

Case Study

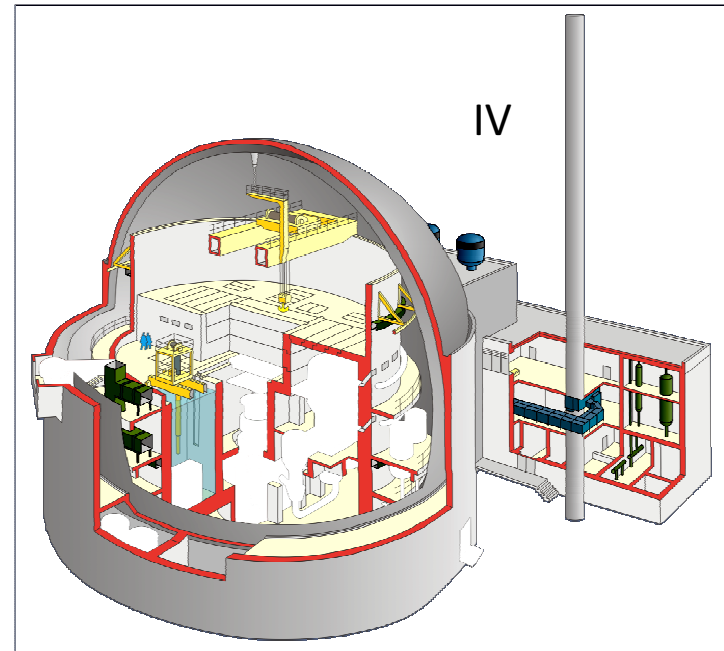
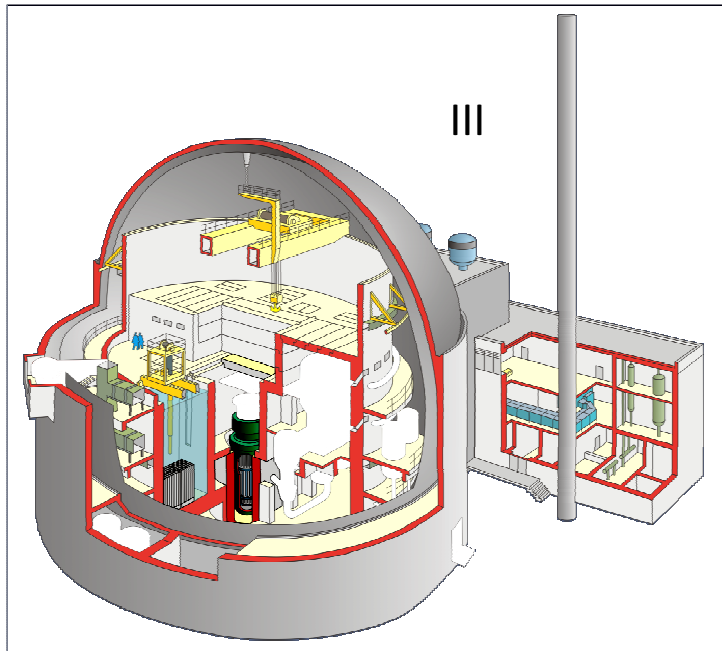
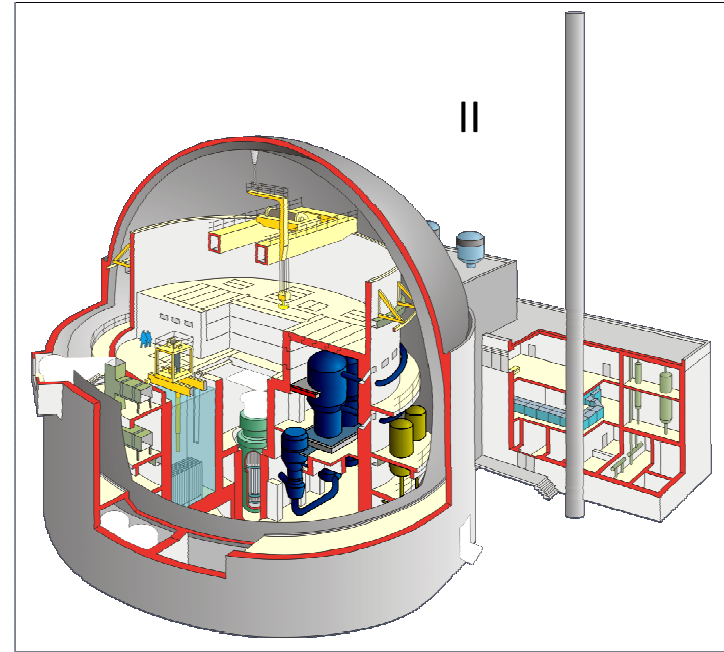
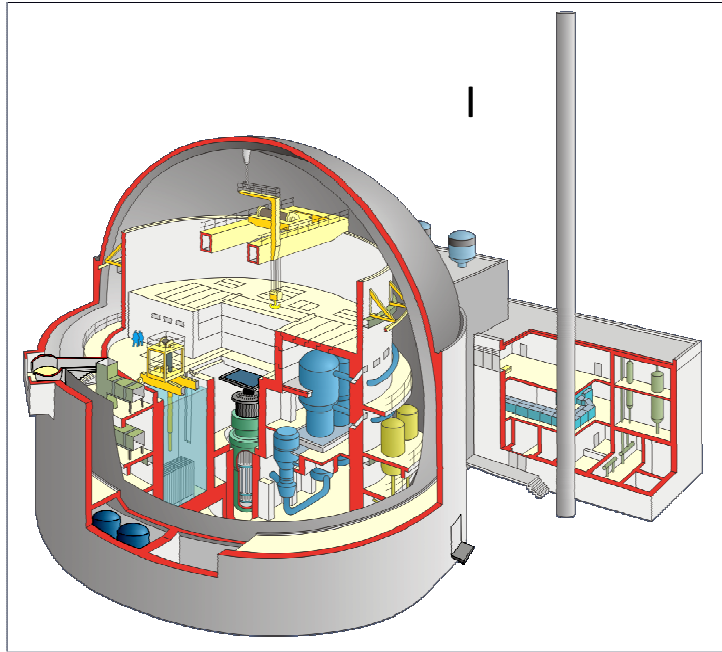
Procedure for Site Release

e.g. PWR NPP

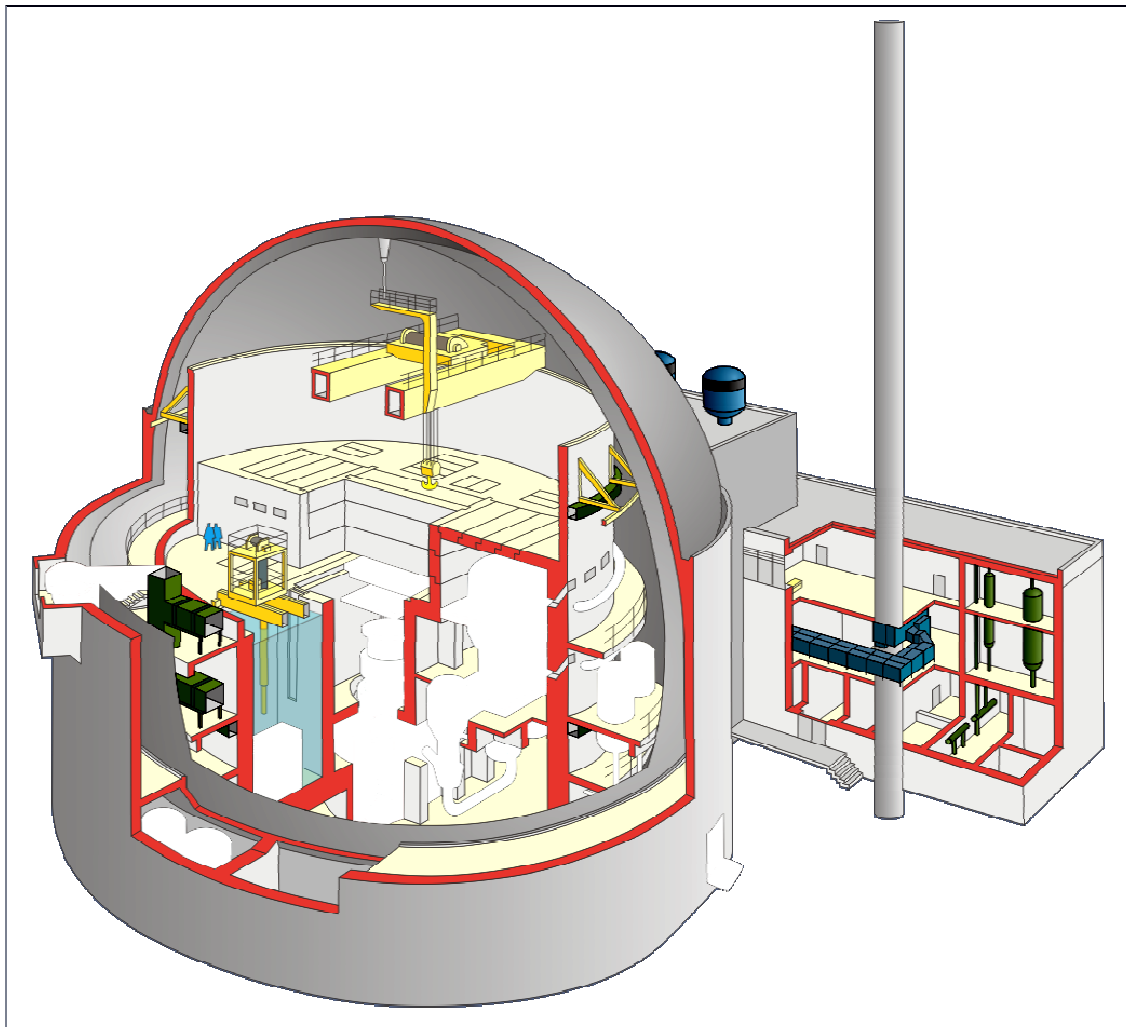
Case Study

Dismantling of a PWR NPP

- The dismantling of a PWR NPP is shown here in 4 phases
- In these phases the most activated and contaminated materials were dismantled and discharged
- The rest of the buildings and the site is left for the free release and demolition



Case Study Release Procedure for a PWR NPP

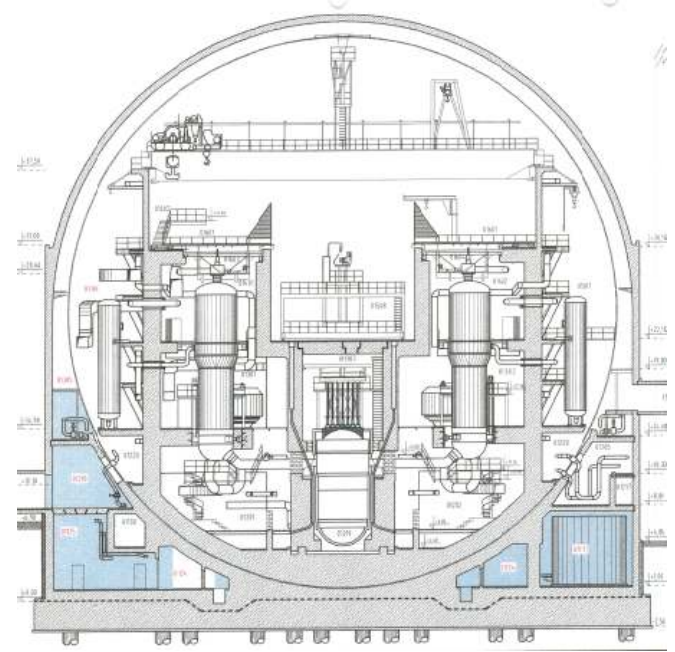
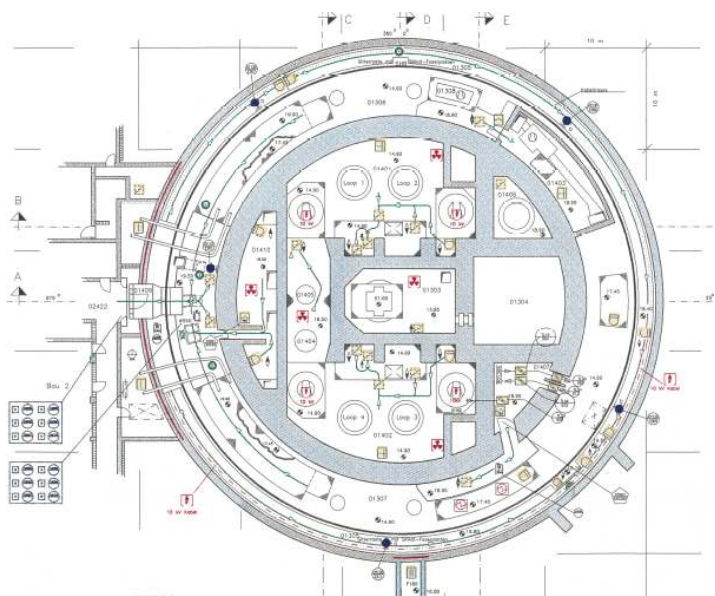
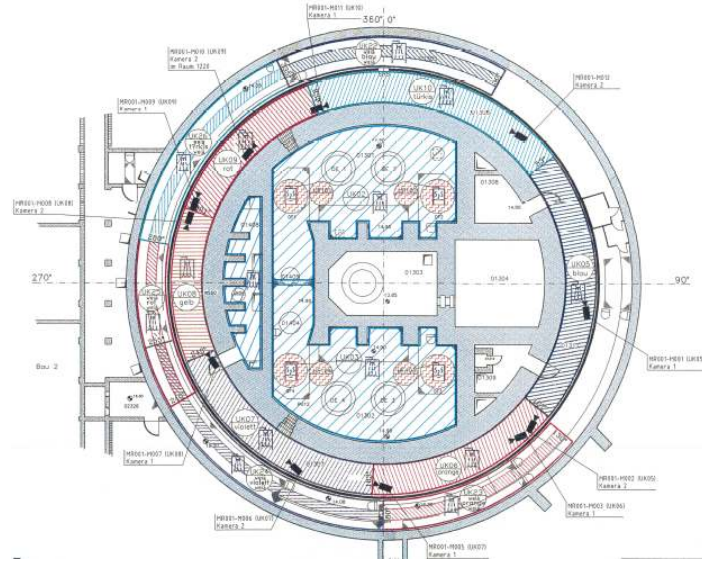
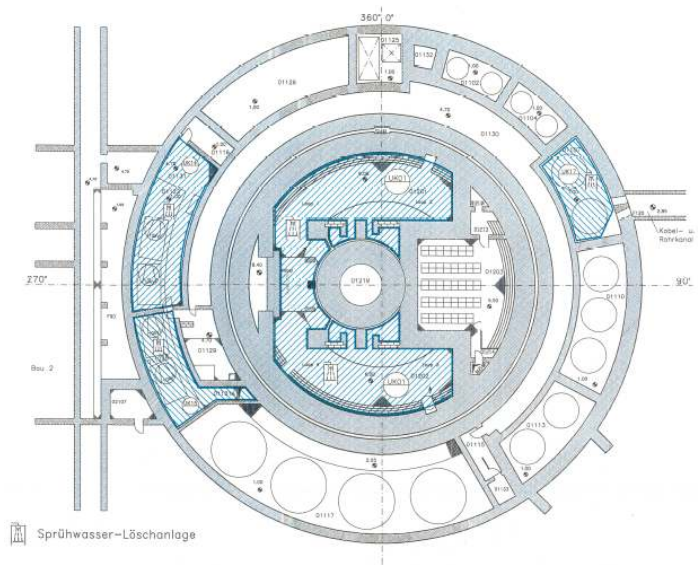


This is the start point for the release procedure:

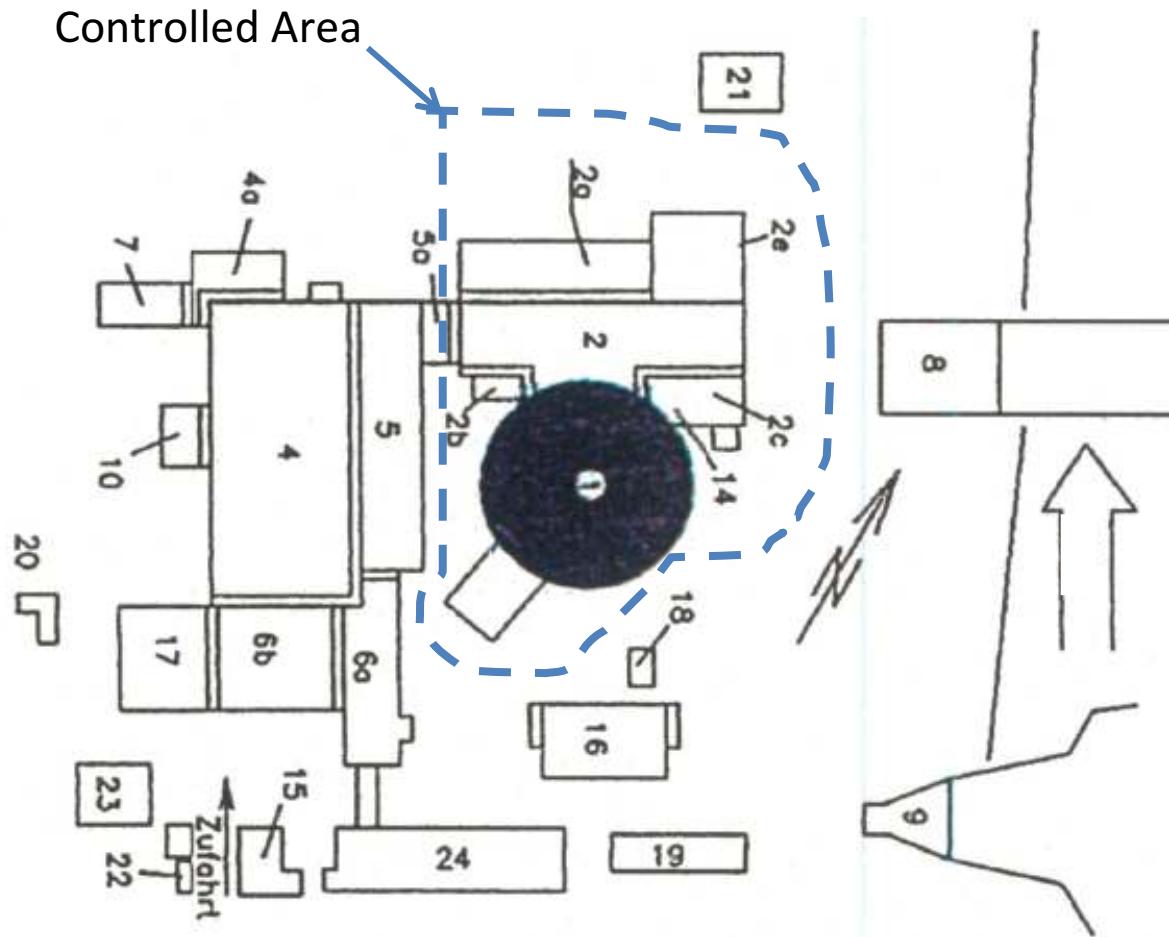
Materials left are

- concrete
- some drains
- air condition
- build-in metals
- metal stairways

Case Study: Interior of the reactor building, some levels and a vertical plane



Case Study: site layout



Case Study Release Procedure of a PWR NPP

- This is the goal:



From operation times



To Green Field!

Case Study: Release Procedure of a PWR NPP

Task:

Generate the documents for the application for the release procedure and the license for free release of the reactor building.

To follow this strategy it is necessary to clear these questions:

- Which chronicle order leads to the best results in aspect to a short duration of the whole process?
- Could some areas released during the process?
- Which measures to proof the level of contamination gives where the best results?
- How is the ALARA Principle obtained?
- How is the process documented?