



International Atomic Energy Agency

***Meeting of the International Project
“Use of Safety Assessment Results in Planning and Implementation of
Decommissioning of Facilities Using Radioactive Material (FaSa Project)”***

Working Group on Mining Test Case

***18-19 November 2008
Meeting Room tbc, IAEA, Vienna, Austria***

TENTATIVE AGENDA

Wednesday, 19 November 2008

- 13:30 1. Opening (R Barsi, Canada)
2. Agenda
3. Test case rationale
4. WG Scope
15.30 *Coffee break*
15:45 5. Test case Objectives
6. Test case Activities
7. Test case Outcomes
17.00 *Closure*

Thursday, 20 November 2008

- 9.00. 8. Interfaces with Other WG
9. Discussion of proposed chapters (Attached)
10. Work plan

12.30 *Lunch Break*
13.30 11. Discussion of proposed chapters
15:30 *Tea Break*
15:45 12. Develop Work plan
17.00 *Closure*

Content of Test Case Report:

INTRODUCTION

- 1.1. BACKGROUND
- 1.2. SCOPE
- 1.3. OBJECTIVES
- 1.4. STRUCTURE

2. SAFETY ASSESSMENT FRAMEWORK

- 2.1. CONTEXT OF SAFETY ASSESSMENT
- 2.2. SCOPE OF THE ASSESSMENT
- 2.3. OBJECTIVES OF THE ASSESSMENT
- 2.4. TIMEFRAMES
- 2.5. END POINTS OF THE DECOMMISSIONING PHASES
- 2.6. REQUIREMENTS AND CRITERIA
- 2.7. ASSESSMENT OUTPUTS
- 2.8. SAFETY ASSESSMENT APPROACH
- 2.9. EXISTING SAFETY ASSESSMENT
- 2.10. SAFETY MANAGEMENT MEASURES

3. DESCRIPTION OF THE FACILITY AND DECOMMISSIONING ACTIVITIES

- 3.1. SITE DESCRIPTION AND LOCAL INFRASTRUCTURE
- 3.2. SAFETY RELATED STRUCTURES, SYSTEMS AND COMPONENTS
- 3.3. RADIOACTIVE INVENTORY
- 3.4. OPERATIONAL HISTORY
- 3.5. DECOMMISSIONING ACTIVITIES AND TECHNIQUES
- 3.6. WASTE MANAGEMENT
- 3.7. SUPPORTING FACILITIES
- 3.8. ENDSTATE

4. HAZARD ANALYSIS: IDENTIFICATION AND SCREENING

- 4.1. HAZARD IDENTIFICATION
- 4.2. APPROACHES TO HAZARD IDENTIFICATION
- 4.3. PRELIMINARY HAZARD ASSESSMENT AND SCREENING

5. HAZARD ANALYSIS: EVALUATION

- 5.1. ANALYSIS OF NORMAL ACTIVITIES
- 5.2. ANALYSIS OF ACCIDENT SCENARIOS
- 5.3. MODELLING AND CALCULATION OF CONSEQUENCES

6. ENGINEERING ANALYSIS

- 6.1 ENGINEERING ASSESSMENT METHODOLOGY
- 6.2 ENGINEERING MEASURES DERIVED FROM THE SAFETY ASSESSMENT
- 6.3 APPLICATION OF A CATEGORISATION SCHEME

7. EVALUATION OF RESULTS AND SAFETY MEASURES

- 7.1. COMPARISON OF ANALYSIS RESULTS WITH CRITERIA
- 7.2. TYPES AND TREATMENT OF ASSUMPTIONS AND UNCERTAINTIES

7.3. SAFETY MEASURES

8. GRADED APPROACH

8.1 INTRODUCTION

8.2 LEVEL OF DETAIL FOR SAFETY ASSESSMENTS AND DOCUMENTATION

8.3 THE GRADED APPROACH IN THE RADIOLOGICAL CHARACTERISATION AND DATA ACQUISITION OF THE FACILITY.

8.4 THE GRADED APPROACH IN CARRYING OUT THE SAFETY ASSESSMENT.

8.5 ALTERNATIVE APPROACHES FOR THE DEMONSTRATION OF SAFETY

9. CONFIDENCE BUILDING IN THE SAFETY ASSESSMENT

9.1. QUALITY MANAGEMENT SYSTEM

9.2. INDEPENDENT REVIEW AND APPROVAL PROCESS

10. USE OF THE SAFETY ASSESSMENT RESULTS

10.1. Decommissioning planning

10.2. Decommissioning conduct

10.3. Termination of decommissioning

11. SUMMARY AND LESSONS LEARNED

APPENDICES

REFERENCES

CONTRIBUTORS TO DRAFTING AND REVIEW