

Situation and response of JAEA to the earthquake in northeastern Japan (Outline of activities on March 11-13)

Summary

Situation of each site in JAEA

- Checks of facilities were made since immediately after the earthquake on March 11.
- Commercial electric supply was stopped at the sites in Ibaraki prefecture. There have been no effects on the environment, no fire accidents and no serious injury, although there were some damages to the facilities and equipment. Necessity minimum facilities were operated based on electric supply from emergency electric generators using heavy oil or other fuel.
- On March 13, commercial electric supply resumed and equipment and facilities are in the process of restart in the Nuclear Science Research Institute and the Nuclear Fuel Cycling Engineering Laboratories. In O-arai Research and Development Center, commercial electric supply resumed in the northern part of the center on March 13. Repair works for the in-site transformer station has been carried out in the southern part of the Center.
- On March 11, commercial electric supply to the Aomori R&D Center was stopped. There were no anomalies the facilities. Commercial electric supply has been resumed since March 12.
- There has been no abnormality in any other sites (Horonobe, Takasaki, Tono, the Tsuruga Head Office, Monju, Fugen, Kansai, and Ningyotoge).

Assistance to the Fukushima No.1 and No. 2 Nuclear Power Plants

- Nuclear Emergency Assistance & Training Center (NEAT) is assisting activities of the Fukushima No.1 and No. 2 Nuclear Power Plants upon request by Ministry of Education, Culture, Sports, Science and Technology (MEXT).
- Experts from JAEA are participating in the emergency advisory group of The Nuclear Safety Commission of Japan.

Situation of each Site in JAEA

Nuclear Science Research Institute including J-PARC

- Checks of facilities were made since immediately after the earthquake on March 11. There have been no effects on the environment, no fire accidents and no serious injury, although there were some damages to facilities and equipment. Necessity minimum facilities were operated based on electric supply from emergency electric generators using heavy oil or other fuel.
- On March 13, commercial electric supply has resumed since around 15:30 and equipment and facilities are in the process of restart. The whole process is expected to take several days.

Nuclear Fuel Cycling Engineering Laboratories

- Checks of facilities were made since immediately after the earthquake on March 11. There have been no effects on the environment, no fire accidents and no serious injury, although there were some damages to facilities and equipment. Necessity minimum facilities were operated based on commercial electric supply

- from emergency electric generators using heavy oil or other fuel.
- On March 13, commercial electric supply has resumed since around 15:30 and equipment and facilities are in the process of restart until March 14.

O-arai Research and Development Center

- Checks of facilities were made since immediately after the earthquake on March 11. There have been no effects on the environment, no fire accidents and no serious injury, although there were some damages to facilities and equipment. Necessity minimum facilities were operated based on commercial electric supply from emergency electric generators using heavy oil or other fuel.
- Commercial electric supply resumed through transformer station of the northern part of the center at around 20:00 on March 13, equipment and facilities are in the process of restart until March 14. The transformer station of the southern part of the center requires repairing work, which is expected to start on or after March 14. Until recovery of the station, necessity minimum facilities operate using emergency electric generators.

Naka Fusion Institute

- Checks of facilities were made since immediately after the earthquake on March 11. There have been no effects on the environment, no fire accidents and no serious injury, although there were some damages to facilities and equipment. Commercial electricity supply was terminated at around 17:30 and the operation of facilities was stopped.
- The monitoring posts resumed operation at around 19:30 using emergency electric generators.
- Situation of damages to equipment and facilities were checked.

Aomori Research and Development Center

- Checks of facilities were made since immediately after the earthquake on March 11. There has been no damage to the facilities.
- Commercial electric supply has resumed to the Ominato facility on March 12 and the Sekinehama facility on March 13.

Head Office (Tokai, Ibaraki)

- Some building facilities have been damaged and suspended building usage.
- Emergency activities are conducted at the Emergency Center in Nuclear Fuel Cycle Engineering laboratories.

Other sites

- There has been no trouble in other sites, namely, Horonobe, Takasaki, Tono, Tsuruga Head Office, Monju, Fugen, Kansai, and Ningyotoge
- No abnormality at intakes of sea water at Monju and Fugen.

Assistance to the Fukushima No.1 and No. 2 Nuclear Power Plants

Nuclear Emergency Assistance & Training Center (NEAT)

- Emergency activities have been conducted in cooperation with the Government.
- Experts of environmental radiation monitoring were dispatched to Fukushima No. 1 Nuclear Power Plant upon request from MEXT. The first group of 7 experts departed at 4:30 by a helicopter from Hyakuri airbase and started monitoring work at 10:00 March 12.
- The second group of 9 experts departed with a monitoring car over the land route

and started monitoring work on March 13.

- On March 13, upon request from MEXT, NEAT prepared inquiring contact point and also prepared equipment to survey local people for radioactive material.
- On March 13, upon request from MEXT, Mobile whole body radiation counter and mobile body surface measurement car were prepared for action.

Emergency advisory group of The Nuclear Safety Commission of Japan

- Two experts of JAEA are participating in the emergency advisory group of The Nuclear Safety Commission of Japan.