Development of a Technical Planning Basis

Course Description

This course covers the hands-on creation of a technical planning basis to serve as the foundation of a radiological or nuclear (RN) emergency plan. The technical planning basis document provides a practical description of potential accidents, incidents or malevolent acts, including the range of potential events, their likelihood and consequence. The technical planning basis also leads to the definition of emergency planning zones and planning strategies.

Course Objectives

- Understand how to develop a technically-credible planning basis;
- Understand how to justify reasonable planning zone sizes; and
- Provide rationale to support future discussions on planning zones and emergency response strategy.

Who Will Benefit?

Planners and scientific/technical staff involved in the development of emergency plans and/or technical planning bases (e.g. health physicists; staff involved in the development of nuclear emergency response plans or severe accident management guidelines; emergency response planners within federal, provincial and municipal emergency operations centers).

Course Topics Include:

- Emergency planning concepts;
- Planning basis considerations:
  - Accidents, incidents and malevolent acts;
  - Threat assessment; and
  - Reference releases for the technical planning basis.
- Consequence analysis results;
- Definition of emergency planning zones and strategies;
- Technical Planning Basis impact on emergency planning:
  - Response procedures; and
  - Training.

Nuclear Safety Training Contact Information

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