Lessons Learned from the Spanish Decommissioning Program

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EXPERIENCE IN DECOMMISSIONING

Spain has a well established capacity and methodology for organizing and implementing decommissioning and remediation projects, through the experience accumulated over the years.





Planning

- > Decommissioning planning should start several years before plant shutdown
- > 3D Modelling and Radiological characterization are essential elements to optimize the plant decommissioning strategy

Preparatory Activities

- Preparatory activities are required to adapt the facility to the decommissioning needs and will contribute to the reduction of hazards.
- Preparatory activities should be performed in the transition phase in order to reduce the duration of the decommissioning works



Technologies

- The selection of dismantling/cutting technologies play a significant role in worker safety and reduction of waste
- A well-conceived segmentation and waste packaging plan can significantly reduce cost, dose and waste while also benefiting schedule

Waste Management

- Decommissioning and waste management operations are very much interdependent and an integrated approach is required to optimize the entire waste cycle from generation to disposal
- Large amounts of waste are generated by decommissioning and there is a need to optimise waste management. This way include clearance, very low level waste disposal and volume reduction and decontamination techniques

