1. Old Business:

2. Approval of 1st Quarter 2014 Meeting Minutes

3. Radiation Safety

4. Dosimetry Results

5. Laser Safety

6. X-Ray Safety

7. Training Report
The UNH Radiation Safety Committee (RSC) held the Second Quarterly meeting for 2014 on May 19, 2014.

Attachments:

The following members were in attendance:

<table>
<thead>
<tr>
<th>Voting</th>
<th>Non-Voting</th>
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<tr>
<td>Dr. Andrew Laudano, MCBS-Chair</td>
<td>Michele Arista, RSO</td>
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<td>Dr. James Connell, Space Science Center, Physics</td>
<td>Bradford Manning, Director EHS</td>
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<td>Dr. Thomas Foxall, Biological Sciences</td>
<td>Julie Simpson, Research Integrity Services</td>
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Dr. Edward Tillinghast, Zoology

The following members were absent:

Dr. Olof Echt, Physics, Vice Chair

Jan Nisbet, Senior Vice Provost for Research
Chair Andrew Laudano brought the meeting to order at 11:00 am.

1. **Old Business:**
   - The Broad Scope License has been approved as of May 16, 2014 and is expected to come in the mail this week.

2. **Approval of First Quarter 2014 Minutes:**
   - Committee Member Foxall made a motion to accept the revised first Quarter 2014 Minutes. Committee member Connell seconded the motion, and the motion was approved.

3. **Radiation Safety:**
   - The Sealed Source inventory and leak tests were conducted on April 1st. All sources were accounted for. No leakage was found.
   - The 2nd quarter radiation surveys were performed. There are no items of non-compliance.

4. **Dosimetry Results:**
   - The annual dosimetry reports are in. The RSO has mailed them to the labs and filed a copy.
   - One ALARA dose was reported as a deep dose of 237 mrem for Meghan Abrahamson in the Veterinary Technology Program for January 2014. This was an internship badge, so the dose was received off campus. Meghan was performing x-rays and nuclear medicine on horses. She was holding a cassette by an extension and wearing a lead apron and a lead thyroid shield. She has a badge from UNH (minimal) and from Fremont Animal Hospital as well. The RSO has requested the Fremont doses as well.
   - Committee member Foxall asked if we get notification when an x-ray worker takes an internship. The RSO said yes, we do get notification, because each x-ray worker fills in a registration form, which asks were he or she has worked with x-rays in the past or present. Sarah Proctor will send the RSO copies of the doses that her students get on internships. Chair Laudano asked if interns need to hold a cassette when x-rays are taken. The RSO was told by Dr. Wanake at the Myhre Equine Clinic that sometimes they do use a stand for the cassettes when taking x-rays, but not when x-raying the foot of the horse, which is what Miss Abrahamson was doing. Committee member Manning noted that the RSO writes a letter to the previous employer for all Radiation Workers.
   - Committee Member Connell asked if the RSO ever received his doses from the National Superconducting Cyclotron Laboratory at Michigan State University since he does research there. The RSO said no, but she will request those doses.
   - There was another ring dose of 64 mrem for a worker in the Physics department during the Feb/Mar wear period. This is not an ALARA dose but it is higher than normal. Sambid Wasti was using a 419 micro Curie Co-57 source in the Ryan lab. The RSO will
recommend tongs or tweezers for handling sources when practical. Minimizing time spent with the Co-57 source is also recommended.

- All other doses in the Feb/Mar wear period were within 10% of the annual limits.

5. **Laser Safety:**
   - All new fillable forms have been created for the manual and the web site.
   - The Wosnik lab will be conducting laser experiments in the Wind Tunnel, or the Flow Physics Facility. Alignment and regular laser safety glasses will be worn. All doors will be posted with a Danger laser sign.
   - Laser surveys were performed. There was one item of non-compliance drinking in the lab, for the Kinsey lab in Kingsbury. The Kinsey lab has a laser, but no chemicals, biological materials or radioactive materials. There are only a few labs that have this situation. The RSO asked should the eating and drinking ban be relaxed for these labs. Committee Member Foxall and Committee Member Tillinghast were concerned that relaxing the eating and drinking requirement for some labs would confuse students; therefore there should be no eating or drinking in any lab. Committee Member Connell agreed, but did not feel it was the Radiation Safety Committee’s job to impose a ban on eating and drinking in labs unless a hazardous material is present, such as chemicals, radioactive materials or biological materials. The committee members agreed that the Internal Operating Procedure could be amended to state that there is no eating or drinking in a laser lab if the following materials are present: chemicals, radioactive materials, or biological materials.

6. **X-Ray Safety:**
   - The new portable x-ray machine for horses and the new electron microscope have been registered with the State of NH.
   - X-ray labs will be inspected later this month and the new registration will be posted.
   - We are still expecting an x-ray inspection from the State of NH. It has been four years since the last inspection.

7. **Training Report:**
   - A Radiation Worker training was given on April 17, 2014.

8. **Other Business:**
   - The RSO announced that Committee Member Tillinghast’s three year term has ended. The committee thanked Committee Member Tillinghast for his service.
Committee Member Connell made a motion to adjourn the meeting and Committee Member Foxall seconded the motion. Committee members voted for the motion to adjourn, and the motion passed at 10:40 am.