

Current progress status of the Fukushima Daiichi decommissioning

- Fuel removal from the spent fuel pool in the Unit 4 -

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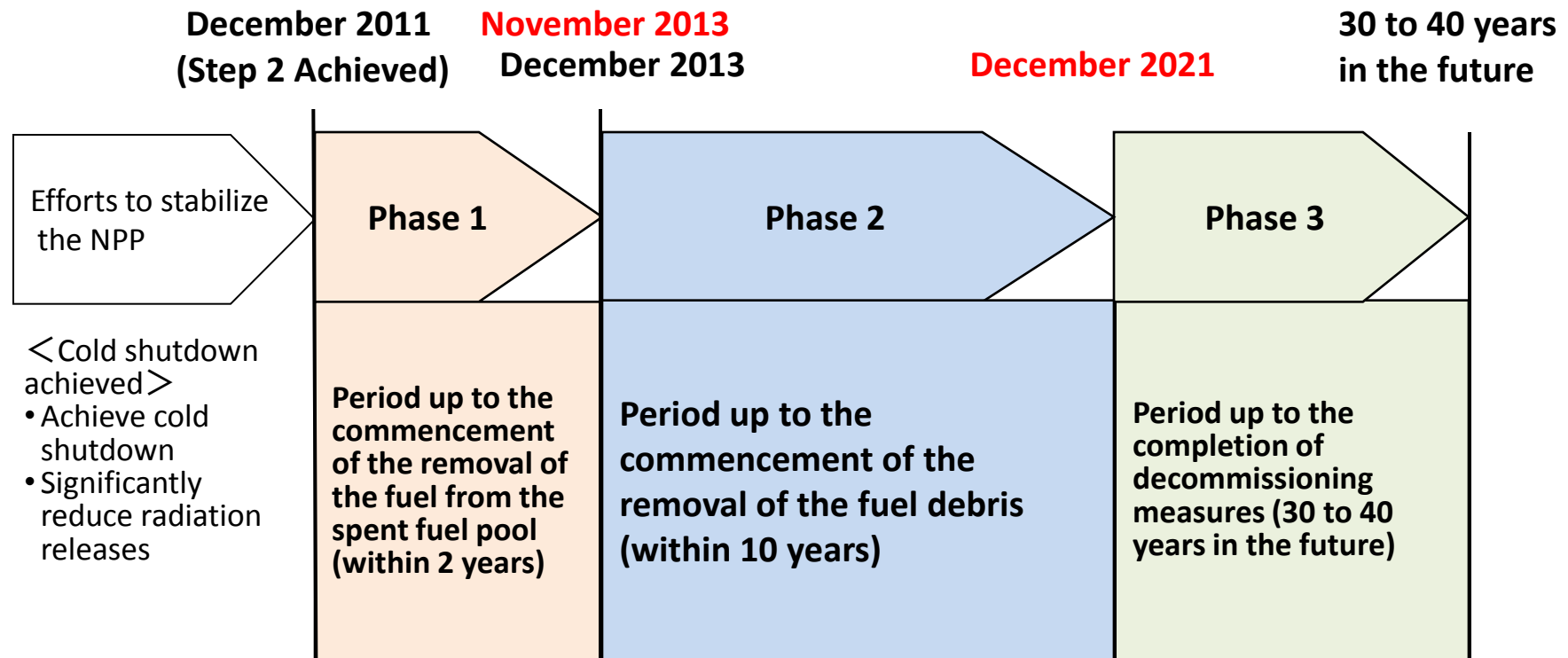
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Targets of Roadmap



Now: Under preparation of first fuel rods removal from Unit 4 SFP as target of Phase 1



Fuel Rods Removal from SFP

1. Rubbles in the upper level of the reactor building need to be removed
 2. Cover for the entire reactor building and Fuel Handling Machine are installed
 3. Fuel rods stored in common pool are moved to dry cask to make vacancy for the spent fuel to be removed from SFP
- Removal of spent fuel from Unit 4 is scheduled to start in the Middle of November 2013.

Inside of Unit 4

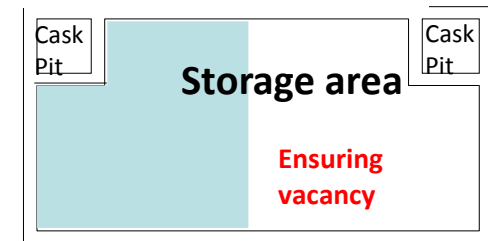


Inside of SFP in the Unit 4

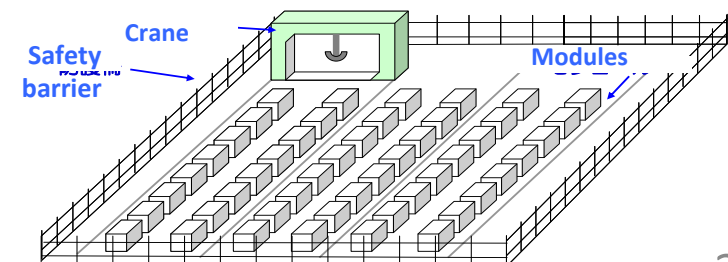


(Source: TEPCO's website)

Common Pool



Temporary Cask Custody Area

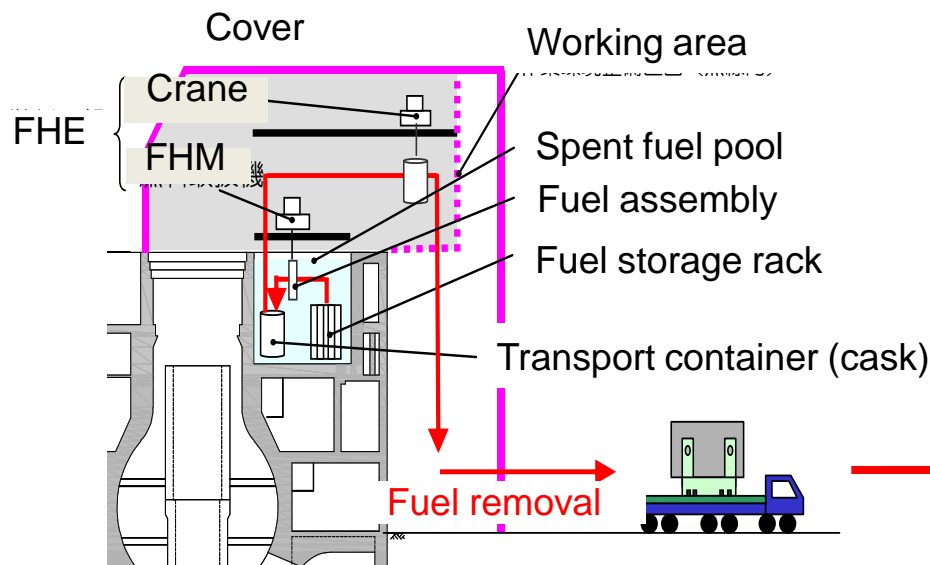


Summary of Fuel Rods Removal from Unit 4 SFP

- **1533 fuel assemblies*** in Unit 4 SFP to be transported to the common pool in the site. *1331 spent fuel assemblies and 202 unspent ones
- **Start the work in November and will accomplish it by the end of 2014.**

Workflow

1. Move fuel assemblies in the storage rack into the transport container (cask) by FHM
2. Lift the cask with the crane from the SFP
3. Close the lid of cask and conduct decontamination at the floor at working area
4. Lift the cask and put it down to the trailer on the ground with crane
5. Transport cask to the on-site common pool by the trailer



FHE: Fuel Handling Equipment
FHM: Fuel Handling Machine

On-site Common Pool

