

Editor :
Atomic Energy Society of Japan



The Fukushima Daiichi Nuclear Accident

Final Report of AESJ Investigation Committee

**This report was completed by the AESJ, Japanese academia in nuclear science/engineering, with concerted effort by specialists.
It covers all aspects of technical issues of the Accident.**

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The Magnitude 9 Great East Japan Earthquake on March 11, 2011, followed by a massive tsunami struck TEPCO's Fukushima Daiichi Nuclear Power Station and triggered an unprecedented core melt/severe accident in Units 1 – 3. The radioactivity release led to the evacuation of local residents, many of whom still have not been able to return to their homes.

As a group of nuclear experts, the Atomic Energy Society of Japan (AESJ) established the Investigation Committee on the Nuclear Accident at the Fukushima Daiichi Nuclear Power Station, to investigate and analyze the accident from scientific and technical perspectives for clarifying the direct and underlying causes, and to make recommendations. The results of the investigation by the AESJ Investigation Committee have been compiled herewith as the Final Report.

Direct causes of the catastrophic nuclear accident and the damages to the residents – inadequacies in tsunami measures, severe accident measures, emergency measures, accident recovery and mitigation measures – and the underlying causes - organizational issues, etc., have been clarified and recommendations in the following areas have been made.

- Nuclear safety fundamentals
- Direct causes of the accident
- Organizational aspects
- Common items (R&D, International cooperation, human resources)
- Restoration

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