Eliminating Negative Reputation Impact

~ Reconstruction from Nuclear Disaster & the History of Safety and Revitalization of Fukushima ~

October, 2017





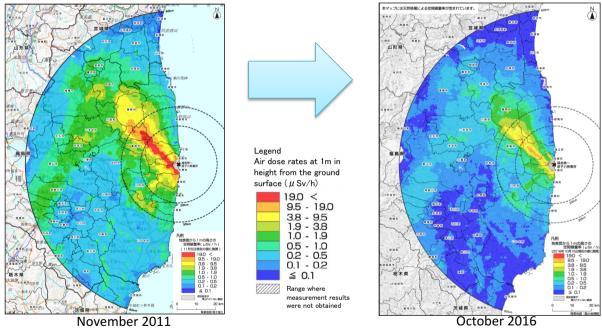


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Changes in Air Dose Rate

• The average air dose rate at 1m in height from the ground surface at a distance within 80km from Fukushima Daiichi Nuclear Power Station decreased by about 71%* compared to levels in November 2011.

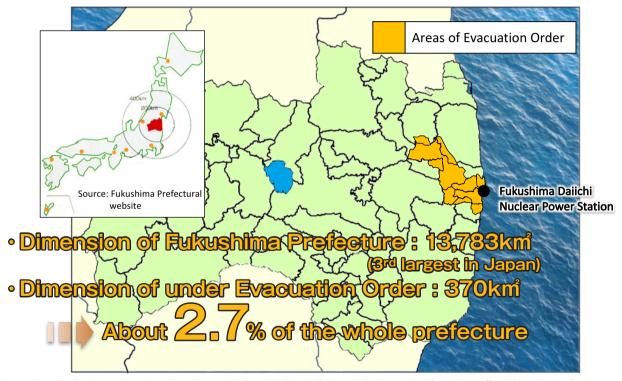


^{*}The target area is divided into 250-m grid meshes and the value is calculated from the ratio of the measurement results in the central point of each grid mesh. The rate of reduction may differ when other comparative methods are used.

Source: Nuclear Regulation Authority, "Measurement Results of Monitoring by Aircraft in Fukushima Prefecture and Nearby Prefectures" Most recent data: http://radioactivity.nsr.go.jp/en/

Reconstruction and Recovery of Fukushima: Status of the Areas under Evacuation Orders ①

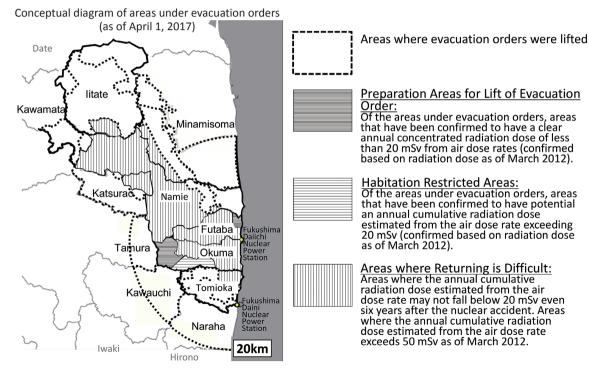
• Dimension of areas under evacuation order is about 2.7% of the whole prefecture. People in 97.3% of the prefecture can live a normal life.



Source: Created by the Reconstruction Agency based on materials from Fukushima Prefecture and the Support Team for Residents Affected by Nuclear Incidents

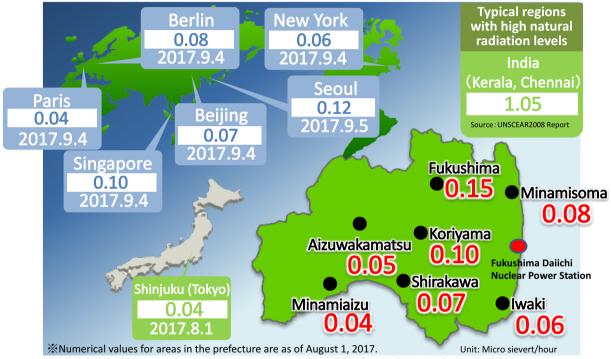
Reconstruction and Recovery of Fukushima: Status of the Areas under Evacuation Orders ②

By April 1, 2017, evacuation orders were lifted for Tamura City, Naraha Town, Kawauchi Village, Katsurao Village, Minamisoma City, Iitate Village, Kawamata Town, Namie Town and Tomioka Town, which are Preparation areas for lift of evacuation order and Habitation restricted areas.



Current State of Air Dose Rates within Fukushima: Comparisons with Other Parts of the World

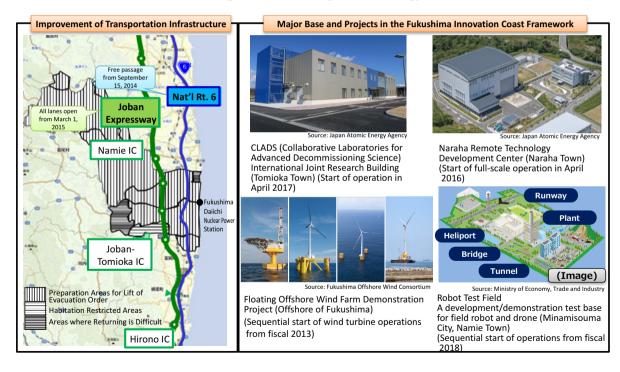
• The air dose rate in Fukushima Prefecture is about the same level as other major cities overseas.



Source: Created by the Reconstruction Agency based on Fukushima Prefecture "Steps for Revitalization in Fukushima (20th)",
Nuclear Regulation Authority Radiation monitoring information, Japan National Tourism Organization, "Basic Information on Radiation Risk",
United States Environmental Protection Agency and Institut de radioprotection et de sûreté nucléaire (France).

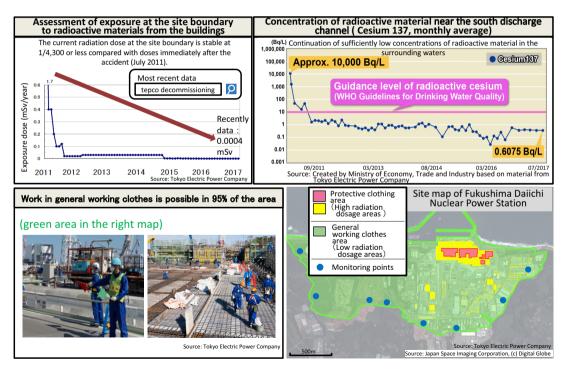
Improvement of Transportation Infrastructure in Areas under Evacuation Orders and Fukushima Innovation Coast Framework

- As of September 2014 and March 2015, traffic is permitted in all lanes on National Rt. 6 and the Joban Expressway, respectively. In addition, the JR Joban Line is expected to be fully opened by the end of fiscal 2019.
- Fukushima Innovation Coast Framework is in progress toward the building of a new industrial base in the Hamadori area etc. with decommissioning, robot technologies, and energy, etc.



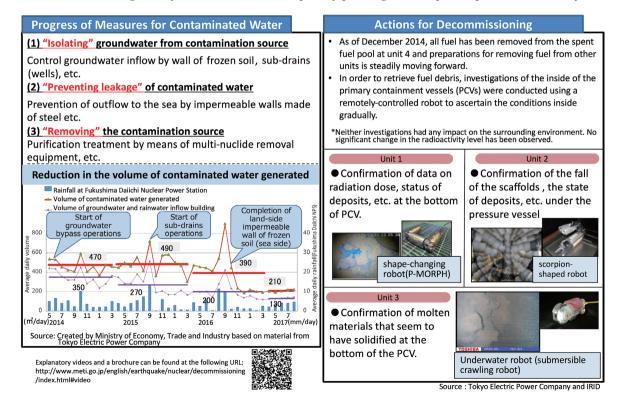
Current Status of Fukushima Daiichi Nuclear Power Station

- Monitoring of parameters, such as reactor temperatures, and checking that stable conditions are being maintained.
- The environment has been improved and impacts on the site and surrounding areas have been significantly reduced.



Efforts for Decommissioning and Contaminated Water Management at Fukushima Daiichi Nuclear Power Station

• The contaminated water measures and decommissioning of the reactors at the Fukushima Daiichi Nuclear Power Station have been making steady strides towards completely phasing out the power plant in 30 to 40 years.



Adoption of the World's Strictest Level of Standard Limits as Set in Scientific Basis

• Food safety is ensured through a thorough inspection of radioactive substances based on the strictest level of standard limits in the world as set in scientific basis.

(Unit: Bq/kg)

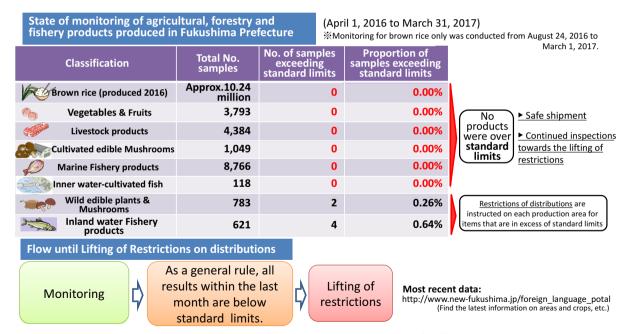
Japan Standard Limits under Food Sanitation Act		E U Council Regulation (Euratom) 2016/52		USA CPG Sec. 560.750 Radionuclides in Imported Foods - Levels of Concern		CODEX STAN 193-1995	
Drinking Water Milk Infant Foods General Foods	10 50 50 100	Drinking Water Dairy Products Infant Foods General Foods	1,000 1,000 400 1,250	All Foods	1,200	Infant foods General Foods	1,000 1,000

^{**}Standard Limits in the above table are used to make radiation doses received be below a certain level and are not necessarily the boundaries between safety and danger.

Source: Created by the Reconstruction Agency based on material from Ministry of Health, Labour and Welfare

Initiatives for the Safety and Security of Food in Fukushima Prefecture

- Announcement of results of thorough monitoring of agriculture, forestry, and fishery products prior to shipment.
- Significant reduction of products that exceed standard limits (100Bq/kg) in recent years, in comparison to immediately after the disaster.
- Shipments of products that exceed standard limits are restricted. Products on the market are safe.
- The lifting of restrictions on distributions is carried out on the basis of strict criteria.



Source: Created by the Reconstruction Agency based on Fukushima Prefecture "Steps for Revitalization in Fukushima (20th)" and website "Towards a new future of Fukushima".

Initiatives for Inspections of All Bags of Rice in Fukushima Prefecture

- The world's first inspections for radioactive substances have been carried out on all bags of rice since 2012.
- Results of inspections on rice produced since 2015 show that all bags of rice are within the standard limit (100Bq/kg).



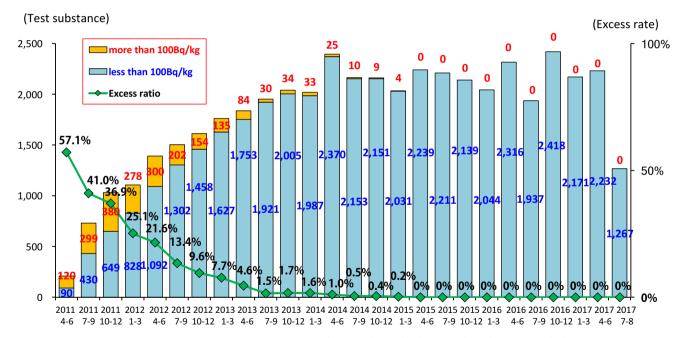


Evaluation of monitoring, etc. by IAEA (Excerpts from IAEA report (October 2016))

- Measurements of cesium radionuclide levels in foodstuffs, together with appropriate regulatory action and the publication of monitoring results, are helping to maintain confidence in the safety of the food supply.
- Food restrictions continue to be revised and updated as necessary in line with the results of food sampling and monitoring. This indicates the continued vigilance of the authorities in Japan and their commitment to protecting consumers and trade.
- •Based on the information that has been made available, the Joint FAO/IAEA Division understands that the measures taken to monitor and respond to issues regarding radionuclide contamination of food are appropriate, and that the food supply chain is controlled effectively by the relevant authorities.

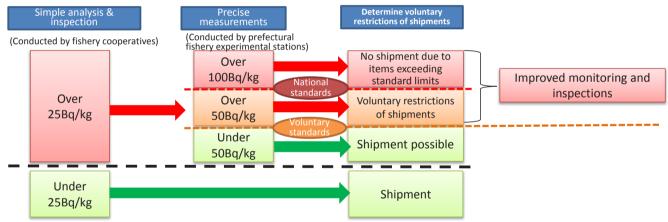
Results of Surveys of Marine Fishery Products in Fukushima Prefecture

• Between April and June 2011 immediately after the disaster, the percentage of marine fishery products in Fukushima Prefecture that exceeded the standard limit (100Bq/kg) was 57.1%. This percentage has continued to decline, and has fallen to 0% since April 2015.



Voluntary Testing of Marine Fishery Products in Fukushima Prefecture

- Voluntary restrictions of fishing operations and implementation of test operations and sales* in Fukushima Prefecture.
- Restrictions on distributions are imposed upon items that exceed the standard limit to ensure the safety of marine fishery products reaching consumers.
- Fishery cooperatives give due attention to safety and security by conducting voluntary inspections based on voluntary standard limits (50Bq/kg) that are stricter than national standards.
- *Test operations and sales: As a result of inspections of radioactive substances in marine fishery products during voluntary restrictions since March 2011, operations and sales in ocean areas and fish species that are stably below standard limits are being conducted on a trial basis.



Source: Created by Reconstruction Agency based on Fukushima Prefectural website

Evaluation of monitoring by the IAEA (Excerpt from IAEA report (February 2014))

Japan adopted a limit of 100 Bq/kg in combined Cs-134 and Cs-137 for food products in 2012, which also applies for marine fishery products, to keep public dose below the international standard level. Accordingly, the comprehensive monitoring system has been developed by Japan, both for seawater and for the products in the food chain. Additionally, Japan has introduced limits for food controls that are based on the international standard level. This systematic approach, together with the distribution restrictions by relevant local governments, ensures the safety of the marine fishery products in the market.



Reconstruction Agency

New Stage towards Reconstruction & Revitalization

