



INTERNATIONAL ATOMIC ENERGY AGENCY

MEETING REPORT

MINING AND MINERAL PROCESSING FACILITIES TEST CASE WORKING GROUP

*“Use of safety Assessment in Planning and Implementation of decommissioning
of Facilities using radioactive material” (FaSa Project)*

Second Joint FaSa Working Group Meeting

7 December – 11 December 2009, BMU, Bonn

Alistair Cadden (UK)
Chairman, Mining and Mineral Processing Facilities Test Case Working Group

(December 2009)

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1. Meeting of the Decommissioning Planning Working Group

This meeting of the Mining and Mineral Processing Facilities Test Case Working Group (MMPFTC WG) was the meeting of all participants in this working group. It was held on Thursday 10th December 2009 as part of the second joint FaSa meeting.

The purpose of this MMPFTC WG meeting was to:

- Define the scope of this working group
- Confirm Buhovo Test Case
- Outline Table of Contents for the Report
- Define requirements for ongoing involvement (time/financial commitment)
- Commit to ongoing participation in the WG
- Set goals for 2010 (WG meetings, test case site visit, deliverables)
- Get examples from member states with decommissioned uranium mines/mineral processing facilities

The meeting was chaired by A Cadden (UK).

A list of the participants in the MMPFTC WG is presented in Appendix A.

2. Work Performed

The working group achieved the work set out below.

2.1. Definition of the scope of the Test Case

The scope of the test case was confirmed to include mines (open pit and underground), waste rock dumps, tailings dams and mineral processing plants.

2.2. Confirm Buhovo in Bulgaria as the Test Case

The working group did not confirm Buhovo as the test case, as it was felt that the current state of the safety assessment for this site was not adequate to meet the needs of the test case to demonstrate the FaSa methodology. The WG developed a list of characteristics that the test case to be selected would need to demonstrate:

- Completed safety assessment (or elements thereof) and a decommissioning plan available
- Information must be publicly available, or at least agreement that information can be made public
- Process has a number of the steps of the DeSa methodology

- Preferably the test case will be supported by an operator
- Reasonable chance of achieving outcomes expected from FaSa project

The WG drew up a shortlist of potential candidates for the test case, and requested IAEA to approach the companies concerned to seek their participation in the project. J Rowat agreed to do this by the end of January 2010. The shortlist of companies is:

- ENRESA – FUA, Spain
- ENUSA – Saelices el Chico, Spain
- WISMUT – WISMUT, Germany
- CAMECO sites in Canada
- AREVA – Cluff Lake, Canada
- COGEMA sites in Canada
- ELACITE MED – Buhovo, Bulgaria
- BHPB – Elliot Lake, Denison Mines, Canada

2.3. Set Goals for 2010

The WG set the following goals for 2010

- Confirm selection of test case 31 Jan 2010
- Collect, translate (as required) and review documentation
- Monthly <1 hr conference call
- 2 WG meetings before end Nov 2010 (dates to be determined; 1st after test case selected; 2nd end Sept?)
- 1st draft available Nov 2010 (planning, conduct and termination only)
- Present paper at Uranium 2010 conference (August in Saskatoon, Canada) to generate awareness of FaSa within the mining industry.
- Present paper at Mine Closure 2010 conference (November in Santiago, Chile) to generate awareness of FaSa within the mining industry.

2.4 Agree a Draft Table of Contents for the Test Case Report

The following table of contents was considered reasonable for the mining and mineral processing test case report;

- Introduction
- Desk Study
 - Existing IAEA documents
 - Member state experiences

- Selected Project
- Planning Phase (subheadings to match reports of other WGs)
- Conduct phase (sub-headings to match reports from other WGs)
- Termination phase
- Conclusions (Lessons learned)
- Recommendations
- Bibliography

3. Actions arising

The work plan to achieve the goals set for 2010 is shown in Appendix D.

In particular the WG would like to collate member states experiences of the decommissioning of mining and mineral processing facilities, and hereby request any available case histories for inclusion in the test case report.

4. Timetable for next meetings

The next meeting of the WG will be after selection of the test case – date and location to be confirmed.

5. Distribution

Decommissioning Planning Working Group participants

J Kaulard, Chairman, FaSa Project

A Bassanelli, NPP Test Case Working Group Chair

K Lauridsen, Research Reactor Test Case Working Group Chair

P Manson, Decommissioning Planning Working Group Chair

A Halle, Fuel Fabrication Test Case Working Group Chair

P Francois, Decommissioning Conduct Working Group Chair

A Hart, Decommissioning Termination Working Group Chair

M Pennington, Safety Assessments Implementation Working Group Chair

N Orlando, Review Working Group Chair

J Rowat, IAEA

V Ljubenov, Scientific Secretary, IAEA

LIST OF PARTICIPANTS

K Ivanova	Bulgaria
R Barker	Canada
J Rowat	IAEA
K Mampe	Republic of South Africa
S Dhlomo	Republic of South Africa
A Mileshkina	Russian Federation
J-L Revilla	Spain
O Lareynie	Spain
A Cadden (Chair)	UK
D Orlando	USA