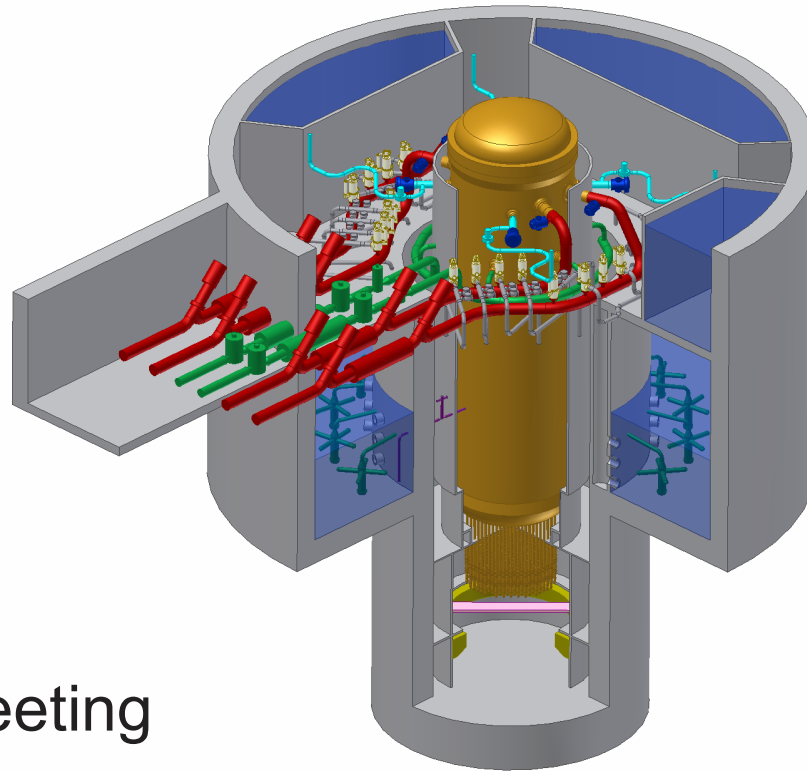


Technical Support Center



ESBWR Pre-application Meeting
October 12 and 13, 2004

Technical Support Center (TSC)

- The ESBWR design will include space and support systems for a TSC within one of the ESBWR on-site structures
 - > TSC design will conform to the guidance provided in applicable guidance documents
 - NUREG-0696 and 0654
 - Reg Guide 1.101
 - > Required space will be provided in a building that is not safety-related
 - Conveniently located

Technical Support Center (TSC) (cont)

- The environment of the TSC will be maintained in accordance with excepted values
 - > HVAC system will include provisions for HEPA and charcoal filtration as determined to be necessary
 - > The TSC HVAC will be classified as non-safety related
 - > TSC will not be covered by the emergency breathing air system covering the MCR
- Normal electrical power is provided by off-site AC
 - > An alternate power source will be provided by the non-safety on site AC power supplies
 - > Monitoring and communication equipment will be provided with backup AC power via the non-safety batteries and inverters for a period of 2 hours

Technical Support Center (TSC)

- In the event of an accident with no AC power available for an extended period
 - > TSC functions will be accomplished via an alternate method
 - Essential direct support personnel will be transferred to the MCR
 - Indirect and non-essential personnel will be re-located to alternate site

Requested NRC Actions

- Confirm that the intended approach for the TSC is consistent with Staff expectations
 - > Approach is similar to that taken for other passive plants