

Report on the
RADIATION SAFETY PROGRAM
to the Audit Committee
of the Board of Governors

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Summary

- Overview of Nuclear Safety and Control Act recent changes
- UWO Radiation Safety Program
- Canadian Nuclear Safety Commission Audit process



Nuclear Safety and Control Act Recent Changes

- Changes effective May 2000
- ALARA (as low as reasonably achievable)
- Laboratory Decommissioning
- Record Keeping
- Laboratory Inspection (Basic & Intermediate)
- Compliance Enforcement
- Training and Refresher training
- Waste Disposal



UWO Radiation Safety Program

- Governed by the NSC Act
- Regulatory Guide is G-121
- Radiation Safety Manual - policies and procedures



Administration for Radiation Safety

- **Radiation Safety Officer**
- **Radiation Safety Committee**
- **Senior Management (VP, Deans, Chairs)**



Accountability For Radiation Safety

- Permit Holder
- Supervisors
- Radiation Workers



UWO DEPARTMENTS WITH RADIATION PERMITS

- Biochemistry
- Physiology
- Physics
- Anatomy & Cell Biology
- Earth Sciences
- Plant Sciences
- Dentistry
- Zoology
- Chemistry
- Kinesiology
- Surface Science
Western
- Psychology
- Microbiology
- Pathology
- Pharmacology &
Toxicology
- Engineering



Department Chairs Accountabilities for Radiation Safety Program

- Oversee lab decommissioning
- Undergraduate teaching laboratories use of radioactive material
- Compliance enforcement policy - notified of first offence



CNSC February 2001 Inspection Results for UWO

Building	Rating
3M Centre	C
Medical Sciences Building	D
Molecular Biology	D
Physics & Astronomy	C
Western Science	C
Biological & Geological Science	D
Dental Science	D
Social Science	C
Thames Hall	C
Health Sciences Addition	C
Engineering	C



CNSC Audit Process

- The purpose of the audit is to verify the radiation protection program, evaluate performance, and inspect for compliance
- Planning for audit is scheduled Sept. 24 and 25
- Site visit for audit is scheduled week of October 22 - 26
- There will be 2 teams of 3 people assessing the University (interviews and lab inspections)



CNSC Audit Process

- **The site visit will entail interviews with a broad spectrum of faculty, staff and students**
- **Following the site visit in 6-8 weeks a written report is sent to the University**
- **Major issues observed by the team will be dealt with during the visit**
- **UWO will have 30 days to respond to the recommendations of the written report**



Potential Outcomes of the Audit

- Best case scenario: No major infractions; continuing operating as we currently are
- Worst case scenario: Identify major infractions; suspension of UWO license in use of radioactive material
- A single major infraction in one lab could result in suspension of permits for the entire building