

Workshop on the safe storage and disposal of redundant mercury

13th & 14th October 2009

St Anne's College, Oxford (UK)

Programme

Registration desk open from 11.30

Timing	Format	Presentation / activity	Speaker / persons involved
Day 1 – Tuesday 13th October			
12.15 - 13.00	-	<i>Buffet lunch</i>	-
13.00 - 13.10	10 min presentation	Welcome, workshop aims and structure	Dr. Bruce Howard (Oxford University)
13.10 - 13.15	-	Introductory comments from the Chair	Professor Jane Plant (Imperial College, London)
13.15 - 13.45	20 min presentation followed by questions	Policy context and regulatory framework for mercury storage and disposal	Mr. Stephen Cane (UK Defra) & Dr. Mike Roberts (UK Defra)
13.45 - 14.15	20 min presentation followed by questions	Underground storage and disposal in a salt formation based on elemental mercury	Dr. Thomas Brasser (GRS mbH, Germany), Mr. Alexander Baart (K+S Entsorgung GmbH, Germany)
14.15 - 14.45	20 min presentation followed by questions	Underground storage and disposal in hard rock based on a chemically-stable mercury solid	Mr. Lars Olof Höglund (Kemakta Konsult AB, Sweden)
14.45 - 15.00	-	<i>Coffee</i>	-
15.00 - 15.15	10 min presentation followed by questions	Overview of mercury stabilisation processes	Ms. Sonja Bauer (BiPRO GmbH, Germany)
15.15 - 15.40	20 min presentation followed by questions	Stabilisation of mercury for final disposal by formation of mercury sulphide	Ms. Miriam Ortheil (DELA, GmbH Germany)
15.40 - 16.05	20 min presentation (video link) followed by questions	Design of mercury storage containers	Dr Stephen Pawel and Mr. Adam Carroll (Oak Ridge National Laboratory, US)
16.05 - 17.05	60 min group discussion around set questions	Breakout groups to discuss operational phase of underground repository	All participants
17.05 - 17.45	40 min feedback and discussion	Group leader report back and discussion	Breakout group leaders and all participants
17.45 - 17.50	-	Overview of day 2	Dr. Bruce Howard
19.30 - 21.30		<i>Reception and dinner (St Anne's College)</i>	

Timing	Format	Presentation / activity	Speaker / persons involved
DAY 2 – Wednesday 14th October			
9.00 - 9.10	-	Introduction to the day / reflections from day 1	Professor Jane Plant
9.10 - 10.10	15 min presentations, each followed by 5 min discussion	<p><i>Factors to be considered in evaluating the post-closure risks arising from a disposal facility</i></p> <p>Evaluating the Post-closure Safety of Geological Disposal of Long-lived Radioactive Wastes</p> <p>Groundwater Chemotoxic Screening for Radioactive Waste Disposal</p> <p>Assessing the behaviour and fate of mercury should it be released from a disposal facility</p>	<p>Professor Alan Hooper (Independent Consultant, UK)</p> <p>Mr. Steve Williams (Nuclear Decommissioning Authority, UK)</p> <p>Mr. Lars Olof Höglund (Kemakta Konsult AB, Sweden)</p>
10.10 - 11.40	90 min group discussion around set questions	<p>Breakout groups to discuss post-closure phase of underground repository</p> <p><i>Coffee available 'on the run'</i></p>	All participants
11.40 - 12.20	40 min feedback and discussion	Feedback from breakout groups	Breakout group leaders and all participants
12.20 - 12.50	20 min presentation (video link) and discussion	Containerized elemental mercury – above ground storage considerations	Mr. Bill Hermes (Oak Ridge National Laboratory, US)
12.50 - 13.00	-	Final comments from the chair	Professor Jane Plant
13.00 - 14.00	-	<i>Lunch and departure</i>	-
14.00 - 16.00	-	<p>Sub-group for discussion of how available knowledge on mercury storage and disposal may be applied outside Europe and the US</p> <p>(participation needs to be pre-booked)</p>	Led by Dr. Bruce Howard