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Support for the Mid- to Long-Term Roadmap for Decommissioning of TEPCO's Fukushima Daiichi NPP1

Progress in Recovery Efforts and Associated D&D at the Fukushima Daiichi NPP Site

Session #4, Monday 25 February 2013

Bob Kury, Vice President, CH2M HILL Nuclear Liabilities D&D Program Management

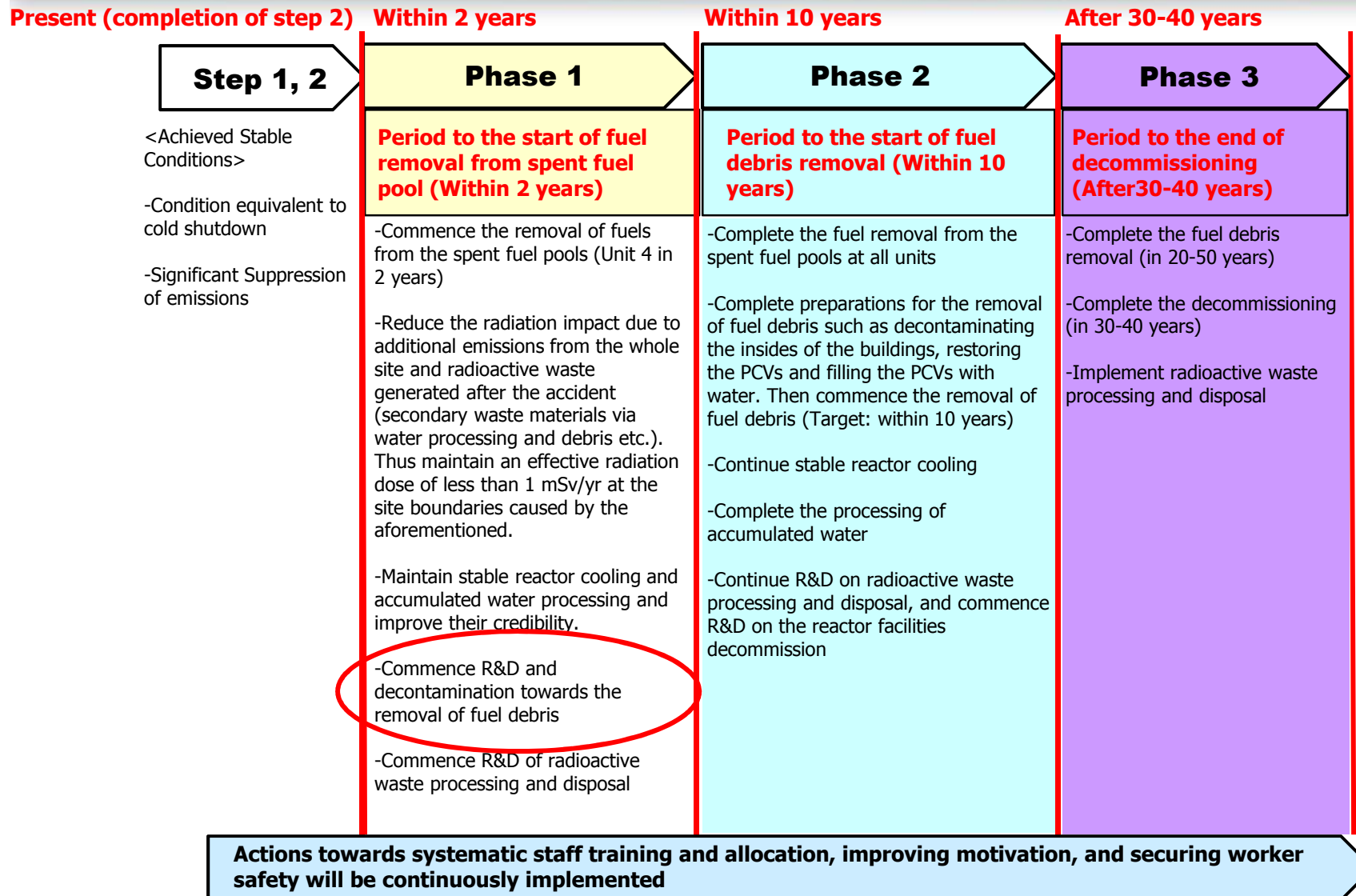
Katie Warner, Co-Author, CH2M HILL Nuclear Business Group

Mid- to Long-Term Roadmap for Decommissioning of TEPCO's Fukushima Daiichi

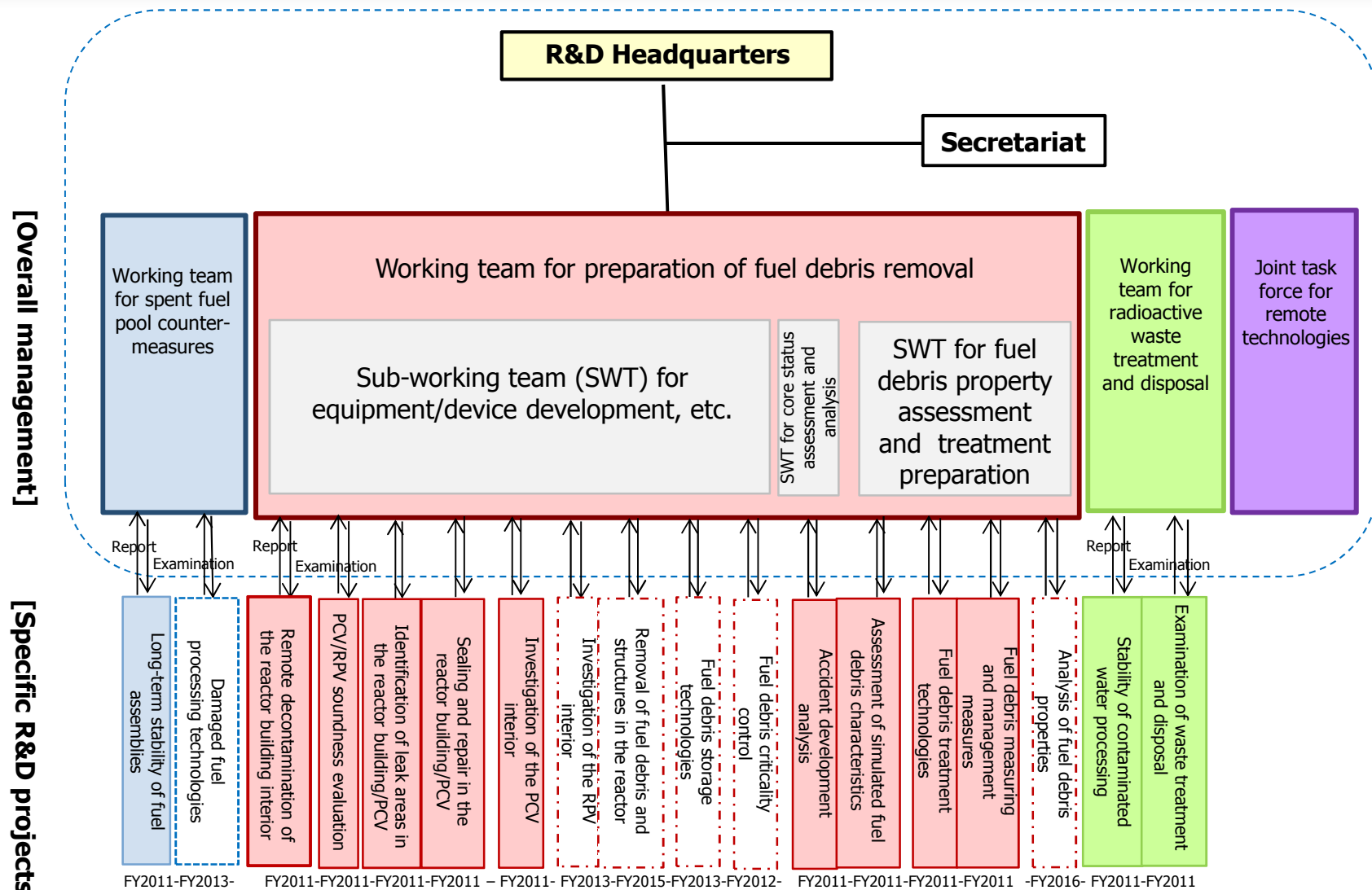
- Roadmap for decommissioning Fukushima Daiichi first developed December 2011
 - Safety of local citizens and workers top priority
 - Stakeholder involvement and transparent communications
 - Incorporation of latest R&D
- Engage international science and engineering communities
- Address technological needs
- Conduct decommissioning in phases



Phases of Mid-to-Long Term Roadmap



Fukushima Roadmap



Bid Process for Comprehensive Dose Reduction Program

- Government-led R&D projects are seeking expertise from the international community, ensuring openness and transparency
- ATOX Co. issued an RFP on **Integrated Dose Reduction Planning** in late 2012 (funded by the ANRE)
- Six out of thirteen companies were selected as advisors
 - Areva (France)
 - Babcock International Group (UK)
 - CH2M HILL (US)
 - Onet Technologies (France)
 - Perma-Fix Environmental Services (US)
 - Plejades (Germany)



Integrated Dose Reduction Plan

- Each firm was awarded one element of the dose reduction plan for independent development and proposal of best-in-class approach
- The task break-down for specific building high dose conditions
 - Debris and cesium contamination caused by explosions (units 1 & 3)
 - Cesium contamination caused by venting
 - Variable PCV damage
- Ultimately, dose reduction plan is in support of reactor building decontamination required for fuel debris removal