

The University of Western Ontario

Acknowledgment of Designation as Nuclear Energy Worker

The University of Western Ontario (UWO) is committed to the health and safety of its employees. To this end, in the Radiation Safety program, the University will be designating all those working with nuclear materials including nuclear substances, radiation devices or class II prescribed equipment as Nuclear Energy Workers (NEWS). In accordance with the Nuclear Safety and Control Act and Regulations of Canada, the University is required to effect such designation if there is a reasonable probability of an individual receiving a radiation dose (effective dose) greater than the dose limit for the general public (1 mSv per year for the whole body). The designation facilitates tracking by the National Dose Registry maintained by the Radiation Protection Bureau of Health Canada of each workers lifetime exposure to radioactive material.

The University of Western Ontario is committed to taking every reasonable precaution, as is practical, to maintain the radiation exposure of all Nuclear Energy Workers, staff, students and the public to ALARA, (As Low As Reasonably Achievable).

As a Nuclear Energy Worker you must be aware of the following critical radiation levels:

- Natural background levels: 2.0 –3.0 mSv/year
- Typical occupational level: 0.2-1.0 mSv/year
- Effective dose limit: (a) One-year dosimetry period: 50 mSv (b) Five-year dosimetry period: 100 mSv. The average is 20 mSv/year in five year period
- Action level of effective dose: 2.0 mSv/year (any value greater than this must be investigated and reported to the CNSC)

You must also be familiar with the following documents, which are provided to you:

1. The applicable dose limits as specified in the Radiation Protection Regulations by the Canadian Nuclear Safety Commission
2. Dose limits for pregnant Nuclear Energy Workers in section 13 of the Radiation Protection Regulations of the Canadian Nuclear Safety Commission
3. Radiation Risk in Perspective, a position statement of Health Physics Society
4. Risk Assessment, a position statement of Health Physics Society

A pregnant Nuclear Energy Worker must inform in writing as specified in section 11(1) of the Radiation Protection Regulations, her Internal Permit Holder and the Radiation Safety Officer in writing as soon as she is aware of her condition. The University must also follow section 11(2) of the Radiation Protection Regulations on being informed by a nuclear energy worker that she is pregnant.

I understand the risks, my obligations and the radiation dose limits and levels that are associated with being designated as a Nuclear Energy Worker.

Name _____ SIN: _____

Signature _____ Date: _____

Signature of Radiation Safety Officer _____ Date: _____