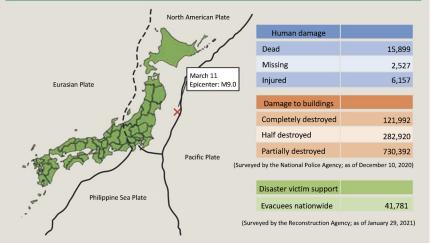


Damage due to the Great East Japan Earthquake

- A 9.0-magnitude earthquake occurred off the coast of Sanriku at 14:46 p.m. on Friday, March 11, 2011. The
 Earthquake and subsequent tsunami caused severe damage mainly to the Tohoku region.
- \bigcirc The earthquake was the largest ever recorded in Japan and the fourth biggest in the world since 1900.



Accident at the Nuclear Power Station

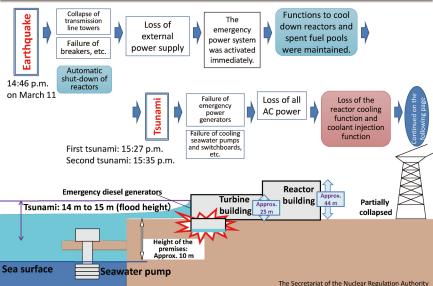


Tokyo Electric Power Company (TEPCO)'s Fukushima Daiichi NPS Unit 3 (shot from the air)

(Shot on March 16, 2011; Provided by TEPCO)

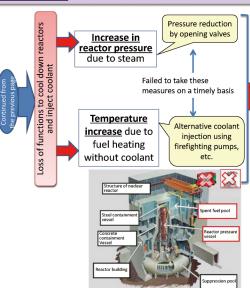
Fukushima Daiichi Nuclear Power Station (NPS) Accident

Factors of the Accident: (Estimated) Influence of the Earthquake and Tsunami



Fukushima Daiichi Nuclear Power Station (NPS) Accident

Factors of the Accident: (Estimated) Status within the Reactor



Events that occurred

- Generation of hydrogen due to waterzirconium reaction
 - →Hydrogen explosion
- ➤Overheat of core fuel
 - →Core melt

containment vessel.

- Deterioration of air tightness at the pressure vessel penetrator
 →Part of the melted fuel flowed down from the pressure vessel to the
- > Deterioration of the containment
 - vessel
 →Outflow of high-level radioactive-
 - →Discharge of radioactive materials into the air

—— Almost avoided –

◆ Steam explosion

contaminated water

- ◆ Recriticality
 - Fuel damage due to evaporation of coolant in the spent fuel pool

The Secretariat of the Nuclear Regulation Authority