My experience after Fukushima accident

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*:commercial operation

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[3.11] Earthquake & Tsunami

- 14:46 In my office (600 km from Fukushima) Felt earthquake and ran to the E.R. for reporting. Fortunately, no damage on our NPPs.
- Soon, received information about SBO of Fukushima-I.
- We collected information, guessed what was going on inside Fukushima-I, and reported to the local government. We didn't know the tsunami struck these nuclear plants.
- About 19:00
 Prime minister declares the Nuclear Emergency.
- About 23:00
 Our first support team for environmental radiation monitoring left for Fukushima.
- About 2:00 went back home.







[3.12] Hydrogen explosion

- About 3:00
 Email ~ The pressure in the R/V of Unit.1 was about three times higher than design basis.
- About 10:00 TEPCO started works for ventilation of R/V. Not going smoothly.
- About 16:00, strange call.
 "One of reactor buildings disappeared. Do you know why?"
- About 17:00
 TV news reported the explosion of Fukushima-I unit1.
 Our support team member were safe?
- My company established the Great East Japan Earthquake Response HQ.



The Great East Japan Earthquake Response HQ

- Roles
 - Supporting acts for Fukushima and TEPCO
 - Implementation of measures against huge Tsunami and SBO
 - Quick and adequate information to local residents about Fukushima accidents and measures of our NPPs.









The measures against tsunami and SBO (example)



これらの安全性向上対策については速やかに実施してまいります。今後も、新たな情報が得られ次第、迅速かつ的確に必要な対策を追加・実施してまいります。

(The measures against tsunami and SBO) About local people around our NPPs

- Fortunately, no damage, but there must be fear.
- There no panic, no anti-nuclear demo
- I really appreciate that they understand our efforts, trusted our business, and endure their fear.







Fukushima support team

- Support team consists of about 300 workers from all nuclear operator companies except for TEPCO.
- Missions are human support.
 - Screening tests for radiation contamination to people, cars and goods
 - Environmental radiation monitoring
 - Other technical investment about radiation
- Workers take part in 1 week shift.



Screening tests

Screening tests for radiation contamination to workers or evacuees who came back from evacuation zone, goods which are carried from evacuation zone.



Test to cars and workers from evacuation zone.



Test to evacuees and goods. They made a brief visit back to their home inside evacuation zone and carried their goods.

Environment Radiation Monitoring

We measure the air dose rates and the radiation materials concentration in the soil in the evacuation zone in order to identify the status of radioactive material releases and environmental effects.

- Contamination protection · · · Tyveck (the white suite), mask, grabs and shoe covers
- Very high dose ratio About 100 μ Sv/h near Fukushimadaiichi in the middle of April



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The roads, buildings are severely damaged by the earthquake and tsunami. Everything near coastline are flown away by the tsunami.

What I think...

- This nuclear accident destroyed everything of local people, their land, local community, and their life. It is too severe for the sacrifice of benefit by nuclear energy.
- But, we could overcome such a huge, unpredictable disaster by implementing protective measures.
- I shall learn all the experience of this accident and do my best for nuclear safety in the future.