

SUBJECT 12

MEASURES FORESEEN FOR THE END OF THE OPERATING LIFETIME IN VIEW OF DISMANTLING

On the basis of the experience feedback coming from the dismantling operations performed in France on the first generation nuclear power plants and also on an international plan, the EPR unit's design includes various measures which:

- minimize the volume of radioactive structures,
- reduce the potential hazard of the waste,
- lower the irradiation level of components submitted to fuel radiation,
- restrict the spread of contamination and favour systems decontamination,
- facilitate the access of personnel and machines and the evacuation of waste,
- ensure the gathering of building and operating data needed to prepare dismantlement correctly.

These measures facilitate the dismantling of the reactor to a level equivalent to IAEA level 3 (return of site to common industrial use), limit the dosimetry of the corresponding operations and limit the quantity and activity of the nuclear waste produced.

☞ TO FIND OUT MORE, please see:

- **Document 5** *Piece D - Chapter IX: Measures foreseen for the end of the unit's operating life to facilitate dismantling*