

The Canadian Network

National Biological Dosimetry Response
Plan (NBDRP)



Health Santé
Canada Canada

Increased capacity from four the reference laboratories...



**Health Canada –Consumer and Clinical Radiation
Protection Bureau - Ottawa (Lead)**

Health Santé
Canada Canada



**Defence Research and
Development Canada-
Ottawa**



**McMaster Institute of Applied
Radiation Sciences
– Hamilton**



**Atomic Energy of Canada
Limited – Chalk River**

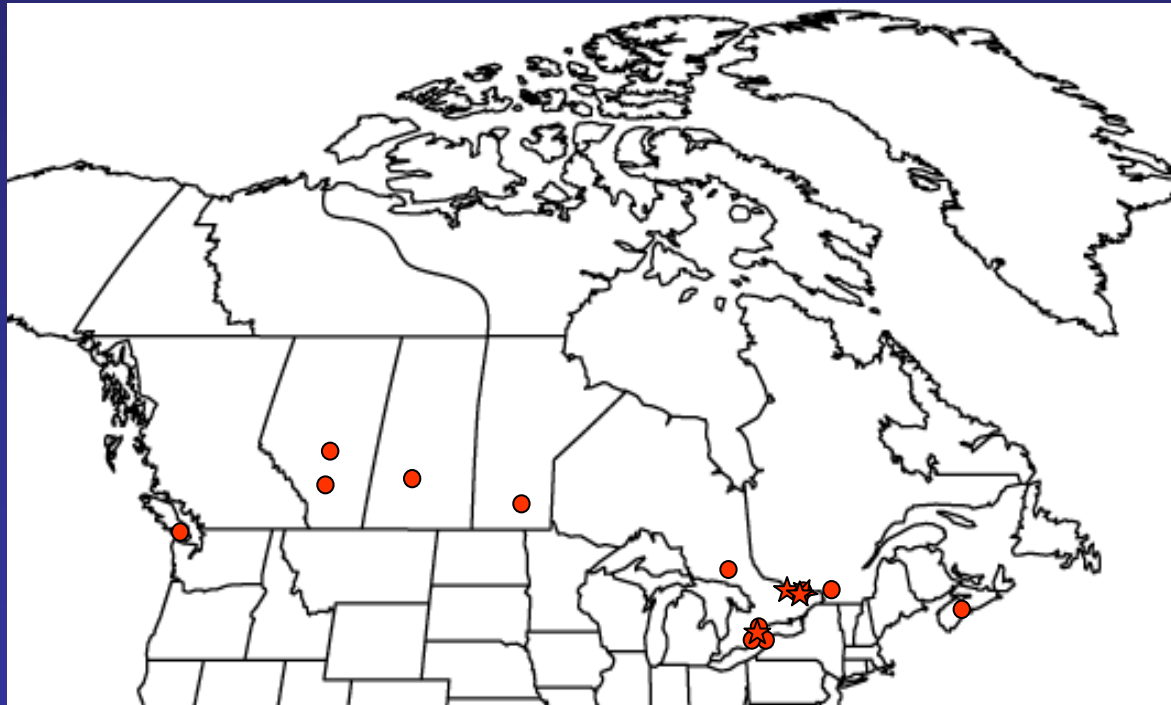


AECL
Atomic Energy
of Canada Limited



...to 22 laboratories across the country

- Recruited cytogenetics laboratories from across the country to act as satellite scoring labs
- Train to score dicentric assay when reference labs are overwhelmed





Future Directions

- Received renewal of funding from Chemical, Biological, Radiological and Nuclear Research and Technology Initiative (CRTI)
 - 5 years of funding (\$2M)
 - Includes US partners (AFRRI, Oakridge)
- Yearly exercises
- Strengthen links to clinical laboratories
- Develop Centre for Emergency Biological Dosimetry at the Michener Institute in Toronto
 - Use for sample processing in emergency
 - Training centre for cytogeneticists with large huge resource of microscopes, lab space in personnel
- Continued research into novel high throughput methods for biological dosimetry