AGENDA
UNIVERSITY OF NEW HAMPSHIRE
RADIATION SAFETY COMMITTEE
3rd Quarter Meeting 2016
Sept. 15, 2016
2:30-3:30 pm
Rudman G04

1. Old Business:

2. Approval of 2nd Quarter 2016 Meeting Minutes

3. Radiation Safety

4. Dosimetry Results

5. Laser Safety

6. X-Ray Safety

7. Training Report

8. X-ray Protection Program

9. Decommissioning Funding Plan
The UNH Radiation Safety Committee (RSC) held the Third Quarterly meeting for 2016 on Sept. 15, 2016.

Attachments: X-ray Protection Program

The following members were in attendance:

<table>
<thead>
<tr>
<th>Voting</th>
<th>Non-Voting</th>
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<tbody>
<tr>
<td>Dr. Olof Echt, Physics, Chair</td>
<td>Michele Arista, RSO</td>
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<td>Dr. Thomas Foxall, Biological Sciences</td>
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<td>Dr. Martin Wosnik, Mechanical Engineering</td>
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<td>Dr. Stacia Sower, MCBS</td>
<td>Bradford Manning, Director of EHS</td>
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The following members were not in attendance:

Dr. James Connell, Physics and Space Science, Vice Chair

Julie Simpson, Research Integrity Services
Chair Olof Echt brought the meeting to order at 2:34 pm.

1. **Old Business:**
   - none

2. **Approval of Second Quarter 2016 Minutes:**
   - Committee Member Foxall made a motion to accept the revised Second Quarter 2016 Minutes. Committee member Sower seconded the motion, and the motion was unanimously approved.

3. **Radiation Safety:**
   - The radiation program was inspected by the State of NH RHS. There were no violations. They had one recommendation to eliminate spent or decayed sources from our sealed source inventory. They also inspected several labs for decommissioning. They were approved.
   - Richard Dresios and Auggie Ong from the State of NH, RHS came to look at our radioactive waste program. They need to create their own program, and they wanted some suggestions from UNH, as they liked our web site.
   - Quality assurance of the radiation drums in CEMS was conducted prior to the State inspection. The unsealed source radioactive labs have been surveyed. There are no violations so far.
   - All 10 Internal Operating Procedures, IOPs for radiation and laser safety have been updated, signed and filed.
   - The 3 month and 6 month sealed source leak tests results came in. All sources were within leakage limits. In the future only alpha sources need to be on the 6 month leak test schedule. Betas and gamma sources can be leak tested once per year.
   - Radon testing results for Stoke Hall came in. All readings were within EPA guidelines. This testing was done because the employees were concerned about radon.
   - The Radiation Protection Plan was approved by the State and posted online.
   - The new Cf-252 source was received by the Legere lab. All doses surrounding the shielded source measured back ground with a Geiger counter and a neutron monitor in the Morse Hall hallways and surrounding rooms.

4. **Dosimetry Results:**
   - The intern badge reports for the Veterinary Technology program were received for 2016. There were no doses above background.
   - The badges for April/May were reported on. There were no doses above background.
• The badges for June/July 2016 were reported on. There was one ALARA dose, or 10% of the annual limits for an area badge outside Morse 438A. The dose is 10 mrem, gamma for two months. This badge is hung on the door of Morse 438A, where the new Cf-252 source is shielded.

5. Laser Safety:
   • Prof. Wosnik in the Chase Engineering building is constructing a new lab space. A new laser safety lab curtain will be installed and new alignment SOPs will be written. The lasers will stay the same.
   • Prof. Bryce’s lab in Morse aligned a class 1 laser with a class 4 laser inside. They borrowed a laser curtain system from the White lab. They already have eyewear and they posted temporary signs when they performed the alignment.
   • We’re working on an SOP for Ian Grant’s laser cutter in the Maker Space of the Innovation department. Although it is a class 2 with a class 4 inside, laser cutters have been known to catch fire. A SOP is being developed for students to read and sign prior to using the equipment. Fire extinguisher training will also be offered to laser users.

6. X-ray Safety:
   • The new X-ray Registration was received by the State and will be distributed soon.
   • X-ray labs were all surveyed in May. There were no items of non-compliance.
   • Badges have been ordered for the new Veterinary Technician students. Their training deadline was Sept 1st. Badges were delivered.
   • The Proctor lab is working on remodeling the x-ray area in Barton 119. A medical physicist will be hired to perform a shielding review.

7. Training Report:
   • There were 2 recent Radiation Worker trainings given by the RSO.
   • The RSO also instructed the Senior Physics Lab in Radiation Awareness.
   • UNH Police have agreed to take many laboratory trainings. They will start next March. Committee member Foxall asked if the Fire Department has also been approached for Training. The RSO said not recently, but they have been trained in the past and will be contacted in the future.
   • The RSO updated all of her trainings in CEMS. She is tracking radiation worker refresher, laser operator, laser awareness, magnet users, cryogen users, and x-ray users. The deadline is Sept 30, 2016.

8. X-ray Protection Program, XPP:
   • Several edits were received prior to and at the meeting. Committee Member Foxall motioned to accept the XPP. Committee member Sower seconded the motion and the XPP was unanimously approved.
9. **Decommissioning Funding Plan:**
   - The Decommissioning Funding Plan (DFP) was sent to the State of NH, Radiological Health Section, RHS. Many rooms were able to come off the plan, because they were officially decommissioned through the State of NH, RHS. The total estimated for decommissioning was $624,000. The RSO has been decommissioning labs each semester to bring this total down.

10.0 Committee Member Foxall made a motion to adjourn the meeting, and Committee Member Sower seconded the motion. Committee members voted for the motion to adjourn, and the motion passed unanimously at 3:20 pm.