

## Comprehensive Radiation Monitoring Plan

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Monitoring Coordination Meeting, Japan

Large amount of radioactive materials were emitted into the environment due to an accident at the Tokyo Electric Power Company Inc.'s (now the Tokyo Electric Power Company Holdings, Inc.(TEPCO)) Fukushima Daiichi Nuclear Power Station (hereafter referred to as "TEPCO's Fukushima Daiichi NPS"), an event that was caused due to an earthquake that struck off the Pacific coast in the Tohoku region, generating a tsunami on March 11, 2011.

To conduct meticulous environmental radiation monitoring pertaining to the accident at TEPCO's Fukushima Daiichi NPS (hereinafter referred to as "monitoring") reliably and systematically, the government set up the Monitoring Coordination Meeting, Japan <sup>(Note)</sup>, under the auspices of the Nuclear Emergency Response Headquarters and formulated this plan. Accordingly, the relevant government ministries, local governments, the operator of nuclear facilities, and other entities joined forces to implement monitoring activities.

Over the course of ten years since the earthquake, large fluctuations in measurement results obtained through monitoring according to this plan has been rarely observed. However, high air dose rates and concentrations of radioactive materials have been observed in areas around TEPCO's Fukushima Daiichi NPS .Based on these results, monitoring according to this plan will continue to be conducted and the measurement results will be publicly disclosed.

Note: Chairperson: Minister of the Environment  
Vice-Chairperson: Parliamentary Vice-Minister of the Environment  
Secretary-General: Director-General for Radiation Protection Strategy and Security, the Secretariat of the Nuclear Regulation Authority and Director-General, Environmental Management Bureau, Ministry of the Environment

Members:

Director-General for Nuclear Disaster Management, Cabinet office; Deputy Director-General, Support Team for Residents Affected by Nuclear Incidents, Nuclear Emergency Response Headquarters, Cabinet Office; Director-General, Security Bureau, National Policy Agency; Director-General, Elementary and Secondary Education Bureau, Ministry of Education, Culture, Sports, Science and Technology; Councilor, Minister's Secretariat, Ministry of Health, Labor and Welfare (crisis management and medical technology); Director-General, Agriculture, Forestry, and Fisheries Research Council, Ministry of Agriculture, Forestry and Fisheries; Deputy Director-General, Fisheries Agency; Deputy Vice Minister for Security and Transport Safety Policy, Ministry of Land, Infrastructure, Transport and Tourism; Deputy Director-General, Meteorological Agency; Vice commandant, Japan Coast Guard; Administrative Vice Chief of Staff, Joint Staff, Ministry of Defense; Fukushima Prefectural Government; Tokyo Electric Power Company Holdings, Inc.(TEPCO); and other persons deemed necessary by the Chairperson

## 1. Purpose

The purpose of this plan is to contribute to the following:

- i) To grasp radiation dose levels and distribution of radioactive materials mainly in the residential areas and locations on a medium-to-long-term basis;
- ii) To estimate current exposure dose levels (external and internal exposures) and expected future exposure dose levels for residents;
- iii) To plan and evaluate decontamination scheme and other measures to be taken to reduce exposure dose levels in accordance with different exposure situations;
- iv) To investigate and make a decision with respect to changes and revisions made to evacuation zones based on predictions of future exposure as realistically as possible;
- v) To amass basic data for managing the health of residents and making health impact assessments;
- vi) To grasp the state of the dispersion, deposition, migration, and transference of radioactive materials emitted into the environment.

Relevant government ministries, local governments, the operator of nuclear facilities, and other entities shall endeavor to collect data required for the foregoing.

Attention should also be paid to the development of a system for gathering and amassing data obtained through monitoring as basic data for healthcare management of local residents over a long time period.

## 2. Division of roles

### ○Basic policy

Nuclear Regulation Authority (NRA):

- Shall plan and implement the monitoring of terrestrial environments, analyze and evaluate <sup>(Note)</sup> measurement results, and consolidate and disseminate these results;
- Shall coordinate the division of monitoring roles and provide scientific and technical advice to the relevant ministries and other entities;
- Shall consolidate and disseminate the results of the analysis and evaluation <sup>(Note)</sup> of measurement results as conducted by relevant ministries and other entities;

The Secretariat of the NRA shall conduct paperwork.

Nuclear Emergency Response Headquarters:

- Shall plan, implement, and coordinate plans for the monitoring of the area surrounding TEPCO's Fukushima Daiichi NPS in collaboration with the relevant government ministries, as well as analyze and evaluate <sup>(Note)</sup> measurement results.
- Provide support for monitoring conducted by the Fukushima Prefectural Government.

Relevant government ministries:

- Shall plan and implement monitoring in line with administrative objectives, analyze and evaluate <sup>(Note)</sup> measurement results, and consolidate and disseminate their results.
- Shall support other relevant organizations and bodies.

Local governments:

- Shall collaborate with the central government and the operator of nuclear facilities to conduct community-based monitoring and consolidate and disseminate the results of the analysis and evaluation <sup>(Note)</sup> of measurement results in an integrated manner with the central government and

the operator of nuclear facilities.

The Operator of a nuclear facilities and other entities:

- Shall, under the coordination of the central government, conduct monitoring together with local governments and consolidate and disseminate the results of the analysis and evaluation <sup>(Note)</sup> of measurement results in an integrated manner.

Note:“Analysis and evaluation” in this context means to verify the reliability of monitoring data and analyze the causes of any abnormal value detected.

○Specific monitoring actions

- The relevant government ministries, local governments, the operator of nuclear facilities, and other entities shall implement monitoring as follows:

Monitoring targets	Consolidating and disseminating information (Planning and consolidating and disseminating the results of the analysis and evaluating measurements results)	Conducting monitoring actions and analyzing and evaluating measurement results, or supporting these actions *○ = implementing entity
Terrestrial environments (including soil, water, and atmosphere), aquatic environments (rivers, lakes and marshes, water sources, and groundwater), sea areas, and others	○Nuclear Regulation Authority (Ministry of the Environment will consolidate information concerning aquatic environments)	<p>Area around TEPCO's Fukushima Daiichi NPS</p> <ul style="list-style-type: none"> <li>○Nuclear Emergency Response Headquarters (With the participation of relevant ministries, local governments, and the operators of nuclear facilities)</li> </ul> <p>Others</p> <ul style="list-style-type: none"> <li>○Nuclear Regulation Authority</li> <li>○Ministry of the Environment</li> <li>○Ministry of Economy, Trade and Industry</li> <li>○Ministry of Land, Infrastructure, Transport and Tourism</li> <li>○Japan Coast Guard</li> <li>○Local governments</li> <li>○The operators of a nuclear facilities</li> <li>Ministry of Agriculture, Forestry and Fisheries<sup>(Note 1)</sup></li> <li>Ministry of Health, Labor and Welfare</li> <li>Ministry of Defence<sup>(Note 2)</sup> &lt;air and sea areas&gt;</li> <li>Reconstruction Agency<sup>(Note 3)</sup></li> </ul>
Schools and other institutions	○Nuclear Regulation Authority (consolidation in conjunction with the provision of information by the Ministry of Education, Culture, Sports, Science and Technology)	<p>Area around TEPCO's Fukushima Daiichi NPS</p> <ul style="list-style-type: none"> <li>○Nuclear Emergency Response Headquarters (With the participation of relevant ministries, local governments, and the operator of nuclear facilities)</li> </ul> <p>Others</p> <ul style="list-style-type: none"> <li>○Nuclear Regulation Authority</li> <li>○Local governments</li> <li>Nuclear Emergency Response Headquarters</li> <li>Ministry of Education, Culture, Sports, Science and Technology</li> <li>Ministry of Health, Labor and Welfare</li> </ul>

Ports, parks, sewage systems, and other facilities	○Nuclear Regulation Authority (consolidation in conjunction with the provision of information by the Ministry of Land, Infrastructure, Transport and Tourism)	Area around TEPCO's Fukushima Daiichi NPS ○Nuclear Emergency Response Headquarters (With the participation of relevant ministries, local governments, and the operator of nuclear facilities)
		Others ○Local governments and others Ministry of Land, Infrastructure, Transport and Tourism
Wild fauna and flora, waste, removed soil, and others	○Ministry of the Environment	Area around TEPCO's Fukushima Daiichi NPS ○Nuclear Emergency Response Headquarters (With the participation of relevant ministries, local governments, and the operator of nuclear facilities)
		Others ○Ministry of the Environment ○Local governments The operators of nuclear facilities and others
Agricultural soil, forests and fields, pastures, and others	○Ministry of Agriculture, Forestry and Fisheries	Area around TEPCO's Fukushima Daiichi NPS ○Nuclear Emergency Response Headquarters (With the participation of relevant ministries, local governments, and the operator of nuclear facilities)
		Others ○Ministry of Agriculture, Forestry and Fisheries ○Local governments
Supplied water	○Ministry of Health, Labor and Welfare	Area around TEPCO's Fukushima Daiichi NPS ○Nuclear Emergency Response Headquarters (With the participation of relevant ministries, local governments, and the operator of nuclear facilities)
		Others ○Local governments ○Water utilities and others
Foodstuff (agricultural, forestry, livestock, fishery products, and others)	○Ministry of Health, Labor and Welfare	Area around TEPCO's Fukushima Daiichi NPS ○Nuclear Emergency Response Headquarters (With the participation of relevant ministries, local governments, and the operator of nuclear facilities)
		Others ○Ministry of Agriculture, Forestry and Fisheries

		○Local governments National Tax Agency <sup>(Note 4)</sup> and others
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Note 1 While the Ministry of Agriculture, Forestry and Fisheries (Fisheries Agency) engages in the monitoring of fishery products from the standpoint of ensuring the safety of foodstuff, monitoring data that has been gathered is included here as they can also be used as data for environmental monitoring.

Note 2 The Ministry of Defense, shall, upon request, provide support through the use of aircrafts and vessels in collaboration with relevant ministries and agencies as required.

Note 3 The Reconstruction Agency shall collaborate with relevant ministries and agencies in the restoration of infrastructure in zones subject to evacuation orders and in the overall coordination efforts, supporting the return of residents.

Note 4 The National Tax Agency shall cooperate with relevant government ministries in monitoring food products relating to alcoholic beverages, provided it is tasked with ensuring the safety of alcoholic beverages.

### 3. Implementation plan

#### 1) Monitoring plans for terrestrial environments (including soil, water, and atmosphere), aquatic environments, sea areas, and others

○ Terrestrial monitoring primarily around TEPCO's Fukushima Daiichi NPS

[Wide area monitoring of the whole of Fukushima Prefecture and neighboring prefectures]

<Air dose, integral dose, and others>

- Measurement results obtained from fixed and transportable monitoring posts installed throughout Fukushima Prefecture and in the neighboring prefectures (Miyagi, Yamagata, Ibaraki, Tochigi, Gunma, and Niigata) as well as from real-time dose measurement systems set up at kindergartens, primary schools, junior high schools, high schools, daycare centers, parks, and other public facilities where residents gather in Fukushima Prefecture shall be publicly released via the Internet. [Regularly conducted] (Nuclear Regulation Authority, Fukushima Prefectural Government, and the governments of neighboring prefectures)
- Fixed-point measurements of the air dose rate using survey meters and other instruments and fixed-point measurements of integral dose using integrating dosimeters will be taken across the whole of Fukushima Prefecture. [Regularly conducted] (Nuclear Regulation Authority, Nuclear Emergency Response Headquarters, Fukushima Prefectural Government)
- To grasp changes in the air dose rate within an 80-kilometer radius of TEPCO's Fukushima Daiichi NPS, airborne monitoring will be regularly conducted in this area and air dose rate maps will be accordingly produced. [Regularly conducted] (Nuclear Regulation Authority)
- To measure air dose rates on the ground across an entire area, continuous car-borne surveys based on the use of motor vehicles will be conducted and air dose rate maps will be accordingly produced. [Regularly conducted] (Nuclear Regulation Authority, Fukushima Prefectural Government, and others)
- The air dose rate will be measured using survey meters at public facilities in Fukushima Prefecture. [Conducted as needed] (Fukushima Prefectural Government)

<Airborne dust>

- Dust particles suspended in the air (airborne dust) will be monitored with a focus on measuring the living environment. [Regularly conducted] (Nuclear Regulation Authority, Nuclear Emergency Response Headquarters, Fukushima Prefectural Government)

<Monthly fallout and others>

- Monthly fallout will be measured once a month and the supplied water will be measured once a year, and upon measurement, results will be publicly disclosed. [Regularly conducted] (Nuclear Regulation Authority, Fukushima Prefectural Government)

<Terrestrial soil>

- The concentration of radioactive material in soil will be measured and the state of the deposition of radioactive material on the ground's surface will be measured, whereupon soil concentration, maps will be accordingly produced. [Regularly conducted] (Nuclear Regulation Authority, Nuclear Emergency Response Headquarters, Fukushima Prefectural Government)



### <Indicator plants>

- Indicator plants that can be sampled year-round regardless of the season (such as pine needles) will be specified and the concentrations of radioactive materials in these plants will be continuously measured. [Regularly conducted] (Nuclear Regulation Authority, Nuclear Emergency Response Headquarters, Fukushima Prefectural Government)

### [Detailed monitoring in zones subject to evacuation orders]

- The following types of monitoring will be sequentially conducted in zones subject to evacuation orders. Where necessary, additional monitoring will be sequentially conducted. [(i) = periodically conducted; (ii) = conducted as needed] (Nuclear Emergency Response Headquarters, Reconstruction Agency, relevant government ministries, the operator of a nuclear facilities)
  - i) Detailed area-wide monitoring of the air dose rate by a car-borne survey
  - ii) Detailed monitoring to support work to restore wide-area infrastructure
- To support the return of residents, resumption of habitation, and reconstruction, the following types of monitoring will be sequentially conducted in accordance with local needs. Precision dose maps for the return of residents will be produced. For a system to enable the conducting of monitoring, the Nuclear Emergency Response Headquarters and Nuclear Regulation Authority will play a central role in constructing a system of collaboration among the relevant government ministries, the Fukushima Prefectural Government, and the operator of a nuclear facilities in accordance with the nature of local needs. [Conducted as needed] (Nuclear Emergency Response Headquarters, Nuclear Regulation Authority, Reconstruction Agency, relevant government ministries, Fukushima Prefectural Government, the operator of nuclear facilities, and others)
  - i) Monitoring of the air dose rate at kindergartens, schools, hospitals, and other key facilities situated in applicable zones
  - ii) Area-wide monitoring of the air dose rate based on the use of car-borne surveys and drones in zones where residents reside
  - iii) Monitoring as requested by local governments
  - iv) Measuring air dose rates based on the state of progress in terms of decontamination

### ○Monitoring of aquatic environments (rivers, lakes and marshes, water sources, and groundwater)

- Concentrations of radioactive materials in water, bottom sediment, and environmental samples (soil and aquatic organisms (conducted primarily within Fukushima Prefecture for aquatic organisms)) collected at environmental reference points in rivers, lakes and marshes, water sources, and coastal areas in Fukushima Prefecture and neighboring prefectures will be measured together with air dose rates at the reference points. In particular, concentrations of radioactive materials in water and bottom sediment obtained from rivers, lakes and marshes, water sources, and coastal areas in Fukushima Prefecture, as well as air dose rates and concentrations of radioactive materials contained in water at ocean-side and lake-side swimming beaches shall be more intensively measured. [Regularly conducted; however, the monitoring of ocean-side and lake-side swimming beaches in Fukushima Prefecture will be conducted before and after the beaches are opened] (Ministry of the Environment, Fukushima Prefectural Government)
- Concentrations of radioactive materials in groundwater in Fukushima Prefecture and neighboring prefectures will be monitored. In particular, concentrations of radioactive materials in groundwater in Fukushima Prefecture will be more intensively measured. In addition, concentrations of

radioactive materials contained in potable well water in Fukushima Prefecture will especially be measured. [Regularly conducted] (Ministry of the Environment, Fukushima Prefectural Government)

○Sea area monitoring

- Monitoring will be conducted in accordance with the separately attached “Proceeding with Sea Area Monitoring”.(Nuclear Regulation Authority, Fisheries Agency, Ministry of Land, Infrastructure, Transport and Tourism, Japan Coast Guard, Ministry of the Environment, Fukushima Prefectural Government, the operator of nuclear facilities)

○Nationwide monitoring

<Air dose rates>

- Measurement results obtained at all monitoring posts installed in each prefecture for the environmental radioactivity level survey shall be publicly released in real time via the Internet. Estimates of air dose rates at a height of one meter above the ground in the proximity of monitoring posts installed by no later than March 11, 2011, shall be calculated based on past and publicly-disclosed results in real time. (In addition, air dose rates at a height of one meter above the ground are measured by a survey meter, and shall be measured and publicly disclosed once a month after validation.) [Regularly conducted] (Nuclear Regulation Authority, local governments)
- Airborne monitoring will be conducted to grasp changes in the air dose rate in areas with relatively high air dose rates in Fukushima Prefecture and neighboring prefectures (snow accumulation conditions will be taken into account when conducting monitoring). [Regularly conducted] (Nuclear Regulation Authority)

<Monthly fallout and others>

- Monthly fallout will be measured once a month and the supplied water will be measured once a year, whereupon measurement, the results will be publicly disclosed. [Regularly conducted] (Nuclear Regulation Authority, local governments)

○Other types of monitoring

<Monitoring to address newly emerged issues>

- Where a high level of need to conduct monitoring on an ongoing or emergency basis from the standpoint of reducing exposure for residents to radiation has been newly emerged, the necessary actions will be pursued in collaboration with administrative organs with jurisdiction over relevant industries, schools, and other concerned entities. [Conducted where necessary] (administrative organs with jurisdiction over the affairs in question)

2) Monitoring plans for schools and other locations (such as schools and daycare centers)

<Measuring air dose rates in schoolyards and other locations>

- Measurement results generated by real-time dose measurement systems set up at kindergartens, primary schools, junior high schools, high schools, daycare centers, parks, and other public facilities where residents gather in Fukushima Prefecture shall be publicly released via the

Internet.(Re-issued) [Regularly conducted] Nuclear Regulation Authority]

- Air dose rates in schoolyards and other sites will be measured once a year at kindergartens, primary schools, junior high schools, high schools, daycare centers, and other locations in Fukushima Prefecture. [Regularly conducted] (Fukushima Prefectural Government)
- Air dose rates at child welfare facilities in Fukushima Prefecture will be measured. [Regularly conducted] (Fukushima Prefectural Government)

<Measuring concentrations of radioactive materials in outdoor pool water>

- Concentrations of radioactive materials in outdoor pool water will be surveyed at schools in Fukushima Prefecture that would like to have this survey conducted. [Conducted as needed] (Fukushima Prefectural Government)

<Measuring concentrations of radioactive materials in school-provided lunches>

- Food ingredients used to prepare school-provided lunches will be inspected. [Conducted as needed] (Ministry of Education, Culture, Sports, Science and Technology (summarization of results), local governments)
- Lunch foods provided by schools and child welfare facilities shall be subject to inspections for measuring radioactive materials. [Conducted as needed] (Local governments)

### 3) Monitoring plans for ports, parks, sewage systems, and other facilities

<Measuring sewage sludge>

- Concentrations of radioactive materials contained in sewage sludge treated by concerned local governments will be measured and grasped. [Conducted as needed] (Ministry of Land, Infrastructure, Transport and Tourism (summarization of results), local governments)

<Monitoring air and seawater at ports>

- Air dose rates in the air and concentrations of radioactive materials in the seawater at ports will be measured in the Tohoku and Kanto regions. [Conducted as needed] (Ministry of Land, Infrastructure, Transport and Tourism (summarization of results), local governments, and others)

<Measuring at city parks and others>

- Air dose rates at city parks and others in Fukushima Prefecture will be measured. [Conducted as needed] (Fukushima Prefectural Government)

<Measuring at tourist sites>

- Air dose rates at tourist sites (tourist facilities, mountainous areas, nature sites, and roadside stations) in Fukushima Prefecture shall be measured. [Conducted as needed] (Fukushima Prefectural Government)

### 4) Monitoring plans for wild fauna and flora, waste, removed soil, and other items

○Monitoring of wild fauna and flora

- Wild fauna and flora constituting indicators will be sampled and analyzed to help ascertain the

impact of radiation on natural ecosystems. [Conducted as needed] (Ministry of the Environment)

- Concentrations of radioactive materials in major game animals and birds that are often served as food will be measured in Fukushima Prefecture and neighboring prefectures. [Conducted as needed] (Fukushima Prefecture Government and the prefectural governments of neighboring prefectures)

○Monitoring of waste, removed soil, and other items

- In accordance with the Act on Special Measures concerning the Handling of Pollution by Radioactive Materials, waste at water supply facilities will be surveyed, concentrations of radioactive materials in exhaust gas; wastewater discharged by waste incineration facilities; and groundwater and effluents at their final disposal sites will be measured, and air dose rates at the site boundaries of waste incineration facilities and final disposal sites will be measured. [Regularly conducted] (Ministry of the Environment, local governments, relevant business operators, and others)

5) Monitoring plans for agricultural soil, forests and fields, pastures, and others

<Monitoring of agricultural soil>

- Changes in concentrations of radioactive materials in agricultural soil will be grasped and characteristics of their transference will be clarified. [Conducted as needed] (Ministry of Agriculture, Forestry and Fisheries)

<Monitoring of forests and fields, pastures, and others>

- With respect to forests and fields, concentrations of radioactive materials and air dose rate in forest soil, branches, leaves, bark, and timber will be measured in Fukushima Prefecture. [Regularly conducted] (Forestry Agency, Fukushima Prefectural Government)
- Concentrations of radioactive materials in pastures located in the relevant prefectures will be measured. [Conducted as needed] (Ministry of Agriculture, Forestry and Fisheries (summarization of results) and local governments)
- Concentrations of radioactive materials in reservoirs and others will be measured in Fukushima Prefecture. [Conducted as needed] (Ministry of Agriculture, Forestry and Fisheries)

6) Monitoring plan for the water supply

- In connection with purified water from water treatment plants and raw water from water intake areas, water-sampling sites will be set up and water collected from these sites will be inspected in each of the prefectures concerned. Especially in Fukushima Prefecture, concentrations of radioactive materials in tap water will be measured at each water source point. [Conducted as needed for the time being] (Ministry of Health, Labour and Welfare (formulation of inspection policies, summarization of results), Nuclear Emergency Response Headquarters, and local governments)

7) Monitoring plan for foodstuff (agricultural, forestry, livestock, fishery products, and others)<sup>1</sup>

<Monitoring of foodstuff in each prefecture>

- When necessary, guidelines applicable to inspection plans shall be revised based on inspection results and other considerations.(Nuclear Emergency Response Headquarters (with the collaboration of relevant ministries and agencies))
- Foodstuff will be monitored by prescribing items and regions subject to inspections in accordance with guidelines applicable to inspection plans and conducting inspections in a systematic manner as planned.(Ministry of Health, Labour and Welfare (summarization of results), concerned local governments)

<Survey of concentrations of radioactive materials in foodstuff>

- To help grasp actual exposure dose levels attributed to the intake of food, the Fukushima Prefectural Government will conduct a detailed survey of concentrations of radioactive materials in foodstuff over the course of several years with the cooperation of concerned organizations. [Conducted as needed] (Fukushima Prefectural Government (with the cooperation of concerned organizations))
- The central government will continuously conduct surveys of concentrations of radioactive materials in foodstuff in different areas, including Fukushima Prefecture, as a way to contribute to surveys conducted to estimate actual exposure dose levels attributed to the intake of foodstuff. [Conducted as needed] (Ministry of Health, Labour and Welfare)

4. Points to keep in mind

- (a) Concerned organizations will continuously organize and consolidate the results of monitoring and release these results via websites and update them as needed to contribute to the use of these results. In particular, the Nuclear Regulation Authority will operate a website that summarizes monitoring data, including links to websites operated by the concerned organizations, and build and publicly disclose a reliable database by consolidating and accumulating monitoring results and various types of incidental information required for the utilization of these results (including detailed measurement conditions, minimum detectable activity for individual analyses, and meteorological conditions).
- (b) Concerned organizations will, when necessary, look into revising the minimum detectable activity, frequency, and measurement scope in accordance with the purposes of monitoring, local needs, and other considerations.
- (c) Concerned organizations will endeavor to standardize measurements in accordance with the applicable purpose using standardizing measurement, such as sampling methods and calibrating measurement instruments. In addition, the cross-checking of analytical laboratories will be studied, where required upon examining the necessity of cross-checking in the context of individual monitoring actions.
- (d) Concerned organizations will endeavor to utilize the knowledge of experts when they formulate and implement monitoring implementation plans, engage in analytical and verification work, and disseminate information on the results of monitoring. At that time, the knowledge of experts across

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<sup>1</sup> Be aware that the points taken into account while inspecting foodstuff in accordance with the law and those while conducting environmental monitoring differ.

multiple disciplines will be used, where needed, in accordance with the purposes and targets of each monitoring action to help conduct more appropriate monitoring and utilize and disseminate the results of such monitoring.

- (e) This plan does not change the implementation system or contents of monitoring that is conducted by relevant government ministries and local governments in accordance with their administrative objectives. Due regard shall be paid to ensure that the conducted monitoring, to date with relevant government ministries, local governments, the operator of nuclear facilities, and other entities acting in concert with one another in accordance with their administrative objectives, will be conducted smoothly and promptly.