

**CO-ORDINATED RESEARCH PROJECT (CRP) ON
TECHNOLOGIES AND METHODS FOR LONG TERM STABILIZATION
AND ISOLATION OF URANIUM MILL TAILINGS**

**3rd Research Co-ordination Meeting
Dolni Rozinka, 29 September to 3 October 2003**

Tentative AGENDA

Monday, 29 September 2003

- 9:00 Welcome by host, *Mr. Trojacek*
9:10 Welcome, *Mr. Falck*, Scientific Secretary
9:20 Opening address, *NN*, DIAMO
9:30 Approval of agenda, technical and administrative matters, reporting structure,
Mr. Falck

Session I: Tailings remediation case studies

- 10:00 **A study case on the uranium tailings dam of Poços de Caldas uranium
mining and milling site**
Mr. Fernandes, Brazil
10:30 Coffee break
11:00 **Cameco Research and Development Projects for Tailings Disposal
Technology**
Mr. Landine, Canada

Session II: Capping of tailings

- 11:30 **Studies of bentonite and red soils as capping of the uranium mill tailing
impoundments**
Mr. Wen, China
12:00 **Development of Method of Covering Raising Dust Beaches of Radioactive
Wastes Storage Out of Operation**
Mr. Gagarin, Kazakhstan
12:30 Lunch
14:00 **Polymeric Coats for Contaminated Surfaces Localization**
Mr. Mikheykin, Russian Federation
14:30 **Improvement of Soil Properties Applied to Capping and Multi-Layer
Barriers**
Mr. Koszela, Poland

Session III: In situ conditioning of materials

- 15:00 **Remediation of Uranium Mill Tailings Using Natural and Organo-Clays**
Mr. Choi, Korea

- 15:30 **Development of Technologies for In-Situ Remediation of Contaminated Sites by Directed Formation of Naturally Occurring Slightly Soluble Minerals**
Mr. Ziegenbalg, Germany
- 16:00 Coffee break
- 16:30 **Room Temperature Ceramics, the Breakthrough Material for Long Term Stabilisation and Isolation of Low-Waste Uranium**
Mr. Piestrynzki, Poland
- 17:00 **Research and Development of Measures to be Taken for Long Term Stabilization of Uranium Liquid Wastes**
Mr. Maslyakov, Ukraine
- 17:30 Adjourn

Tuesday, 30 September 2003

Session IV: Management of tailings in remediation situations

- 9:00 **Predicting the Long -Term Stabilisation of Uranium Mill Tailings**
Mr. Trojacek, Czech Republic
- 9:30 **Harmonization of Radiological Impact Assessment Methodologies of Uranium Mill Tailings Repositories**
Ms. Servant, France
- 10:00 **Holistic Approach to Remediating Uranium Mill Tailings and Contaminated Groundwater**
Mr. Metzler, USA
- 10:30 Coffee break

Session V: Preparation towards the final report

- 11:00 **The draft final report**
Introduction by *Mr. Falck*
- 11:30 General discussion on draft final report
- 12:30 Lunch
- 14:00 Discussion cont'd
- 15:00 Coffee break
- 15:30 Group work on draft final report
- 17:00 Adjourn

Wednesday, 1 October 2003

Special Topic: Presentation of Some DIAMO Remediation Projects

- 9:00 **Specification of preliminary target parameters for remediation of aquifers after ISL at the North Bohemian uranium deposit area using a numerical modelling approach**
Mr. Muzak

Evaluation of Current Environmental Impact of Straz Tailings Pond

Mr. Muzak,, Mr. Smetana

An overview of some finished remediation projects at czech-moravian highlands carried out by DIAMO

Mr. Jez jun.

Prediction of Chemical Composition of Drainage Waters from Some U Mill Tailings Ponds

Mr. Strof

- 10:30 Coffee break
- 11:00 Group work on draft final report
- 12:30 Lunch
- 14:00 Group work on draft final report
- 15:30 Coffee break
- 16:00 Group work on draft final report
- 17:30 adjourn

Thursday, 2 October 2003

Site visit

- 9:00 Area of GEAM tailings Ponds (K I, K II) including environmental monitoring system
- 12:00 Lunch
- 13:00 Some remediation projects at Rozna – Olsi U-mining area
Potential temporary storage of spent fuel from Czech NPSs at Skalka
- 17:30 return

Friday, 3 October 2003

- 9:00 General discussion – future activities
- 10:30 Coffee break
- 11:00 Any other business
- 12:00 Summary and closing remarks, *Mr. Falck*
- 12:30 Closing remarks, *Mr. Trojacek*
- 13:00 Close meeting