



Role and Recent Activities of the Federal Provincial and Territorial Radiation Protection Committee (FPTRPC)

Alan Du Sautoy

Canadian Nuclear Safety Commission

Co-chair, FPTRPC

Canadian Radiation Protection Association Conference

Saskatoon, SK

June 5, 2017



Federal Provincial and Territorial Radiation Protection Committee

The Federal Provincial Territorial Radiation Protection Committee (FPTRPC) was created to advance the development and harmonization of practices and standards for radiation protection within federal, provincial and territorial jurisdictions, and to communicate these to Canadians.



Membership





2016 FPTRPC Meetings

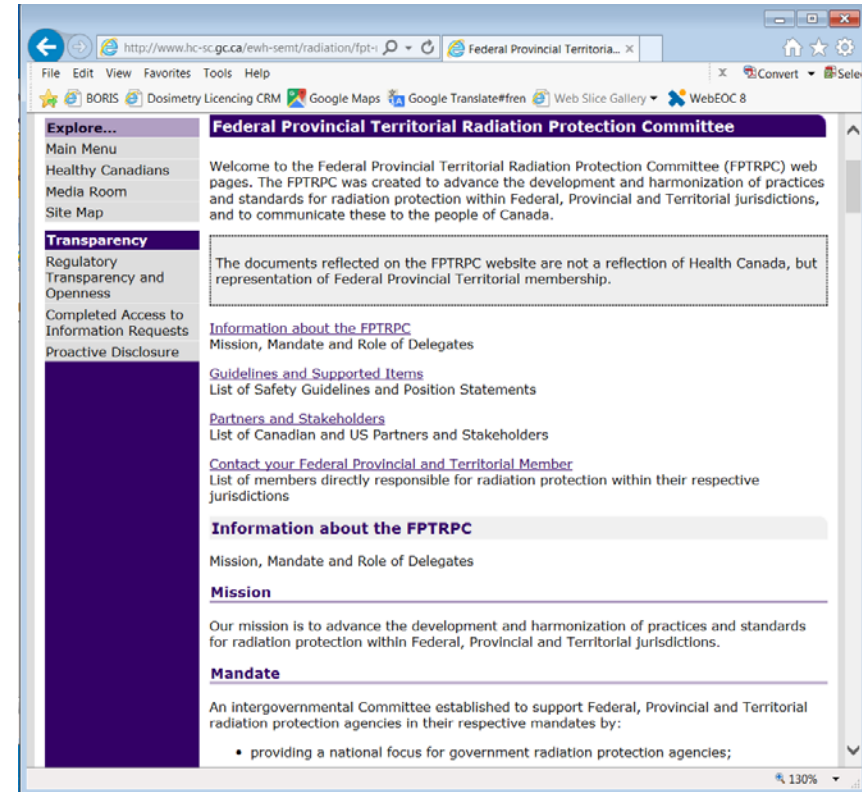
October 18 to 21, 2016 in Ottawa





Challenges and Opportunities

- Many new members
- Working groups
- Website
- New applications





Working Groups

- Business Plan and Communications Working Group
- Canadian Naturally Occurring Radioactivity Material Working Group
- Electromagnetic Fields Working Group
- Radiation Dosimetry Working Group
- Radiation Protection in Healthcare Working Group



Current Priorities

- Naturally Occurring Radioactive Material (NORM) (5)
- X-ray equipment (4)
- Handheld x-ray equipment (4)
- Lasers (4)
- Regulatory framework (3)
- Knowledge gaps (3)



NORM

- Applications for landfill permits
- Long-term implications of NORM disposal
- Need for guidance
- Radon is always a concern for non-uranium mining and exploration activities



Photo from TGE Resources, Inc.



X-Ray Equipment

- Supplier and ownership control
- Unregistered use of equipment by chiropractors
- Patients want to know their doses
- Fluoroscopy in operating rooms and emergency rooms without radiation safety training
- Use in law enforcement
- Regular doses over 5 mSv has been observed in veterinary hospitals





Handheld X-Ray Equipment

- Some jurisdictions are getting weekly calls requesting to use handheld equipment
- Circumstances may warrant handheld equipment
 - dental surgeons working in hospitals
 - remote areas
 - confined areas
- Radiation Emitting Devices Regulations to allow handheld equipment
 - Safety Code (SC) 30 to be revised
 - Need for guidance before SC 30 is updated



Photo from Inline Systems Pty Limited



Lasers

- Unregulated use of high powered lasers



Image from BeamQ laser



Regulatory Framework

- Regulations have been repealed or dated in some provinces/territories
- Basic safety standards?
- CNSC's REGDOC-2.7.1 and 2.7.2
 - Regulatory approach for radiation protection and dosimetry



Ongoing Working Group Activities

- Canadian NORM guidelines should be re-opened with broader stakeholder consultation
- Transportation guidelines for NORM are almost complete and should be finalized
- NORM waste disposal issue needs to be addressed
- Multibadging document to be finalized
- Tanning equipment guidelines
- Updating the website



Next Meeting

- Hosted by Health Canada
- Ottawa, Ontario
- October 24-27



Thank you!

For more information visit the website:

<http://www.hc-sc.gc.ca/ewh-semt/radiation/fpt-radprotect/index-eng.php>

Alan DuSautoy

alan.dusautoy@canada.ca