

Findings and Recommendations of the CEG workshop on Nuclear Legacy Problems in the Far East of Russia

IAEA Contact Expert Group
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CEG Far East Russia Workshop

- Hosted by FSUE EP Zvezda. Funding support from Japan
- Attended by seven country representatives
- Major Regional Topics Covered:
 - Dismantlement of NPS, NPSV & NSS
 - Radioactive waste handling and storage
 - SNF management
 - RTG decommissioning & alternate power
 - Regional nuclear issues & international funding requirements



Far East Dismantlement Issues

- Nuclear Powered Submarines (NPS)
 - Regional Capacity issues
 - Backlog and re-locations
 - Accident Submarines
- Nuclear Powered Surface Vessels (NPSv)
 - Ural and Cruiser Lazarev
- Nuclear Service Vessels & Ships
 - Legacy of 14 units now and 21 by 2013

Regional Radioactive Waste Issues and Initiatives

- Issues
 - Significant legacy of old SNF and SRW wastes in Sysoeva and Krasheninnikova Bays
 - Sysoeva Bay LRW tank failures and generation from SNF storage failures
 - Three Compartment Unit storage
- Initiatives
 - SRW Building Sysoeva Bay
 - LRW processing facility Sysoeva Bay
 - Razboynik Bay 3CU facility



SNF Management

- Distances and Scale
- Rail line Bolshoi Kamen to Smolyaninovo
- Complex routing of SNF currently through Sysoeva and Krasheninnikova Bays
- FSUE EP Zvezda's "back-log"
- NERC (Kamchatka) no SNF facilities
- Over-tasking of PM 74

RTG Decommissioning & Alternate Power Provision

- Inventory of 230 RTGs
- Progress
 - Approx 148 remaining by end of 2007
 - 35 sites with alternate power provision
- USA Funding
- RTG Retrieval Infrastructure
 - DalRAO Storage Facility at Sysoeva Bay
 - 'Hot box' investment and implementation being pursued

Regional Nuclear Issues & International Funding Requirements

- Regional Nuclear issues
 - Master Plan
 - Regional monitoring and warning system
 - SRW storage
- International Funding
 - Russia's funding profile
 - USA and Japan (+ Australia) funding
 - German equipment provision
 - Canadian intentions & partnering opportunity

Conclusion

- Highly successful and rewarding workshop
- Significant information exchange
- Good exposure of regional issues and scale of the task ahead in remediation of the regional nuclear legacy
- Opportunity and requirement exposed for Global Partnership (GP) members to make a difference