

# Partial Revision of Work to be Performed for Enhanced Safety Measures (Overview)

## Enhancement of functions of Emergency Response Center

- In order to make the emergency response center reliably available during severe accidents, the placement of emergency power supply equipment and ventilating facilities at diverse locations was taken into account for an additional building to be newly constructed. By placing at diverse rooms partitioned by fire walls, Chubu Electric Power will strengthen fire resistance measures.
- For air conditioning function, the performance will be enhanced so as to improve the work environment for disaster response personnel after ensuring earthquake resistance.
- The building area will expand by reviewing the above.
- For this reason, the design of the emergency response center (the additional building) will be reviewed in the future, and building construction / the manufacturing and installation of equipment will be conducted.

<<Image of diverse placement>>

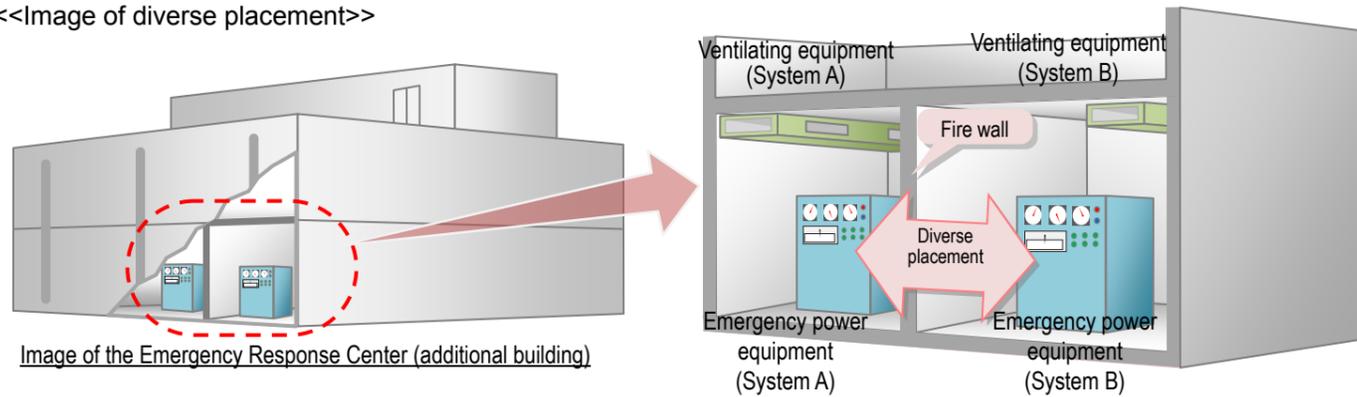
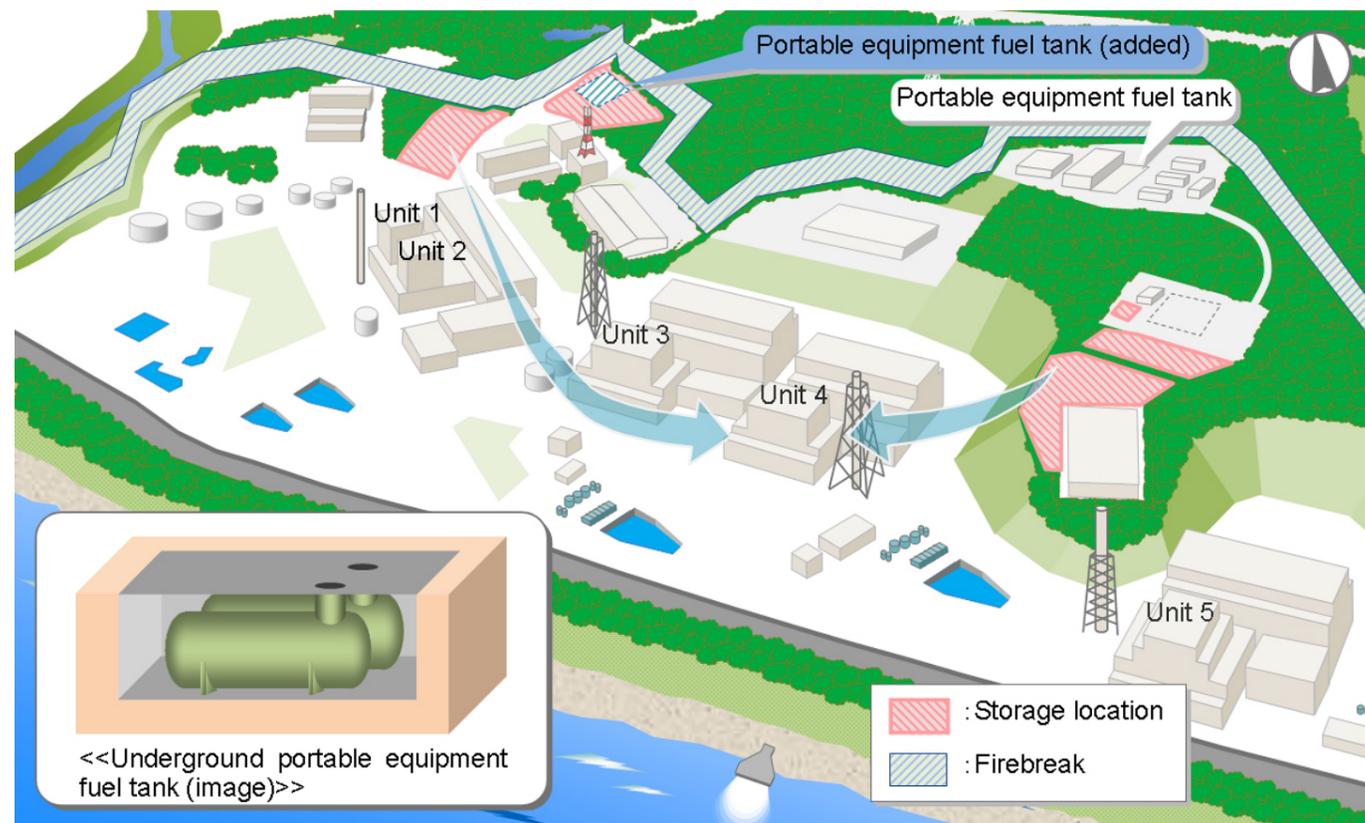


Image of the Emergency Response Center (additional building)

## Ensuring storage areas/access routes of portable equipment

- In order to not be impacted by external fires, the two storage areas of portable equipment (power supply vehicles, pump vehicles, etc.) and the access route from the storage areas to Unit 4 will be placed within the firebreak (\*).
- In order to make portable equipment reliably usable in the event of a severe accident, after ensuring earthquake resistance, an underground portable equipment fuel tank (1 week's worth), unaffected by tornados and fires, will be added to a storage area that will not be impacted to a great extent even if the site is flooded due to tsunamis.

(\*): Area to prevent the impact of forest fires



<<Underground portable equipment fuel tank (image)>>

## Fire Resistance Measures

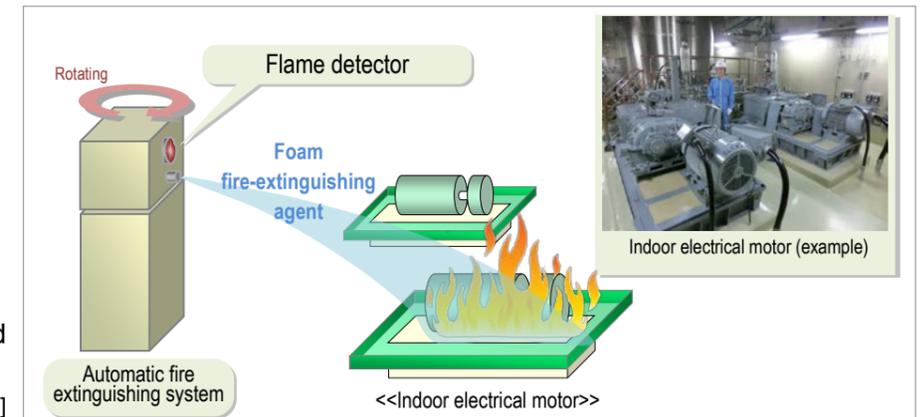
- Fire extinguishing systems depending on the type of fire will be introduced additionally to expand the correspondence range of fire extinguishing equipment that does not require the self-defense fire brigade to go to the site of the fire.
- For the fire on equipment containing oil inside such as electrical motors etc., an automatic fire extinguishing system which measures the distance to the flame and extinguishes the fire automatically or remotely and water cannon will be installed.
- For the fire occurred at power-supply equipment, in-panel fire extinguishing system will be installed to automatically extinguish fire inside of the power panels.

<<Regarding the automatic fire extinguishing system>>

This will be installed near the indoor electrical motor. This system will monitor fires using a flame detector, and if a fire occurs, it measures the distance to the flame and extinguishes the fire automatically.

A foam fire-extinguishing agent with excellent cooling and suffocating performance will be used for fire fighting.

[Installation locations: Approx. 50 locations]



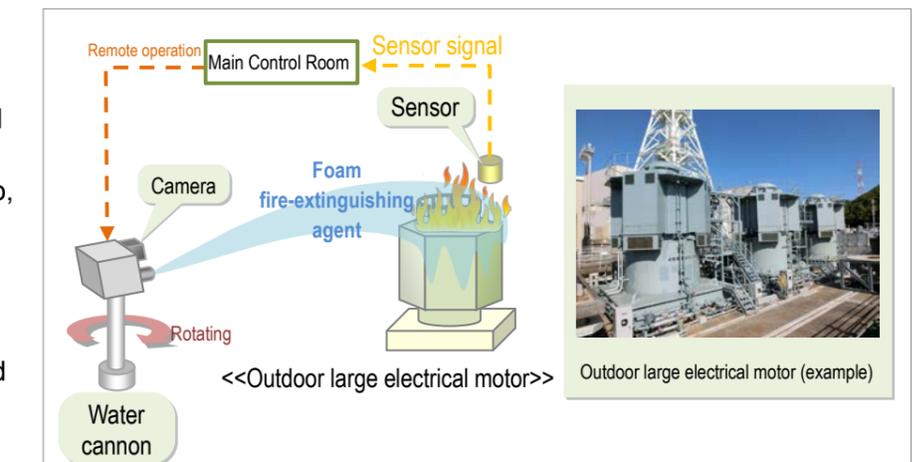
<<Regarding water cannons>>

This will be installed near the outdoor large electrical motors, etc.

A signal is sent to the Main Control Room when the sensor is activated. While monitoring the camera's video, the Main Control Room will operate the water cannon remotely.

A foam fire-extinguishing agent with excellent cooling and suffocating performance will be used for fire fighting.

[Installation locations: Circulation Water Pump electrical motor, Primary Loop Recirculation pump electrical motor transformer]



<<Regarding the in-panel fire extinguishing system>>

This will be installed within the power panel.

This system will automatically detect fires inside of the power panel and conduct extinguishing.

An extinguishing gas that does not impact the equipment after use is used for fire fighting.

[Installation locations: Approx. 500 locations]

