

# Humboldt Bay Power Plant Decommissioning Site Update

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## HBPP makes safety a major focus:

- The Shermer L. Sibley Award:  
Top Safety Award a PG&E Facility can receive
- HBPP received the Sibley Award for three consecutive years: 2008, 2009 and 2010
- 450 days last Lost Time injury, 838 days last MVI
- Significant achievement during higher risk work activities
- Discuss HBPP Cold and Dark implementation

# Site Overview and History





# HBPP History

- 1955 – Fossil Units 1 & 2 Begin Operation**
- 1963 – Nuclear Unit 3 Operation Begins**
- 1976 – Nuclear Unit 3 Operation Suspended**
- 1985 – Unit 3 Entered “SAFSTOR”**
- 2008 – Unit 3 Fuel Storage Move to ISFSI Completed**
- 2010 – HBGS Operations Begins**
- 2011 – Fossil Units 1 & 2 Decommissioned**



**Humboldt Bay Power Plant opened in the 1950s to meet growing energy demands:**

- **Unit 1**  
(former fossil-fueled facility):  
1956 to 2010
- **Unit 2**  
(former fossil-fueled facility):  
1958 to 2010
- **Unit 3**  
(former nuclear generation facility): 1963 to 1976



*Humboldt Bay Power Plant Site*





# PG&E Property



# Decommissioning





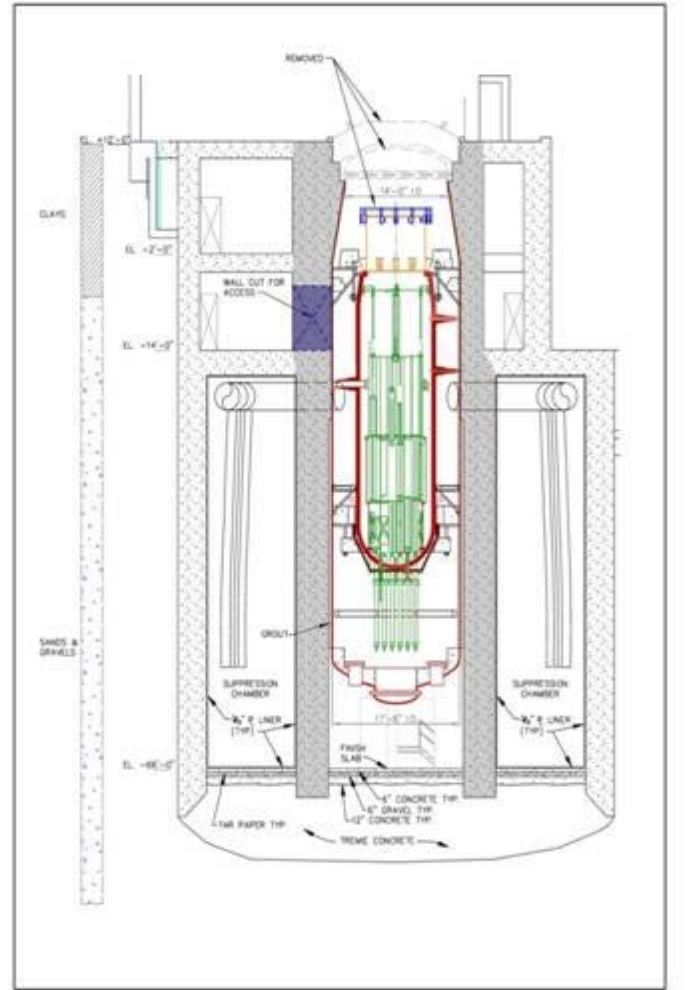
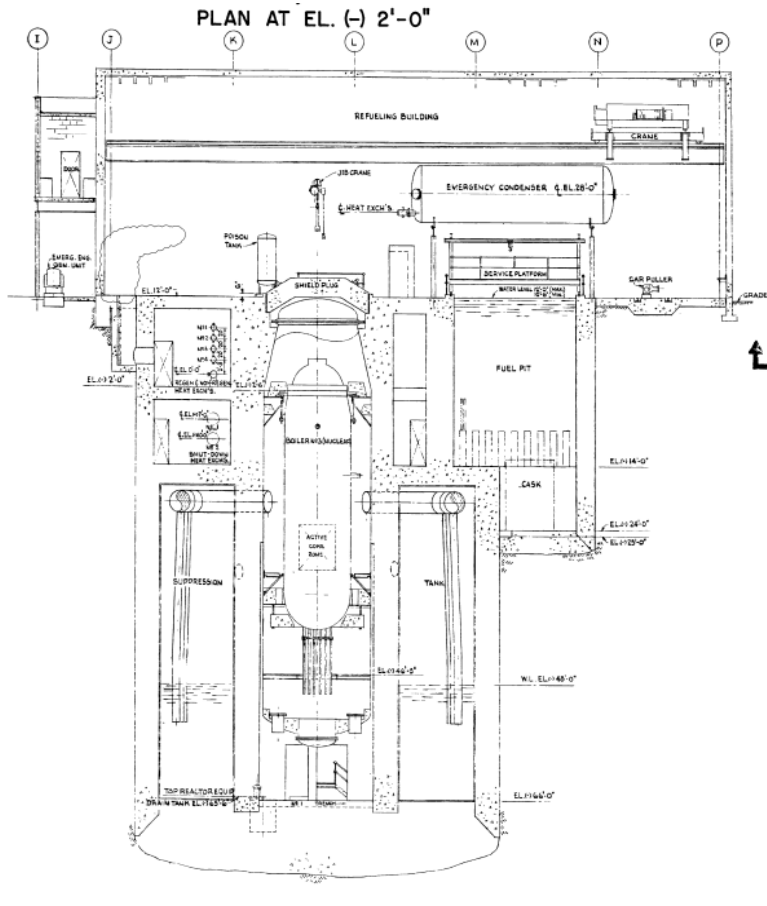
# Cask 6 Loaded - Pool Exit





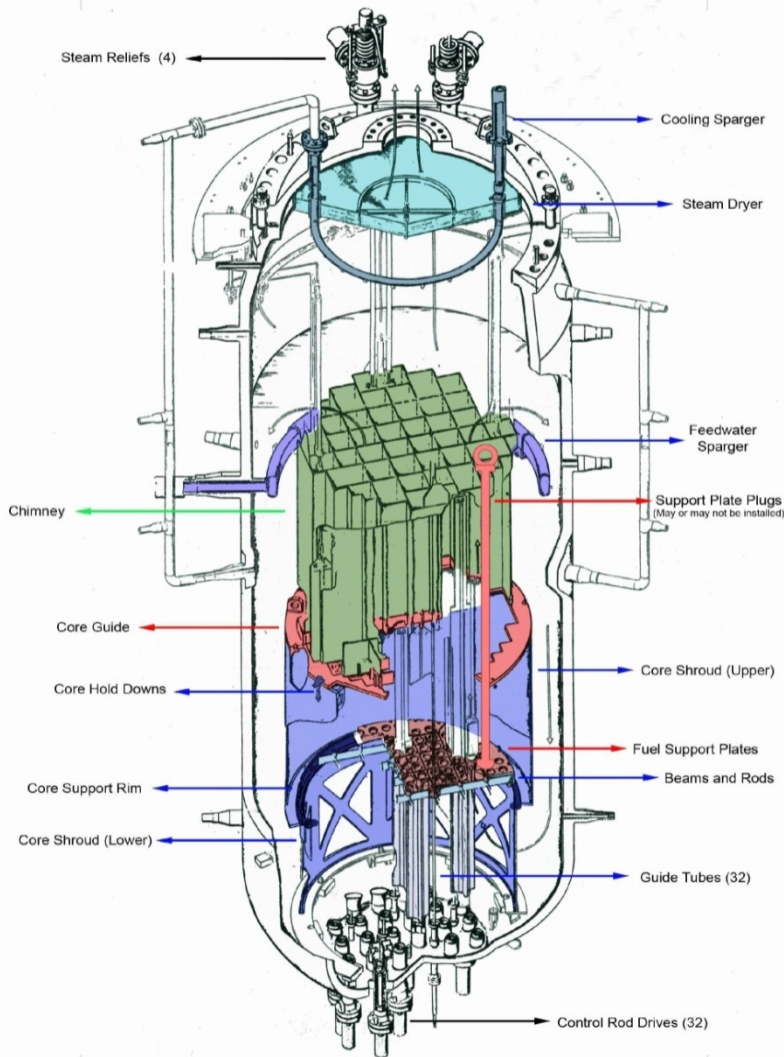
# Loaded Cask 6 in ISFSI 11/23/13





The reactor vessel is located inside the drywell, below grade within the Refueling Building

# Reactor Pressure Vessel Removal



## Project Data:

- 65 MW GE Boiling Water Reactor
- Reactor last run in 1976 with approximate 35 years of radioactive decay

## Strategies:

- Remove reactor internals prior to coating RPV internal surface to control alpha
- Complete RPV segmentation of windows selected

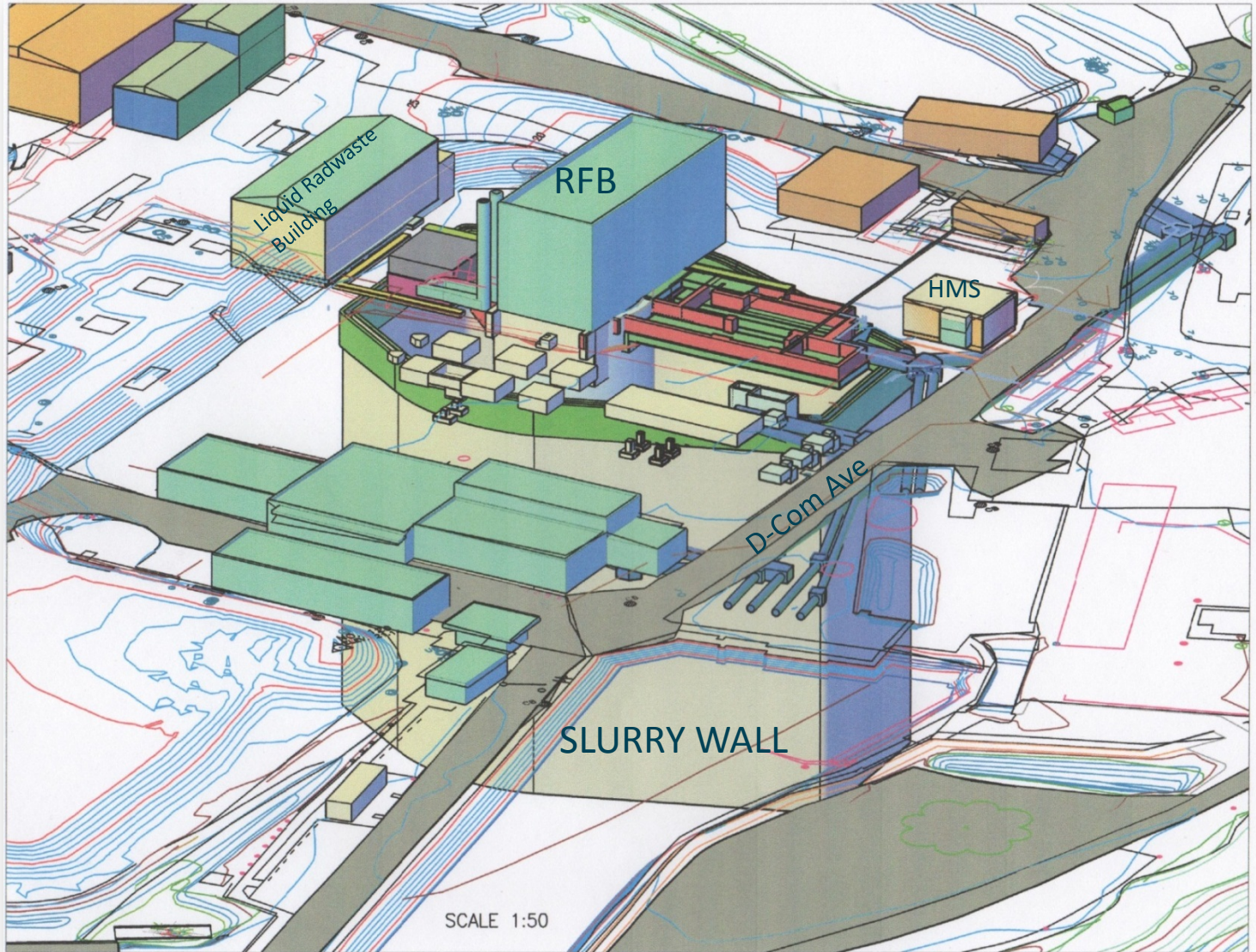


# Unit 3 Slurry Wall Work Area





# Slurry Wall Conceptual Design





# Next HBPP Steps/Schedule

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- **Ongoing:** Removal and cleanup of certain components and equipment
- **Now –2014:** Permitting, Cask 6 Loading, Continue B/C waste shipments to Texas, Civil Works Commencement
- **2014-2016:** Planned Slurry wall construction/Decommissioning
- **2016-2018:** Remaining site decommissioning/Caisson Removal
- **Mid-2018:** Physical site work completed
- **Mid-2019:** Final status survey documented

**THANK YOU**

