

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

February 23, 2009
Draft HHRA Review

Attendance

MB Conservation: Dave Bezak, Mike Gilbertson, Geoff Jones, Scott Nicol
 MB Health & Healthy Living: Lawrence Elliott, Susan Roberecki
 MB STEM: Doina Priscu
 MB Water Stewardship: Dave Green, Kevin Jacobs
 SERM: George Bihun
 SK Health: James Irvine, David Sampson
 Health Canada: Lindsay Smith
 HBMS: Alan Hair, Ian Cooper, Shirley Neault, Joel Nilsen, Steph West
 Intrinsic Environmental: Elliot Sigal, Adam Safruk
 Facilitator: Sheldon McLeod
 Observers: Tom Lindsey

Introduction

- The agenda was reviewed and accepted.
- The notes from the previous meeting (January 15) were reviewed and approved.

Draft HHRA

#	Action	Responsibility	Target Date	Status
095	Finalize comments on draft HHRA	TAC Members	2009-02-23	2009-01-15, new 2009-02-23, Complete

General

- The report looks professional.
- It needs an editorial review.
- It needs an executive summary, a draft of which should accompany the report submitted to the peer review panel. The plan is to produce two summary documents; one approximately three pages long to go with the peer review package and a longer (approximately 30 pages) summary following shortly thereafter.
- If Intrinsic needs further clarification on the comments received, they will contact the commenter directly.
- Further comments from the TAC must be sent to Intrinsic by the end of this week (see action #99). Please provide them in word so that Intrinsic can copy and paste all of the comments in a table compilation of all of the TAC comments.
- The executive summary will be prepared by Intrinsic. The final draft report will be ready to go to the Independent Review Panel by March 30.

Detailed Technical Review*

- The following chapters of the draft HHRA were discussed in detail:
 - Chapter One – Introduction
 - Chapter Two – Literature Review, Gap Analysis and Supplemental Sampling
 - Chapter Four – Detailed Human Health Risk Assessment

- Chapter Five – Results and Discussion
- Chapter Six – Other Risk Assessment Issues
- Chapter Seven – Limitations and Uncertainties in the HHRA
- Chapter Eight – Conclusions and Recommendations

Other Sections of Draft Report

- The remaining sections of the report were not discussed in detail as the contents of them have either been previously reviewed by the TAC members or are supporting calculations for the chapters reviewed. Those sections are:
 - Chapter Three – Problem Formulation
 - Appendix A – Toxicological Profiles
 - Appendix B – Residential Soils Study
 - Appendix C – Supplemental Data
 - Appendix D – Dust Study
 - Appendix E – Surface Water, Sediment, Fish and Blueberry Study
 - Appendix F – Response to Comments
 - Appendix G – Bioaccessibility
 - Appendix H – Model Assumptions, Equations, Algorithms and Worked Example
 - Appendix I – TSP and PM10
 - Appendix J – Glossary
 - Appendix K – Market Basket EDI
 - Appendix L – IEUBK Modelling Results
 - Appendix M – Detailed Results
 - Appendix N – ProUCL Results
 - Appendix O – Wild Game
 - Appendix P – Food Consumption Survey
 - Appendix Q – Drinking Water
 - Appendix R – Snow

#	Action	Responsibility	Target Date	Status
096	Review and incorporate, as appropriate, comments on the draft HHRA provided by TAC members	Intrinsik	2009-03-20	2009-02-23, new 2009-03-23, ongoing
097	Follow-up on outstanding issues	Intrinsik / Lindsay Smith	2009-03-13	2009-02-23, new 2009-03-23, ongoing
098	Supply additional drinking water background information to Intrinsik for consideration	Geoff / George	2009-03-04	2009-02-23, new 2009-03-23, ongoing (no response from MB Water Stewardship yet; no info available in SK)
099	Provide further comments (in Word) to Intrinsik	TAC Members	2009-02-27	2009-02-23, new 2009-03-23, Complete

Peer Review Panel

- The Request for Proposal (RFP) was posted on MERX. Two responses were received; both from well qualified groups.
- The selection process consists of an evaluation table prepared by the sub-group. The process will be completed later this week (see action #100).

- To aid in the IERP process, Intrinsic can provide charge questions that were posed by the IERP for the Sudbury Study (see action #101).

#	Action	Responsibility	Target Date	Status
100	Complete the selection process for the IERP	IERP Sub-group	2009-02-25	2009-02-23, new
101	Circulate charge questions raised by the IERP in Sudbury	Elliot Sigal	2009-03-13	2009-02-23, new

Fish and Berry Study

- A potential cover letter to be added to the Fish and Berry Study Report was circulated prior to this meeting, along with some additional data.
 - The report could reference the cover letter as an appendix while the background data could be posted on the website. Or the feedback could be provided directly to Stantec so that they can address it in their fish report (highlighting that the report is not a water report) (see action #102).

#	Action	Responsibility	Target Date	Status
102	Send additional data for the fish report to Stantec and then call to discuss	Alan Hair	2009-02-25	2009-02-23, new

Biomonitoring

Question: What is the status of the potential biomonitoring program planning?

Response: A conference call is planned for the first week in March with Dr. Lesbia Smith, a physician and expert on environmental epidemiology. She will help prepare testing protocols, including what needs to be done for ethics review and what specific resources will be required to conduct the biomonitoring, should it be required.

Comment: The biomonitoring program should be driven by a sub-group of the TAC.

Response: Agreed. To date, a biomonitoring schedule has been drafted by the sub-group (see action #103). The sampling, should it be required, is currently scheduled to occur in September / October 2009, however, the scope needs to be determined and may change following the IERP exercise. The program would need to be announced in June. Therefore, the timelines are very tight because of timing for CAC sharing, public announcement, peer review comments and ethics review all being required in June.

Comment: In order for Health Canada to participate, an official invite to the biomonitoring process is required.

Response: MB Conservation will send an e-mail or letter (see action #104).

#	Action	Responsibility	Target Date	Status
103	Share draft biomonitoring schedule with entire TAC	George Bihun	2009-03-13	2009-02-23, new
104	Send official invite to participate in the biomonitoring process to Health Canada	Dave Bezak	2009-03-06	2009-02-23, new

Next Steps

- A CAC meeting needs to be held when the draft is ready for IERP hand-off. The meeting may need to be in camera, as allowed by the CAC terms of reference. At the same meeting, an explanation of the peer review process could be provided by a member of the panel. A final decision cannot be made until after the conference call with Dr. Smith.
- The CAC needs to have some indication as to at what other points they need to be involved.

NEXT MEETING:

Teleconference: March 19 at 2:00

*NOTE: The detailed version of the technical review will be posted on the website after the HHRA report becomes public.