



NUCLEAR ENERGY WORKER STATUS

Safety and Security
3700 Willingdon Avenue
Burnaby, BC V5G 3H2
T 604.451.6993 • F 604.451.1816

Name		
Date of Birth	Gender <input type="radio"/> Male <input type="radio"/> Female	Social Insurance Number

In accordance with the Nuclear Safety and Control Act and Regulations of Canada, this is to inform you that you are considered a **NUCLEAR ENERGY WORKER (NEW)**. A NEW as defined in the Nuclear Safety and Control Act means a person required, in the course of the person's business or occupation in connection with a nuclear substance or nuclear facility to perform duties in such circumstances that there is a reasonable probability that the person may receive an exposure dose that is greater than the prescribed limit for a member of the general public.

As required by the Radiation Protection Regulations, I have been informed in writing of:

- a) The risks associated with radiation to which I may be exposed during the course of my work, including the risk associated with exposure to an embryo or foetus.

Health effects caused by exposure to ionizing radiation can be grouped into two general categories, acute and long term effects:

- **Acute effects** result when large doses of radiation are absorbed over a short period of time resulting in ; radiation burns , radiation sickness, possible death and genetic effects in embryos and foetuses.
- **Long term effects** are not readily apparent and are associated with the absorption of lower quantities of radiation over longer periods of time. Examples of long term effects include anaemia, leukaemia, tumours, impaired fertility and genetic defects in embryos and foetuses.

- b) the applicable dose limits as specified in the Radiation Protection Regulations.

STOCHASTIC DOSE LIMITS		
Person	Duration	Effective Dose
Nuclear energy worker	Annual limit	50 mSv
	Five year limit	100 mSv
Pregnant N.E. worker	Remainder of term	4 mSv (abdomen)
General public	Annual limit	1 mSv

DETERMINISTIC DOSE LIMITS	
Organ	Annual Limit
Annual dose equivalent in:	
• Lens of the eye	150 mSv
• Skin	500 mSv
• Hands and feet	500 mSv

- c) my expected radiation dose levels.
- d) for females, my rights and obligations should I become pregnant.

Every NEW that becomes aware she is pregnant shall immediately inform the licensee in writing. The maximum permissible dose limits defined above for pregnant workers become immediately effective. The licensee will make those accommodations to limit exposure that will not occasion costs or business convenience constituting undue hardship on the licensee.

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

Signature of Worker	Signature of RSO	Date
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