

**Sudbury Soils Study**  
**Technical Committee Minutes – Meeting #48**  
**Key Progress & Decision Summary for Meeting of April 13, 2006**

**SARA Group Monthly Report**

**Communication Update:** SARA was a presenter and held a half day workshop at the Sudbury Restoration Workshop on Feb. 22nd-23<sup>rd</sup>, and made a presentation to the Public Advisory Committee on March 21<sup>st</sup> on the data collected for the Sudbury Soils Study (*Sudbury by Numbers*). The Laurentian Society of Environmental Toxicology and Chemistry Conference, on large scale ecological risk assessments, will be held in Sudbury May 16<sup>th</sup> – 18<sup>th</sup>.

**Volume II – HHRA:** SARA is currently completing revisions to the report. Responses to all comments are being provided to the Technical Committee in table format.

**HHRA Exposure Model:** The GlobalTox review has been completed and comments were submitted on March 1<sup>st</sup>. No significant issues or problems were identified with the model developed for HHRA.

**Bioaccessibility:** Revised report circulated to Technical Committee. SARA has no reason not to use the study results and will stand by the findings used in the HHRA as presented in the first draft of Volume II.

**Market Basket Food Consumption Data:** SARA felt 1970 information provides a more conservative exposure estimate and was appropriate but will increase the discussion of the comparison of the data and implications for the risk assessment.

**Soil “Preliminary Remediation Goals”:** The approach used is that from the United States Environmental Protection Agency, and is considered by SARA to be the most scientifically defensible method currently available.

**Nickel Speciation in Air and Dust Samples:** Additional Ni subsulphide results to better narrow the range of risk predictions have been received from SGS Lakefield; CLS results are pending. Results to date indicate presence of nickel subsulphide, but the relative abundance is small. Wind direction data will also be incorporated in exposure analysis. It is expected that predicted risk will be lowered considerably from the “worst case” scenario.

**Recommended Path Forward:** Recommending completion of HHRA under the current schedule; include soil related risks; inhalation cancer risks related to airborne nickel will be adequately addressed. Any remaining uncertainties or further investigation can be completed outside the HHRA.

**Sudbury Soils Study Schedules:**

- Volume I – SARA working through comments; to Technical Committee by end of May to accompany HHRA to TERA; comments expected from TERA by July 31<sup>st</sup>
- Volume II – comment response from SARA to Technical Committee by May 1<sup>st</sup>; rewritten sections to Technical Committee by May 15<sup>th</sup>; to TERA by May 29<sup>th</sup>

**Glossary:**

SSS – Sudbury Soils Study

PAC – Public Advisory Committee

CSC – Communications Sub-Committee

ERA – Ecological Risk Assessment

TC – Technical Committee

WG – Technical Committee Working Group

HHRA – Human Health Risk Assessment

IERP – International Expert Review Panel