioactive material. The one area of interest is the CHP-RPS RML Fee (radioactive material licensing fee program) the numbers reflect \$264,000 in the negative at the end of March. This program is continuing to trend in way to give us an ending balance in the positive.

2. Electronic/Tanning products update by Brent Herring

We are still performing in-person inspections. We are calling or emailing facilities to notify of inspections due to possible COVID-19 restrictions that may be in place. We have completed 139 x-ray inspections (medical, dental, veterinary, therapy and industrial), 21 MQSA inspections and 24 tanning inspections. For MQSA inspections, our contract ended May 1, 2022, and we were able to complete of the inspections during the contract period. George Echoltz, who used to come in from Idaho and would help us out on the eastern side of the state, has retired. Toby Irving will fill George's position and will start MQSA inspection in July 2022.

3. Radioactive materials licensing presented by Hillary Haskins.

We performed 34 inspections and have worked on 64 licensing actions. We were able to close 10 incidents in the last quarter. We have 11 incidents open currently.

4. Emergency Preparedness/Incidents presented by Hillary Haskins.

For our Emergency Response Team, we are focusing on getting RIIDs for our drone and emergency response trucks. The one for the drone is high tech and has a sensitive crystal. The drone will be used so that we don't expose any of our team unnecessarily. The RIIDs for the emergency response vehicles will be used in other situations where we wouldn't want to use or can't use a drone.

• Incidents of interest presented by Hillary Haskins

We had two transportation incidents. In the first one, a medical dose fell off the back of a delivery vehicle. A citizen who saw the package fall out of the delivery truck noticed that it was labelled as radioactive material and called the RSO in charge of that. The RSO called us, and we were able to get it remedied very quickly.

The other incident was an HDR (High dose remote afterloader brachytherapy device) was delivered by FedEx to the wrong address. Our Inspector was on site and found that the dose was delivered to the wrong hospital. FedEx was able to determine where they had delivered the package incorrectly.

Tanning Incident presented by Hillary Haskins

We received a customer complaint of a bed malfunction. The customer was in the tanning bed and the fan started to spark. When the customer informed the front staff, they were dismissed as overreacting. One of our Inspectors was able to inspect the facility the same week of the incident. Every bed was checked to make sure everything was working appropriately.

Another tanning incident was a customer was using a tanning bed and the front desk person would leave the building. The customer was by themselves in the store. We contacted the facility manager and advised them that they need to provide appropriate breaks for their employees and the operator is not allowed to leave when they have a customer in a tanning bed.

Scrap and waste alarm incident presented by Hillary Haskins

We did not have anything outside of normal parameters.

5. RPS Training presented by Hillary Haskins

- NRC has offered more on-line and in-person courses.
- ICS (Incident Command Structure) on-line course for the Emergency Response Team, Planning Team.
- CRCPD (Conference of Radiation Control Program). Attendees were David Howe, Hillary Haskins, and David Hamby.
- Health Physics Society conference in July 2022 Hillary Haskins will attend.
- Organization of Agreement States conference sponsored by NRC in August 2022 will be attended by Todd Carpenter

Exemptions/Rules/Statutes

OXOS Medical presentation by Dev Mandavia and Susan Atkinson

Barb Smith stated that the Committee has not had a chance to go through any of this material.

The device is the Micro C M01. It has been cleared by the FDA since last year. The FDA initial clearance (K2023658) is associated with a portable x-ray system. OXOs has designed the Micro M M01 to be used as a handheld system under the IZL FDA product code and 21 CFR 892.1720. The Micro C M01 is designed to be a complete system. The three major components of the Micro C M01 system are the x-ray tube, receptor, and cone (guide). When it's packaged it weighs about 45 pounds, lending itself to its ultra-portability. The device was presented as being different from fluoroscopy in that it is dynamic digital radiography (DDR) using a high beam current, and a short exposure time as opposed to fluoroscopy, which typically uses a lower beam current and a longer exposure time. DDR allows for integrating multiple images into a single frame. DDR creates 5 frames per seconds, while fluoro, even pulse fluoroscopy, is within the range of 10 to 30 frames per second for most systems. The OXOs presenters are proposing an exemption to the Source to skin distance (SSD) 30-centimeter requirement down to 20 centimeters (to be maintained by the use of a cone).

RAC members and RPS staff asked questions related to it's use as a hand-held device, the process for manipulating the patient's limb, maintaining a fixed position for the device while taking images and, it's recognition by other states as being a fluoroscopy device.

OXO's reinforced that its intent is to use the device as a portable unit and not a hand-held device at this time.

Presenters were advised that a RAC member with an expertise in dosimetry needs to review the presentation and materials before RAC can make a recommendation to staff regarding sales of the Micro C M01 system in Oregon. Any formal actions will take place at the October 12, 2022 RAC meeting.

Rule Making – Todd Carpenter presenting

Rule amendments for compatibility with the Oregon Board of Dentistry allowing a dental therapist to operate intraoral dental radiographic x-ray machines and supervise students (HB2528). There was one topic of concern that we had to research regarding the dental therapist being allowed to instruct students. The rule now states: We define the dental therapist is a person that practices dental therapy under ORS 679.603, that's the Oregon Board of Dentistry. The dental therapist can operate an x-ray device for

dental care and provide supervision for clinical students. The dental therapist cannot instruct or teach courses.

Emergency Preparedness/Response

- **ROSS (Radiation Operation Support Specialist) – Hillary Haskins**
ROSS personnel have a lot of expertise in health physics, but not necessarily in expertise in emergency response. ROSS personnel are trained to apply their health physics background in an emergency situation. They can support local HAZMAT teams or if there was a larger event, can be sent to other states.
- **Radioactive Material (RAM) Security – David Howe**
Hillary and David attended the Conference of Radiation Control Program Directors (CRCPD) annual meeting in May 2022. Meeting topics included emerging technologies, imaging, therapeutic application, and radioactive material licensing. One of the segments dealt with radioactive material security. David shared a real-life incident involving compromised access to radioactive material sources involving local law enforcement intervention.
- **Drone – Tom Mynes**
During COVID the drone program took a hiatus, now we are back. Last month we purchased a detector specifically for the drone. It's lightweight, which is the biggest limitation of a drone. It comes with support to install the software and train us.
- **Department of Energy Radiological Assistance Program (DOE RAP) visit/briefing – Todd Carpenter**
This is our federal partner in relation to responding to emergency incidents involving radioactive material, byproduct material, and nuclear material source material. This is a program that is developed and authorized by the U.S. Department of Energy (DOE), and they have created a Radiological Assistance Program (RAP). There are eight regions within the United States and each region has one team committed for that region. These individuals are private contractors that work for various RAD businesses in the area. They will help us mitigate a situation.
- **PHD RPS radiological emergency response plan update – Todd Carpenter**
RPS does have a radiological response plan. The plan is in the draft stage. It is being distributed to our partners for vetting. The plan design is a

part of the National Incident Management System (NIMS). This plan is written to complement the first responders command and control program, and it will be working off the same business plan.

New Business

- **COVID-19, travel restrictions lifted and PSOB open** – Hillary Haskins
The state buildings have been reopened to the public on May 1st. We are still working at a hybrid model for RPS, some staff are working full time in the office and then some staff are working fully from home and then others are working hybrid. Our inspectors are out in the field 60% of their time.
- **PSOB (reduced footprint) – RPS hybrid model** – David Howe
The majority of our staff are working remotely from their home. DAS is going through an evaluation process to see how much square footage is going to be required to support different sections occupying the Portland State Office building.
- **2022 Mandatory RAC Member Training** – David Howe
A governor's decree requires that all state level commissions, boards and committee members must complete three distinctive online courses regarding discrimination, ethics, and privacy.
- ***Resumption of in-person/hybrid RAC meetings (discussion)** – David Howe
Most of the RAC members requested to continue the hybrid meetings due to where they live in the state. Virtual meetings will continue, and for those members who would like to attend in-person, a conference room will be available.
- **2023 new RAC member replacement** – David Howe
State statute mandates an eight-member State Radiation Advisory Committee. Two member terms are expiring commissions on December 31st of this year. They are Dr. Juliana Cyman, our veterinarian oncologist and Scott Young, our representative of industrial gauge licensees. At the October 12, 2022 RAC will vote on a slate of at two nominees.

Public Comments -David Howe

A group presented testimony relating to their concerns about the OHA literature review study (mandated by Senate Bill 283) relating to wireless technology exposure to students in schools. Presenters included: Kelly Marcotulli, Shane Reilly, Janet Bell, Eva Bortnick, Sabrina Siegel, Priscilla Nightengale, Matt Sztelle, and David Morrison (via written testimony). Due to the length of presentations, a separate document reflecting their testimonies is available upon request.

Adjournment

The meeting adjourned at 2:00 p.m.

The next meeting for the Radiation Advisory Committee is scheduled for October 12, 2022.