

TERRA-CREAIT/MUN Powder X-Ray Diffraction Facility

Registration Form

Room ER 5006, Earth Sciences Bldg, Memorial University, 9 Arctic Ave., St. John's, NL A1B 3X5

Phone: (709) 864-3076. **Email:** waylward@mun.ca

Access to the XRD Facility will only be granted upon the return of this registration form. This form must be returned **fully** completed and signed by the user and supervisor.

User Information

Date:

Name:

Email:

Department:

Program: Bachelor's Master's PhD PostDoc Staff

Estimated Completion date:

Have you done XRD before: Yes No

Supervisor/Account Information

Academic Supervisor Name:

Complete FOAPAL:

Department administrating the grant:

Signing authority on the grant:

Signature from signing authority:

TERRA-CREAIT/MUN Powder X-Ray Diffraction Facility

Terms of Use

This area contains an X-Ray emitting device which is regulated under Canada's "Radiation Emitting Devices Act and Regulations" and Newfoundland's "Radiation Health and Safety Act and Regulations". Use of this facility MUST comply with Health Canada Safety Code 32. Further information may be found at www.mun.ca/health_safety/OHSMS/XSMS/. There will be zero toleration for violating these regulations.

1. Only authorized users will be permitted to use the facility. Only users who have completed MUN's x-ray radiation safety course and who have government issued dosimeters shall be permitted to operate the XRD. All other users are to submit their samples to the lab manager to collect the data for them.
2. All users visiting the lab MUST use the Area Monitor dosimeter and must sign the login book. Users are to return the Area Dosimeter to the lab manager when leaving the lab. Under no circumstances is the Area Dosimeter to leave the lab.
3. The offline processing computer located in the lab is available to users to process their data using our commercial software and databases. The lab manager will train users to use the software/databases, but all data interpretation is the responsibility of the users. If a material is not found in our databases, the users are responsible for locating their desired information through other sources. Under no circumstances are users to touch the XRD or the XRD operating computer. See rules #1 and #2.
4. Lab doors are to be kept closed and locked at ALL times.
5. Raw XRD data will be emailed to users upon completion. Users are responsible for uploading any processed data to Google Drive or Dropbox. No USB sticks are to be used in the lab.
6. All instrument time must be scheduled by contacting the lab manager. Scheduling is at the availability of the instrument and the lab manager, both clearly visible on the online calendar. If a user cannot make their scheduled time, he or she must contact the lab manager to make other arrangements. Repeated failure to comply with this may result in your supervisor being charged for the time.
7. All sample preparations are the responsibilities of the users. Only samples that are properly prepared for the XRD will be accepted. There is a mortar and pestle available in the lab for hand crushing samples. Users may also contact Mr. Matt Crocker (m.crocker@mun.ca) for information regarding TERRA's crushing facility.
8. All safety regulations of the facility must be followed at all times. All users must be WHIMIS certified. Please consult with the lab manager for more information regarding these regulations. Please be respectful of other users who may be in the facility with you.

9. All issues should be reported to the lab manager immediately. Only the lab manager is permitted to troubleshoot and restart the computers or XRD.

10. All emergencies should be reported to campus enforcement by calling 411.

11. Acknowledgements to the facility should be made when publishing data collected from the XRD.

By signing this, both supervisor and user acknowledge that you have read, understood and agree to abide by the Terms of Use.

User signature

Supervisor Signature