

**Core Group Meeting for Preparation of the  
IAEA Technical Reports Series Document on  
“Environmental Transfer Parameters for Wildlife” Handbook**

**MINUTES**

**Canadian Nuclear Safety Commission (CNSC) Headquarters, Ottawa, Canada  
18–20 November 2009**

**Meeting objectives**

The aim of the meeting was to write the first complete draft of the Handbook on Transfer of Radionuclides to Wildlife so that it could be distributed to EMRAS II WG5 participants prior to the 2<sup>nd</sup> EMRAS II Technical Meeting (TM), being held at IAEA Headquarters in Vienna, 25–29 January 2010.

***Meeting plan***

The core group split into two sub-groups:

Drafting text for the handbook: B. Howard, K. Higley, J. Brown, D. Copplesstone.

Collation of the data conversion tables: T. Yankovitch, N. Beresford.

An additional sub-group considered the status and input into the online database: D. Copplesstone, N. Beresford, J. Brown.

**Handbook progress**

Text has been written for most sections of the handbook. The data tables for conversions and CR values have not been inserted as they are not yet available. Guidance for data ga filling is not yet complete. All text needs to be reviewed within the core group. The text for Bayesian methods still needs some work to make it understandable to the lay reader.

The draft handbook will be provided to participants of the next WG5 meeting during the 2<sup>nd</sup> EMRAS II TM (25–29 January 2010).

**Data conversion tables progress**

It became apparent that the compilation of this data is going to take a lot of time. Nevertheless, because of the substantial effort put in over the preceding weekend and during the week in Ottawa, good progress has been made although the tables are not yet complete.

**Online database progress**

Inputs into the database and the database construction were reviewed. The group realised that some of the marine CR values in ERICA were based on tissue values which have not been corrected for whole body. Therefore, the underlying data will need to be consulted and the whole body conversions carried out.

There have been many modifications requested which has increased the complexity of the underlying software and its many links. This has meant that there is a need for time to conduct rigorous quality and functioning checks to ensure that the data input and output is functioning correctly.

## Action list

Action	Responsible person(s)	Deadline
Complete data gap filling section	KH and NAB (review)	KH – by 10 <sup>th</sup> Dec
Follow up UK meeting on DB and Handbook review	BJH, NAB, DC	Dates agreed – 11 <sup>th</sup> and 16 <sup>th</sup> Dec
Improve / simplify Bayesian text	JB	31st Dec
Finalise conversion tables	NAB, TLY	31st Dec
Revise marine CR value for whole body	JB	31st Dec
Incorporate new CR data (QC'd) into database	NAB, DC	8 <sup>th</sup> Jan 2010
Send first draft to IAEA and WG5	BJH	16 <sup>th</sup> Jan 2010

MEETING AGENDA	
<b>Wednesday 18<sup>th</sup> November 2009</b>	Handbook: drafting Conversion table compilation
<b>Thursday 19<sup>th</sup> November 2009</b>	Handbook: drafting Conversion table compilation Consideration of Online database
<b>Friday 20<sup>th</sup> November 2009</b>	Handbook: drafting Conversion table compilation

List of Participants	
Name / Email	Organization / Country
Mr Nicholas Beresford ( <a href="mailto:nab@ceh.ac.uk">nab@ceh.ac.uk</a> )	Centre for Ecology & Hydrology (CEH), UK
Mr Justin Brown ( <a href="mailto:justin.brown@nrpa.no">justin.brown@nrpa.no</a> )	Norwegian Radiation Protection Authority (NRPA), Norway
Mr David Copplesstone ( <a href="mailto:david.copplesstone@environment-agency.gov.uk">david.copplesstone@environment-agency.gov.uk</a> )	The Environment Agency (EA), UK
Ms Brenda J. Howard* ( <a href="mailto:bjho@ceh.ac.uk">bjho@ceh.ac.uk</a> )	Centre for Ecology & Hydrology (CEH), UK
Ms Kathryn Higley ( <a href="mailto:kathryn.higley@oregonstate.edu">kathryn.higley@oregonstate.edu</a> )	Oregon State University, USA
Ms Tamara L. Yankovich ( <a href="mailto:tamara.yankovich@areva.ca">tamara.yankovich@areva.ca</a> )	AREVA Resources, Canada

\* Acted as IAEA Representative.