



AGENDA

Workshop on Preparation for Conducting Decommissioning Actions

07-11 May 2012

ANSTO, Lucas Heights, Australia

Monday 07 May

Time	TOPIC	Speakers
9:00	1. Welcome and Opening <ul style="list-style-type: none"> • ANSTO + IAEA welcome • Background to R2D2P • Introduction of participants 	ANSTO Steve McIntosh IAEA Ernst Warnecke
10:00	2. Administrative Issues <i>Includes admin information and arrangements.</i>	ANSTO
10:15 – 10:30	BREAK	
10:30	3. Purpose and Scope of Workshop <ul style="list-style-type: none"> • Main objectives • Scope • Expectations • Participant expectations 	IAEA Ernst Warnecke Participants
11:30	4. Organisation of the Poster Session, Self-Assessment, Review Task and Reporting	IAEA Ernst Warnecke
12:30 – 13:15	LUNCH – ANSTO Cafeteria	
13:15	5. Nuclear in Australia National Nuclear Facilities and Infrastructure- ANSTO, Mining, future Waste Repository; Decommissioning (Moata, Hifar, and Cyclotron)	ANSTO Therese Donlevy
13:45	6. Australia's Regulatory Framework for Decommissioning <ul style="list-style-type: none"> • The regulatory framework in Australia - ARPANSA's legal status, role, jurisdiction, structure, functions and processes • ARPANSA's experience with decommissioning and how it manages D&D projects 	ARPANSA John Ward
14:30-14:45	BREAK	
14:45	7. HIFAR Records Management and Quality Management System <ul style="list-style-type: none"> • Knowledge Management <ul style="list-style-type: none"> ○ Records management –Hifar and Moata; accuracy of records; value of good records before & after (e.g. audit of waste records) ref. also Romanian workshop ○ Staffing –requirements; knowledge retention • Quality System rationalization • Elements that need to be in place (See also previous workshops) 	ANSTO Richard Healy
15:30 – 16:30	8. Decommissioning and Dismantling of the Moata Reactor <ul style="list-style-type: none"> • History of Moata; summary of the project • View DVD (copy for each participant) • Challenges and what worked for us <ul style="list-style-type: none"> •Engagement of demolition expert. •Early engagement with regulator. • Good containment •3D model of Moata •Contractor for demolition of the structure and restoration of site. •Site function plan •Radiological dose estimation 	ANSTO Alec Kimber / Geoff Malone

Tuesday 08 May

Time	TOPIC	Speakers
8:45	9. Decommissioning of HIFAR <ul style="list-style-type: none"> • Brief history and overview • The shutdown process (e.g., SNF and coolant removal, etc.) leading to safe enclosure (see also R²D²P workshop on “Transition”) • Decrease of security requirements at the facility • The current license conditions 	ANSTO Daniel Pond
9:30	10. Safety and Licensing for Decommissioning <ul style="list-style-type: none"> • Engagement and dealings with the regulator (Ansto) • Organisational approach to licensing and regulation • How the organisation responds to regulatory issues 	ANSTO Simon Bastin / Alamgir Kabir
10:15 -10:30	BREAK	
10:30	11. HIFAR - Removal of Obsolete and Inactive Systems Secondary and primary cooling systems, He-blanket gas system, reactor protection system, and the ESF's etc. <ul style="list-style-type: none"> • Reasons for selection; • Planning and cost estimates; • Materials management; • Regulatory controls 	ANSTO Hugo E. Rivera
11:15	12. HIFAR - Refurbishment of Systems for Safe Enclosure EPS, HVAC, Lighting, Fire protection, Radiation monitoring, SCADA, Security and other considerations) <ul style="list-style-type: none"> • Scope, motivation and procedures; • Selection of new equipment; • Procurement and costs 	ANSTO John Wernej
12:00 – 12:45	LUNCH - ANSTO Cafeteria	
12:45	13. SITE VISIT #1 <ul style="list-style-type: none"> • Issue of Security passes • HIFAR, B42, and local area to view HIFAR activities and status • OPAL / Bragg (new reactor and neutron guide hall – general interest) 	Hifar: Pertti Sirkka Opal/Bragg: Shane Kennedy
15:00 – 15:15	BREAK	
15:15	14. D&D Strategies for Dismantling The 3 D&D options: <ul style="list-style-type: none"> • In-house using own expertise. • Entirely outsourced to specialist nuclear contractor • Mixed arrangement (in-house + contractor) • Benefits and disadvantages of each • Selecting the right option 	ANSTO Algis Lencus / Geoff Malone
16:00 -17:00	15. Poster Session <i>During this session participants should check the posters in accordance with the assignments and identify open issues and begin to decide on the reporting. Group discussions.</i>	Participants

Wednesday 09 May

Time	TOPIC	Speakers
8:45	16. D&D Strategies (cont'd) <ul style="list-style-type: none"> • The Moata project • contractor dismantling • ANSTO - support services and infrastructure. • specification, contractor selection, implementation • Moata – time, cost, quality aspects • What strategy for HIFAR? – resources required 	Geoff Malone
9:30	17. Specialist Advice on Dismantling and Contractor Issues <ul style="list-style-type: none"> • value added by specialist consultant • practical issues on dismantling • equipment costs, space and size limitations, advantages and disadvantages of technologies • planning of the dismantling and movement of materials from the site • Industry information 	Consultant Greg Berry
10:30 -10:45	BREAK	
10:45	18. HIFAR Dismantling Methodologies <ul style="list-style-type: none"> • Experience and planning by other orgs with similar type reactors • Possible methodologies for HIFAR • What are the detail issues that will drive the final selection of methodology? 	ANSTO Angus Lencus
11:30	19. Engaging a Contractor <ul style="list-style-type: none"> • Working on the nuclear site • Evaluating a contractor for suitability • Training the contractor • Site management of contractor 	ANSTO Gary Simms
12:15 – 13:00	LUNCH (ANSTO Cafeteria)	
13:00	20. Site Preparation for Dismantling <ul style="list-style-type: none"> • What is needed? Lots of details = Site function plan • Review of the Moata site and its preparation and operation • The HIFAR site and possible configurations 	ANSTO Gary Simms
13:45	21. Dismantling Project Costing <ul style="list-style-type: none"> • Detail planning and costing methods • Dependencies: extent of detailed knowledge • Moata costing • Costs estimates for the HIFAR D&D project 	ANSTO Algis Lencus
14:30 – 14:45	BREAK	
14:45	22. Management of Waste <ul style="list-style-type: none"> • Waste management at ANSTO • National repository (future) and acceptance criteria • Radwaste treatment, handling, packaging and tracking • Waste categorization and clearance processes • Disposition offsite • Moata wastes and their handling. 	ANSTO Duncan Kemp
15:30 – 17:00	23. SITE VISIT #2- ANSTO Waste Management Facilities B20b – Waste Conditioning and Packaging Facility B57 – Liquid waste, incl. drum dryers; Low Level Solid waste	Duncan Kemp / Enrique Jarquin

THURSDAY 10 May

Time	TOPIC	Speakers
8:45	24. MOATA: Contamination Control and Decontamination <ul style="list-style-type: none"> • Airborne, aqueous, transportable solids • Barriers to contamination movement • Monitoring • Personnel contamination control • Moata experience 	ANSTO Duncan Kemp
9:30	25. The Measurement of Beta and Gamma Emitting Radionuclides in MOATA Concrete <ul style="list-style-type: none"> • Characterisation of structural materials and establishment of ‘vector’ relationships for radionuclides (β/γ) • Processing of operational samples and practical issues to maintain throughput rates • Examples of results 	ANSTO Gordon McOrist
10:15 – 10:30	BREAK	
10:30	Preparation of reports on the poster issues	Participants
12:30 -13:15	LUNCH (ANSTO Cafeteria)	
13:15	26. Regulatory Processes and Oversight of MOATA and HIFAR <ul style="list-style-type: none"> • How the Australian regulator ARPANSA manages D&D projects • Discussion session on regulatory issues 	ARPANSA John Ward
14:15	27. MOATA Dismantling Project Safety: Planning, Review, Consultation, Observation and Implementation <ul style="list-style-type: none"> • Working conditions • Safe Work Method Statements • Toolbox talks • Daily site checks • Incident reporting • Moata experience. 	ANSTO John MacLeod
15:00 - 15:15	BREAK	
15:15	28. A Radiation Protection Perspective: Decommissioning of the MOATA Reactor <p>a) Preliminary Dismantling; b) Biological Shield Dismantling</p> <ul style="list-style-type: none"> • Radiological protection plan; risk assessment • The changing environment • How to ensure ALARA • Radiological monitoring and reporting • Moata experiences and data 	ANSTO Prashant Maharaj
16:15 – 17:00	Discussion - Participant interests	ALL

FRIDAY 11 May

Time	TOPIC	Speakers
8:45	29. SITE VISIT #3 •Spectroscopy Laboratory •H36 ISOCS demonstration of concrete block •Moata Radioactive Waste Storage •Vehicle Gate Monitor	ANSTO Gordon McOrist Roland Wong
10:00 – 10:15	BREAK	
10:15	30. Presentation of the Poster Review Results (Location AINSE Theatre)	Participants
13:00 – 13.45	LUNCH (ANSTO Cafeteria)	
13:45 – 14.30	31. Conclusions and Recommendations	ALL
14:30	Closure of Workshop	