

Job: CMO-OSIM Technician (Requisition No.: 11369)

Location: Churchill, Manitoba

Posting End Date: July 24, 2020

Full-time, Permanent

35.00 hours/week, Monday - Friday, 8:30am - 4:30pm

Salary Range: \$26.75 - \$35.63 per hour (\$48,685.00 - \$64,846.60 per annum)

Proposed Start Date: August 1, 2020

Job Description:

The Centre for Earth Observation Science (CEOS) within the University of Manitoba C.H.R. Faculty of Environment, Earth, and Resources invites applications for a full-time technician.

This position will support research undertaken by the CEOS-led Churchill Marine Observatory (CMO) in Churchill, Manitoba. The CMO is a \$44M Canada Foundation for Innovation funded infrastructure project adjacent to Canada's only deep-water port in Churchill. The CMO includes the Ocean-Sea Ice Mesocosm (OSIM) facility; two pools designed to accommodate contaminated and controlled experiments on various scenarios of marine and freshwater environments. The facility draws water directly from the Churchill estuary, with the option of pumping sea water or freshwater into the pools. The facility also has several lab spaces, a multipurpose meeting room, and several storage facilities to house logistical support equipment.

The incumbent is the designated staff-in-residence and will be responsible for the daily operations and maintenance of the one-of-a-kind OSIM facility and related facilities of the CMO. The incumbent will be working in a remote location (Churchill) and will be expected to make sound decisions and timely actions to support a variety of science projects.

Responsibilities:

- Designated staff-in-residence and solely responsible for the daily operations and specialized maintenance of the Ocean-Sea-Ice-Mesocosm (OSIM) and related facilities (e.g., logistics base, science laboratories (chemistry, physics, atmospheric monitoring), and any other items on site) of the Churchill Marine Observatory (CMO).
- Operates and maintains highly specialized equipment for research experiments utilizing the OSIM pools (e.g. pool intake and discharge water systems, on-line oil recovery and clean-up system, movable roof system, waste water disposal, etc.).
- Coordinates the day-to-day project scheduling and coordination of OSIM experiments with the OSIM Chief Scientist, CMO Scientific Director, and other CMO administrators.
- Supports research experiments by assisting in experimental design set-up, method development, troubleshooting logistic and instrument usage problems, and sample collection at OSIM and related facilities.
- Acts as chief OSIM Safety Officer to ensure safe operations at OSIM; this includes safety and operational training and supervision of research personnel (graduate students, technicians, Faculty members) using OSIM pools and general facility.
- Responsible for record keeping of daily/weekly experiment schedules, expenditures (purchases of consumables), maintenance logbooks, etc.
- Responsible for the shipping and receiving of goods, including science equipment for users, science consumables, and facility consumables to and from local, national, and international destinations.
- Performs other related duties as required or assigned. This includes, but is not limited to general site management, coordinating and scheduling daily access to the facility, grounds keeping (snow clearing in winter), maintaining inventory of all logistical support equipment, maintaining the pools and other mechanical and electrical systems, etc.

Qualifications:

MINIMUM FORMAL EDUCATION/TRAINING:

- Bachelor's degree in a related field is required.

EXPERIENCE:

- Five years of directly related experience is required.
- Demonstrated experience working with small motors and pumps is required.
- Demonstrated experience working outdoors and in cold environments is required.
- Experience working with ice, snow, pools, the Arctic or marine environment is preferred.
- Experience working with environmental regulations is preferred.
- An acceptable equivalent combination of education and experience may be considered.

SKILLS AND ABILITIES:

- Must have a mechanical aptitude.
- Effective communication skills, both written and verbal, are essential.
- Ability to work both independently and as a member of a team is essential
- Ability and willingness to learn new techniques and administer specific phases of projects under general direction is required.
- Must be able to operate and maintain tractors, off-road vehicles, pick-up trucks, various boats, scissor lift, etc.
- Basic computer skills (email, internet) and Microsoft Office skills (Excel and Word) required.
- Troubleshoot equipment issues and the ability to repair/fabricate, is required. - Must have the ability to train and supervise staff and students to ensure proper safety protocols are being followed.
- Must be able to work within time and budgetary constraints.
- The incumbent may be required to work evenings and weekends in order to supervise and assist with research projects as required.
- Satisfactory work record, including satisfactory attendance and punctuality, is required.

OTHER JOB-RELATED QUALIFICATIONS:

- Valid Class 5 Manitoba drivers' licence is required.
- Must be physically capable of performing duties as assigned, which includes mobility and heavy lifting, especially in an outdoor environment during winter.
- Familiarity with Churchill and/or northern communities is preferred.
- Valid boating licence (pleasure craft and SVOP) is preferred.
- Hydraulic, electrical, and carpentry skills are an asset. Required Training (will be provided to the successful candidate):
- Possession and Acquisition Licence (PAL)
- Transportation of Dangerous Goods (certified in ground and air)
- First Aid, including CPR - Basic Laboratory Safety WHMIS
- HAZMAT training
- Oil training
- Confined spaces and fall arrest training.

To apply visit the posting online: https://viprecprod.ad.umanitoba.ca/default.aspx?REQ_ID=11369&Language=1

For more information, please contact: Linda Chow 536 Wallace Building, 125 Dysart Road
204-272-1541 or Linda.Chow1@umanitoba.ca

Additional Information:

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. If you require accommodation supports during the recruitment process, please contact UM.Accommodation@umanitoba.ca or 204-474-8371.

Please note this contact information is for accommodation reasons only. Application materials, including letters of reference, will be handled in accordance with the protection of privacy provisions of "The Freedom of Information and Protection of Privacy" (Manitoba). Please note that curriculum vitae will be provided to participating members of the search process.