

R²D²P Workshop on Transition Phase

Sydney, Australia
12-16 November 2007

MONDAY - 12 NOVEMBER 2007

- 0845 - 0915 Welcoming Addresses (Dr I Smith and E. Warnecke)**
The ANSTO CEO and the IAEA Representative will welcome the workshop participants, including an introduction of the participants.
- 0915 - 1000 IAEA Overview: Transition and Planning for Research Reactor Decommissioning (E. Warnecke)**
Present objectives, goals and IAEA recommendations on transition of research reactors from operation to decommissioning.
- 1000 - 1030 Break**
- 1030 - 1115 Overview of HIFAR Decommissioning (C. Lyras/J. Rowling)**
Present the overall decommissioning plan with emphasis on the transition phase, present status / knowledge of the HIFAR, the goals / end points to decommissioning, and the sequence of main activities leading to the decommissioning. (Including 15 minutes for questions)
- 1115 - 1200 Nuclear safety aspects associated with the transition period (H. Abou Yehia)**
- 1200 - 1300 Lunch**
- 1300 - 1500 Tour of HIFAR and associated Buildings and Equipment (P. Sirkka)**
Brief outline of the present situation and then the projects necessary for the "transition phase" and view work completed so far.
Tour of HIFAR and sites related to decommissioning within the HIFAR compound with special emphasis on **demonstrating** the transition phase.
- 1500 - 1530 Break**
- 1530 - 1700 Overall Discussion of the Presentations and the visit to HIFAR (led by IAEA)**
- 1930 - Function Dinner**
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TUESDAY - 13 NOVEMBER 2007

- 0830 - 0915 Overview of ANSTO's policy for both HIFAR & MOATA (J. Rowling)**
Analyse the Australian nuclear regulatory system; compare to international recommendations; licensing of the "transition period" and the licensing of decommissioning plan, major issues identified, requirements of ARPANSA and progress so far within the existing national regulatory framework for transitioning. (Including time for discussion)
- 0915 - 1000 National Presentations, Including Discussions (Algeria, Argentina)**
Presentations (one per country) by the participants on their research reactor decommissioning activities, in particular report on the actual progress, new developments in your countries since the last 2006 workshop, plus any important national news. National presentations should be limited to 15 minutes plus 5 minutes for discussion.
- 1000 - 1030 Break**
- 1030 - 1200 National Presentations, Including Discussions (continued) (Brazil, China, Egypt, Indonesia)**
- 1200 - 1300 Lunch**
- 1300 - 1430 National Presentations, Including Discussions (continued) (Libya, Malaysia, Algeria, Philippines)**
- 1430 - 1500 Break**
- 1500 - 1600 National Presentations, Including Discussions (continued) (Romania, Serbia, Vietnam)**
- 1600 - 1700 Conclusions and Recommendations (E. Warnecke)**
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WEDNESDAY - 14 NOVEMBER 2007

- 0830 - 0900 MOATA decommissioning Plan and Progress (S. Kim/ G. Malone)**
- MOATA Transition history from shutdown May 31, 1995 to now.
 - Why ANSTO is about to start the act of decommissioning?
 - Present the goals, equipment and techniques that will be used in the MOATA Reactor decommissioning work. How MOATA's decommissioning will be used as a precursor to the HIFAR decommissioning plan.
- 0900 - 1000 Visit to MOATA (G. Malone)**
ANSTO staff will show the reactor block and then present the projects proposed for decommissioning. (Including 15 minutes for questions)
- 1000 - 1030 Break**
- 1030 - 1115 HIFAR Transition progress and future plan (A Lencus)**
Progress since final shutdown and the approach taken for the proposed work during this period, plus the future activities for reaching the transition end state (Including 15 minutes for questions)
- 1115 - 1200 Safety Analysis Report (S. Bastin)**
Present the approach taken to the preparation of the Safety Analysis Report and the compliance in the transition process of HIFAR.
- 1200 - 1300 Lunch**
- 1300 - 1400 Waste Management Systems to be Used for MOATA and HIFAR (ANSTO Participant)**
Present the goals, equipment and techniques for managing the waste generated in the transition phase, including decontamination of materials and clearances. (Including 15 minutes for questions)
- 1400 - 1530 Tour of Waste Management Area for ANSTO (ANSTO Participant)**
Tour of waste management operations and related this to decontamination and storage requirements for transitioning of HIFAR and decommissioning of MOATA.
- 1530 - 1600 Break**
- 1600 - 1700 Overall Discussion of Transition Requirements (led by IAEA)**
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THURSDAY - 15 NOVEMBER 2007

- 0830 - 0915 Cost Estimation, Funding for both MOATA & HIFAR (J. Rowling/P. Sirkka)**
Present the strategy and approaches taken, cost calculations and the funding arrangements for the overall transitioning and decommissioning projects with special emphasis on the transition phase of the HIFAR. (Includes 15 minutes for discussion)
- 0915 - 1000 HIFAR transition projects (R. Arnold)**
Present the goals, approvals and project equipment required for the transition of HIFAR. This presentation explains the projects that are required to achieve safe enclosure with minimum maintenance during the transition phase prior to decommissioning. When and why "Characterisation" will take place during the "transition phase". (Includes 15 minutes for discussion)
- 1000 - 1030 Break**
- 1030 - 1200 Group discussion on the approach to "Transitioning"**
The requirements, arguments and boundaries associated with this "Transitioning period". Examining the conditions that limit progress and then what planning is necessary in the transition phase for final decommissioning.
- 1200 - 1300 Lunch**
- 1300 - 1400 Development of the HIFAR Plans (discussion led by IAEA & assisted by ANSTO staff)**
The workshop participants will discuss the HIFAR transition plans in working groups
- 1400 - 1430 Other requirements of the Transition Phase (J. Rowling)**
Staffing, project management, infrastructure, records and record management in the transition phase.
- 1430 - 1500 Break**
- 1500 - 1630 Discussions on other requirements of the Transition Phase (discussion led by IAEA & assisted by ANSTO staff)**
Staffing, project management, infrastructure, records and record management in their transition phase.
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FRIDAY - 16 NOVEMBER 2007

0830 - 1030 Introduction of and visit to the OPAL reactor

Overview of the OPAL reactor, in particular its design and operation for easier decommissioning, Visit to the facility.

1030 - 1100 Break

1100 - 1230 Workshop Conclusion (E. Warnecke)

1230 - 1330 Lunch
