

Plan to Conduct Detailed Monitoring in Restricted Area and Planned Evacuation Zone

June 13, 2011

Team in charge of Assisting the Lives of Nuclear Disaster Victims
Ministry of Education, Culture, Sports, Science and Technology

1. Purpose

Additional monitoring shall be conducted in restricted area and planned evacuation zone, which will ensure consistency with 2×2 km grid surveys on soil conducted as a part of the “Enforced on Environmental Monitoring,” and complement them.

2. Plan

Detailed air dose rate monitoring shall be conducted within restricted area and planned evacuation zone (Responsible entities: Central Research Institute of Electric Power Industry and Tokyo Electric Power Company).

(1) Monitoring for Collecting Basic Data

The following monitoring shall be conducted so as to obtain basic data:

- Period: June 13 to late June (scheduled)
- Locations: 2×2 km grids near Namie station and Tomioka station (having selected urban areas)
- Monitoring points: Air dose rates shall be measured at 400 points each at the above-mentioned two locations, by dividing the locations into 100×100 m grids

(2) Wide-area Monitoring

Based on basic data obtained, the following monitoring shall be conducted:

- Period: Late June to late August (scheduled)
- Locations: Restricted area and planned evacuation zone shall be divided into 2×2 km grids (a total of 217 grids), and around 20 points shall be selected for each grid to measure air dose rate sequentially. (However, areas where there are difficulties to access and where no people reside, including forest shall be excluded.)

(3) Individual Detailed Monitoring

Based on the results of wide-area monitoring, individual monitoring shall be conducted at residences, roads, schoolyards, etc. in detail, so as to obtain basic data for considering how to carry out measures to improve the environment of these areas. (This monitoring is scheduled to be conducted from the middle of June to the end of October.)

3. Future Schedule

Based on results of these monitoring surveys, model projects for radioactive decontamination in living areas, including residences, shall be planned for the purpose of collecting efficient and effective decontamination methods that can be used in the future.

Plan to Conduct Detailed Monitoring in Restricted area and Planned Evacuation Zone

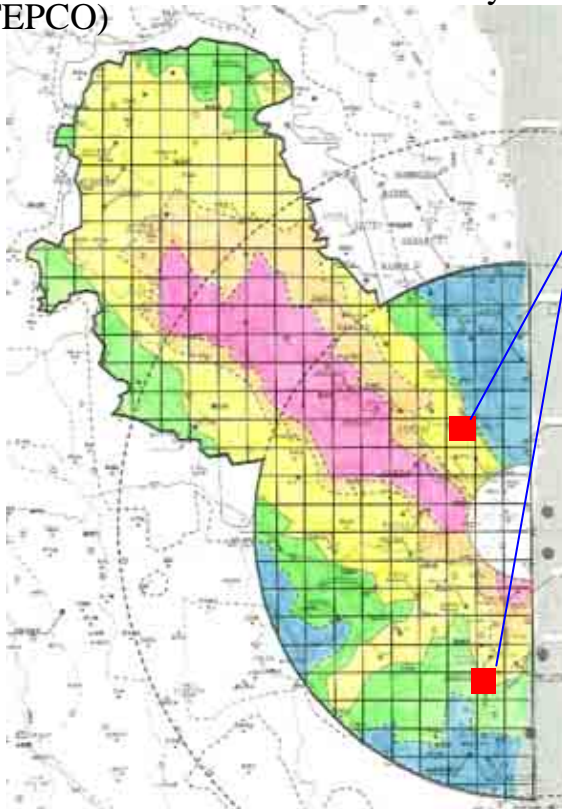
Purpose and Outline of Detailed Monitoring Plan

Additional monitoring shall be conducted in restricted area and planned evacuation zone, which will complement and ensure consistency with 2×2 km grid surveys on soil conducted as a part of the “Enforced Plan on Environmental Monitoring”.

- Wide-area monitoring: Restricted Area and planned evacuation zone shall be divided into 2×2 km grids, and air doses in various environments (in particular, points where high doses rate are detected) shall be ascertained, taking into consideration land usage in each grid.
- Individual detailed monitoring: Based on the results of wide-area monitoring, detailed monitoring should be conducted at residences, roads, schoolyards, etc., so as to obtain basic data for considering how to carry out measures to improve the environment with the aim of enabling residents to return home early.

Wide-area Monitoring

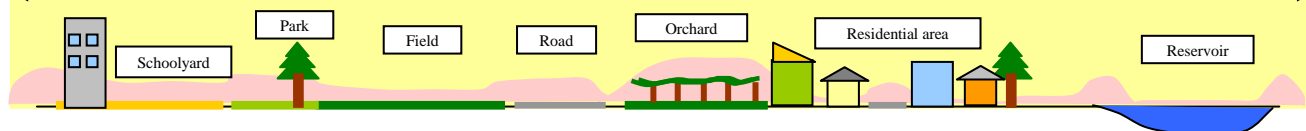
(Responsible entities: Central Research Institute of Electric Power Industry and TEPCO)



Period: June 13 to late August (scheduled) *Continuation shall be discussed separately.

- (1) Restricted area and planned evacuation zone shall be divided into 2 × 2 km grids (total of 217 grids)
* Restricted area (within 20km): Conduct after making adjustments with MEXT
Planned evacuation zone: Conduct after evacuation concludes
- (2) Out of the chart showing 2 × 2 km grids, 2 monitoring locations are selected (**near Namie station and Tomioka station**, both of which are urban areas within the target area, having diversified types of environment). (*A prior survey for selection is scheduled.)
- (3) Monitoring for collecting basic data
Air dose rates shall be measured comprehensively at 400 points at the above-mentioned two locations, by dividing the locations into 100 × 100 m grids, so as to obtain dose LV in various environments and prepare basic data for the overall plan.

Detailed monitoring shall be conducted at 400 points in a 2 × 2 km grid, Extracting categories of specified land usage.



- (4) Wide-area monitoring
Based on basic data obtained by (3), monitoring plans for each grid shall be made, and around 20 points shall be selected for each grid to measure air dose rate sequentially. (217 grids × around 20 points = around 4,340 points)

Individual Detailed Monitoring

Period: The middle of June to the end of October (scheduled)

*Continuation shall be discussed separately.

(Responsible entities: Central Research Institute of Electric Power Industry and TEPCO)

Monitoring shall be conducted mainly in areas with high dose, for which consent is obtained from the owners.

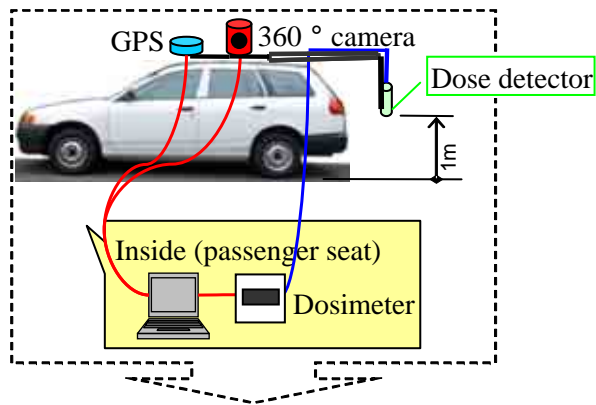
Air: Measurement using monitoring cars.

Soil/Forests: Survey of depth distribution at paddy fields, farms, and schoolyards with high dose.

Artificial materials: Survey of contamination of residences and roads

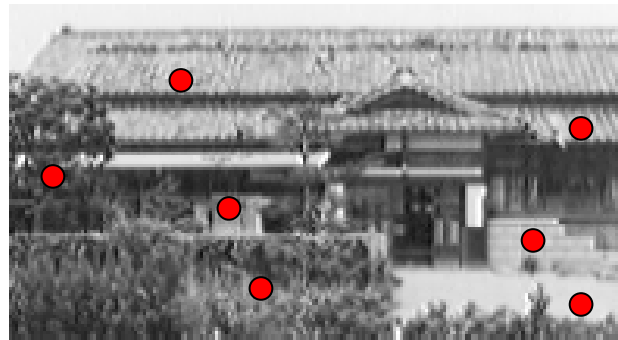
Water: Survey of tap water (upstream areas of purification plants) and water environment (water reservoirs)

Example of individual monitoring



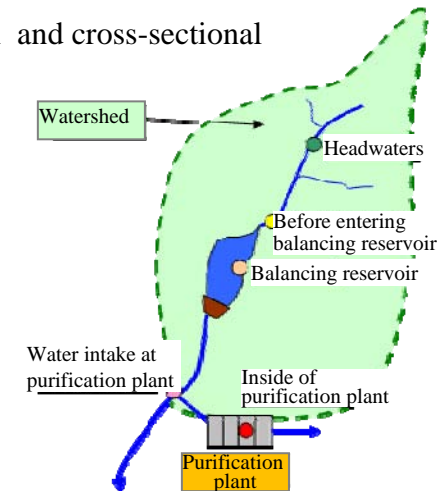
Record of air dose and images of the surroundings

In addition, soil contamination status in the depth direction and cross-sectional conditions of roads shall be monitored.



●:Monitoring spots

Measurement of radiation dose and dust at a single-family house



Measurement of radiation dose and nuclide analysis at a purification plant and headwaters

Future Schedule

(Responsible entities: Not yet determined)

Based on the results of these monitoring surveys, model projects for radioactive decontamination in living areas, including residences, shall be planned for the purpose of collecting efficient and effective decontamination methods that can be used in the future.