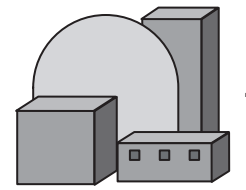


Decommissioning Process of Nuclear Power Plant

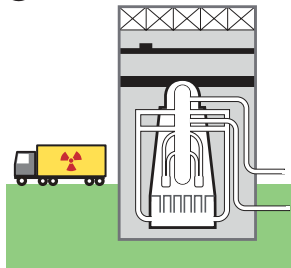


Termination of Operation



● Standard stages of decommissioning (Note:) Boiling water reactor (BWR)

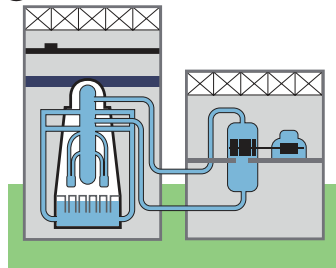
①



Unloading of spent fuel

Spent and unused fuel is carried out to reprocessing plants and storage facilities, where it is subject to careful controls and processing.

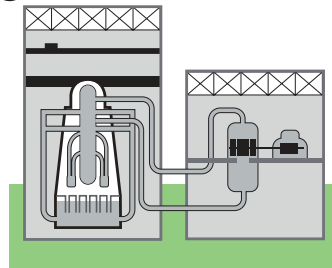
②



System decontamination - clean-up

Chemicals are used to remove as much of the radioactive substances remaining in the facility's piping and container vessels as possible in order to facilitate subsequent dismantling work.

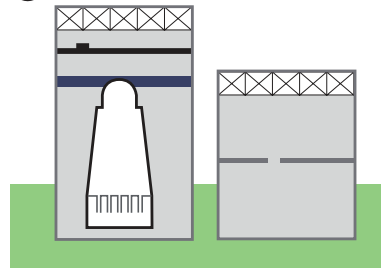
③



Safe storage - standby

The facility is put into safe storage under proper management as long as required and then further dismantling awaits decay of radioactivity to facilitate that work.

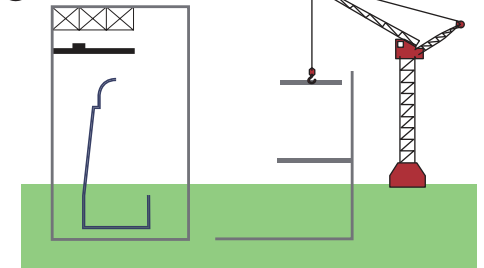
④



Dismantling (1) - internal demolition

To avoid release of radioactive substances to the outside, the equipment inside the building, such as piping and vessels, are first dismantled.

⑤



Dismantling (2) - building demolition

After confirming that the targeted radioactive substances from inside the building have in fact been removed, the building is dismantled in the same way as a normal building.



Site Use

The site can be used for a variety of purposes once it goes through legal procedures and its safety is confirmed. Alternatively, one current proposal is for the site to continue to be used effectively as a nuclear power site through cooperation with the local community.

(Note) The operator determines the specific method according to the conditions, and the Nuclear Regulatory Commission confirms the safety.