Reaching Milestones: Human Health Risk Assessment

2003

- Select 6 Chemicals of Concern (COCs) (arsenic, cobalt, copper, lead, nickel and selenium). A COC is a chemical that has been identified for further study in the human health risk assessment (HHRA) or ecological risk assessment (ERA) process.
- Identify communities of interest
 Sudbury core, Coniston, Copper Cliff, Falconbridge
- Collect background data
- Design and establish air monitoring network
- Draft methodology document
- Design and implement vegetable garden study
- Information package for physicians
- Winter survey to determine fish eating patterns

2004

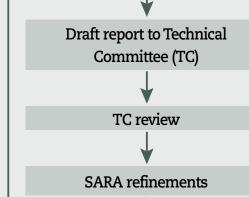
- Draft toxicological profiles for each COC
- Develop model to assess exposure to metals
- Determine form of metal present in samples (speciation)
- Collect and analyze cattle tissues
- Complete air monitoring study
- Collect indoor dust samples
- Collect drinking water samples

2005

- Analyze Sudbury specific data on cattle, fish, soils, air, drinking water, indoor dust and food consumption
- Prepare profiles on toxicology of each COC
- Food consumption survey
- Soil and air sample speciation for nickel
- Soil bioaccessibility
- Finalize Excel-based risk assessment model

Data integration and screening level risk assessment

Interim reports as necessary



2006

2nd draft to International

Expert Review Panel

 Deliver human health risk assessment (HHRA) and ecological risk assessment (ERA) results to the community

Continued public consultation – newsletters, website, toll-free number, email, newspaper articles, television and radio interviews