

# Human Health Risk Assessment (HHRA) - Flin Flon / Creighton Technical Advisory Committee (TAC)

February 27, 2008  
Meeting / Teleconference

## Attendance - In Boardroom A:

MB Conservation: Dave Bezak, Geoff Jones, Audrey Romanchuk  
SERM: George Bihun  
HBMS: Alan Hair, Shirley Neault  
Intrinsic Environmental: Elliot Sigal  
Facilitator: Sheldon McLeod

## Attendance - On Telephone:

MB Health: Susan Roberecki  
MB STEM: Doina Priscu  
MB Water Stewardship: Dave Green  
SK Health: James Irvine, David Sampson  
Health Canada: Margaret Yole  
Intrinsic Environmental: Adam Safruk

## Introduction

- The December 6 minutes were approved and action items updated.

#	Action	Responsibility	Target Date	Status
017	Final comments on the HHRA TOR to be submitted.	Susan Roberecki	2007-12-14	2007-12-06, updated 2008-02-04, ongoing 2008-02-27, ongoing
022	Conduct a broader survey of drinking water to confirm that the current sites are representative.	Alan Hair	2008-01-15	2007-12-06, new 2008-02-04, ongoing 2008-02-27, ongoing
024	Provide references for adjustment factors to TAC.	Elliot Sigal	As factors arise	2007-12-06, new 2008-02-04, ongoing 2008-02-27, ongoing
025	Develop a flow sheet of the HHRA process for the TAC / CAC.	Elliot Sigal	2007-12-14	2007-12-06, new 2008-02-04, ongoing 2008-02-27, <b>Complete</b>
026	Provide an interim report on the results of the problem formulation stage.	Adam Safruk	2008-03-14	2007-12-06, new 2008-02-04, ongoing 2008-02-27, ongoing

## HHRA - Update

- Elliot Sigal of Intrinsic presented an update.
  - Soil:
    - The to-depth data has not yet been analyzed.
    - The results are consistent with the MB Conservation study.
    - The concentrations dropped rapidly in the samples collected further away from the Flin Flon Metallurgical Complex.

- No sandboxes sampled indicated elevated metal levels.
  - Only one garden sample exceeded CCME levels. Further investigation and action is required.
- Dust:
- The dust data is questionable, as the numbers in the vacuum samples are low for any residence in Canada. The detection limits used by the lab are the likely reason.
  - Due to the above problem, resampling of residential dust may be required. If so, the samples won't be collected until July at the earliest.
  - Only one wipe sample exceeded EPA HUD standards. These results are not useful on a stand-alone basis for the HHRA, but rather compliment the vacuum samples.
- Snow Sampling:
- The snow collection is scheduled for next week.
  - The criteria supplied by MB Conservation were considered when developing the sampling program.
  - The results will at least answer questions related to children eating snow, although no data has been found about how much the average child eats.
- Other HHRA Activities:
- The drinking water data is expected to take approximately one month to compile. Total metals and not extractable metals will be tested.
  - The Gantt chart and schedule as presented meet the needs of the TAC. This document will be updated as appropriate by Intrinsik.
  - The draft soil report needs to be finalized (see action #045)

#	Action	Responsibility	Target Date	Status
035	Determine proposal / strategy for communication of sampling data	HBMS / Gartner Lee	2008-02-11	2008-02-04, new 2008-02-27, <b>Complete</b>
036	Attend teleconference(s) to resolve sampling data communication strategy	All	2008-02-11	2008-02-04, new 2008-02-27, <b>Complete</b>
037	E-mail food questionnaire for final TAC review	Shirley Neault	2008-02-04	2008-02-04, new 2008-02-27, <b>Complete</b>
038	Provide bioaccessibility study to TAC members	Elliot Sigal	2008-02-07	2008-02-04, new 2008-02-27, <b>Complete</b>
039	Circulate an example toxic profile of chemicals of concern for comments regarding content / approach	Elliot Sigal	2008-03-14	2008-02-04, new 2008-02-27, ongoing
040	Ask Jacques Whitford to draft a snow sampling plan	Alan Hair	2008-02-07	2008-02-04, new 2008-02-27, <b>Complete</b>
045	Provide comments on the draft soil report to Alan	TAC	2008-03-03	2008-02-27, new
046	Provide words via e-mail for footnote in table re CCME guideline explanation	Susan, Dave B. & Geoff	2008-02-29	2008-02-27, new

### **Communication of Results**

The draft letters to residents whose yards were sampled was reviewed.

- The table attached to the letter will only include relevant rows in personalized data tables (i.e. if 4 samples were collected, then 4 rows will appear).
- The CCME guideline explanation needs to be expanded (see action #046).
- Caution to use all parts of the materials sent to residents was reiterated (i.e. use the letter, the fact sheet and the table to interpret the results).

#	Action	Responsibility	Target Date	Status
041	Provide technical comments on the documents distributed for the meeting of the 14 <sup>th</sup>	TAC	2008-02-20	2008-02-14, new 2008-02-27, <b>Complete</b>
042	Supply Geoff with specific data including UTM coordinates.	Elliot Sigal	2008-03-14	2008-02-14, new 2008-02-27, ongoing
043	Determine whether all data points can be put on the figures.	Elliot Sigal	2008-02-18	2008-02-14, new 2008-02-27, <b>Complete (No)</b>
044	Organize meeting of CWG	Alan Hair	2008-02-21	2008-02-14, new 2008-02-27, <b>Complete</b>

### Community Health Assessment

- The handout from MB / SK Health was reviewed (see action #047).
 

Question: Could the Health Departments prepare a Gantt chart for this assessment?

Response: Yes, but the dates may not be able to be “nailed down” until the end of March. The overall target will be the same as the HHRA.

Question: How will the status of health and demand for health services interrelate with the previous study?

Response: Some comparisons could be made, but this assessment is planned to be more comprehensive.

#	Action	Responsibility	Target Date	Status
031	Investigate legal issues related to release of HBMS employee monitoring data.	Susan Roberecki	2008-01-31	2007-12-06, new 2008-02-04, ongoing 2008-02-27, <b>Complete</b>
047	Post the health handout given at the CAC meeting on the HHRA website.	Ian Cooper	2008-02-29	2008-02-27, new

### Correspondence / Comments

- Possible dates for the proposed Open House were discussed.
- A request was made and accepted that any new data be circulated early for review by the TAC members or it cannot be used at the Open House.
- Questions and comments made by area residents were discussed.
- The CAC needs to determine the process for responding, as the comments provided to date were made to them.

- The TAC, however, recommended that the Communications Working Group (CWG) should deal with questions and comments. Therefore, any correspondence with the CAC should be forwarded to the CWG to be dealt with.

**Terms of Reference**

The draft terms of reference were approved with some changes. This is a living document, so further changes may be made as the overall HHRA process progresses.

#	Action	Responsibility	Target Date	Status
032	Revise TAC TOR to reflect latest discussions.	Sheldon McLeod	2008-01-15	2007-12-06, new 2008-02-04, ongoing 2008-02-27, <b>Complete</b>
033	Include CAC Feedback item on future TAC meeting agendas.	Sheldon McLeod	2008-01-15	2007-12-06, new 2008-02-04, ongoing 2008-02-27, <b>Complete</b>

**NEXT MEETING: Conference call on April 7 from 2-4 p.m.**