

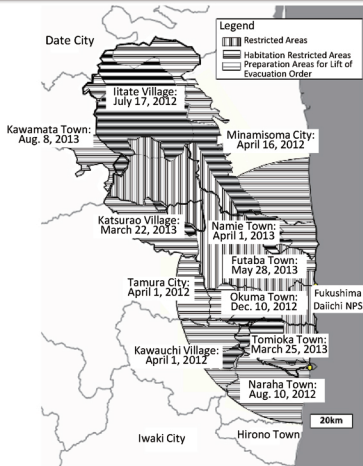
Designation of Areas under Evacuation Orders



As of April 22, 2011

(when the designation of areas immediately
after the accident was completed)

Prepared based on the 15th meeting of the Nuclear Emergency Response Headquarters (May 17, 2011) and the 31st meeting of the Nuclear Emergency Response Headquarters (August 7, 2013), etc.



As of August 2013

(when the review of areas was completed)

* Dates in the parentheses are the dates on which the designation after the review was put into effect, respectively.

Designation of Restricted Areas and Areas under Evacuation Orders and Removal Thereof

April 22, 2011, onward Area designation immediately after accident	April 2012, onward After confirming cold shutdown of the reactors
Restricted Areas^(*1) Areas within 20 km in radius from the Nuclear Power Station (NPS); The relevant areas were designated as Areas under Evacuation Orders on March 12, 2011.	Preparation Areas for Lift of Evacuation Order Areas where it is confirmed that annual cumulative doses will surely become 20 mSv or lower ^(*2)
Deliberate Evacuation Areas Areas 20 km or farther from the NPS where cumulative doses would be highly likely to exceed 20 mSv within one year after the accident	Habitation Restricted Areas Areas where annual cumulative doses would be highly likely to exceed 20 mSv ^(*2)
Evacuation-Prepared Areas in Case of Emergency Areas within 20 km to 30 km in radius from the NPS other than Deliberate Evacuation Areas; The relevant areas were designated as In-house Evacuation Areas on March 12, 2011.	Restricted Areas^(*3) Areas where annual cumulative doses exceed 50 mSv ^(*2) at present and would be highly likely to remain above 20 mSv ^(*2) even after 6 years from the accident

Areas under Evacuation Orders:

Areas for which evacuation orders were issued based on Article 15, paragraph (3) of the Act on Special Measures Concerning Nuclear Emergency Preparedness; Areas under Evacuation Orders and the 20-km zone of the Nuclear Power Station were rearranged and were newly designated as Preparation Areas for Lift of Evacuation Order, Habitation Restricted Areas or Restricted Areas.

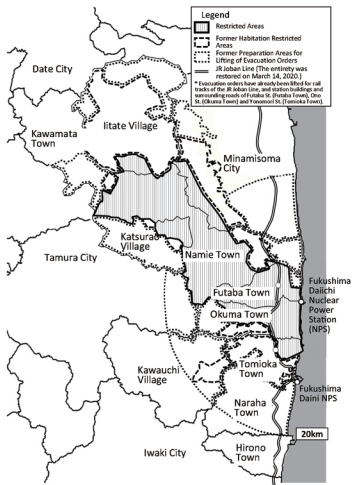
(*1) Areas where access is restricted pursuant to the provisions of Article 63, paragraph (1) of the Disaster Countermeasures Basic Act as applied pursuant to Article 28, paragraph (2) of the Act on Special Measures Concerning Nuclear Emergency Preparedness, following the deemed replacement of terms

(*2) Based on the dose data obtained through the 4th airborne monitoring survey after correction as of March 31, 2012

(*3) The term "Areas where returning is difficult" was formerly used instead of "Restricted Areas" as a literal translation from Japanese.

Removal of the Designation of Areas under Evacuation Orders

○ Removal of the designation as Areas under Evacuation Orders for respective municipalities



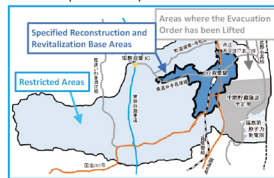
April 1, 2014	Tamura City	Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
October 1	Kawauchi Village	Removal of the designation of Preparation Areas for Lifting of Evacuation Orders Shift from Habitation Restricted Areas to Preparation Areas for Lift of Evacuation Order
September 5, 2015	Naraha Town	Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
June 12, 2016	Katsurao Village	Removal of the designation of Habitation Restricted Areas Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
June 14	Kawauchi Village	Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
July 12	Minamisoma City	Removal of the designation of Habitation Restricted Areas Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
March 31, 2017	Iitate Village, Kawamata Town, Namie Town	Removal of the designation of Habitation Restricted Areas Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
April 1	Tomioka Town	Removal of the designation of Habitation Restricted Areas Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
April 10, 2019	Okuma Town	Removal of the designation of Habitation Restricted Areas Removal of the designation of Preparation Areas for Lifting of Evacuation Orders
March 4, 2020	Futaba Town	Removal of the designation of Preparation Areas for Lifting of Evacuation Orders Removal at some areas near Futaba St.
March 5	Okuma Town	Removal at some areas near Ono St.
March 10	Tomioka Town	Removal at some areas near Yonomori St.

Development of Specified Reconstruction and Revitalization Base Areas and Radiological Protection Measures Therefor

[Approval of Plans for Specified Reconstruction and Revitalization Base Areas and Targeted Timing for Lifting Evacuation Orders]

Municipality name	Approval date	Targeted timing for lifting evaluation orders
Futaba Town	Sep. 15, 2017	Around spring of 2022
Okuma Town	Nov. 10, 2017	By around spring of 2022
Namie Town	Dec. 22, 2017	March 2023
Tomioka Town	Mar. 9, 2018	Around spring of 2023
Iitate Village	Apr. 20, 2018	Around spring of 2023
Katsurao Village	May 11, 2018	By around spring of 2022

Example of a Specified Reconstruction and Revitalization Base Areas (Futaba Town)



"Specified Reconstruction and Revitalization Base Area Reconstruction and Revitalization Plan" by the Reconstruction Agency

<https://www.reconstruction.go.jp/topics/main-cat1/sub-cat1-4/saiseikyoten/20170913162153.html> (in Japanese)

"Radiological Protection Measures at Specified Reconstruction and Revitalization Base Areas"

(Dec. 12, 2018, by the Cabinet Office's Support Team for Residents Affected by Nuclear Incidents, the Reconstruction Agency, the Ministry of the Environment, and the Secretariat of the Nuclear Regulation Authority)

As Specified Reconstruction and Revitalization Base Areas are areas where entries have been strictly restricted as Restricted Areas, required measures are to reduce residents' exposure doses and meticulously respond to their worries over radiation.

Under this concept, radiological protection measures should be taken in two stages, the first stage to make preparations for returning and rebuild communities ahead of the lifting of the evacuation order and the second stage to achieve the lifting of the evacuation order for further accelerating related initiatives.

Prepared based on the "Radiological Protection Measures at Specified Reconstruction and Revitalization Base Areas" (2018) by the Cabinet Office's Support Team for Residents Affected by Nuclear Incidents, the Reconstruction Agency, the Ministry of the Environment, and the Secretariat of the Nuclear Regulation Authority and the "Toward the Lifting of Evacuation Orders and Returning and Inhabitation of Residents for Specified Reconstruction and Revitalization Base Areas" (2018) by the Nuclear Emergency Response Headquarters

Demolition of Houses and other Buildings and Decontamination in Specified Reconstruction and Revitalization Base Areas

- Works to demolish houses and other buildings and decontamination work have commenced in all of the six towns and villages (Futaba Town, Okuma Town, Namie Town, Tomioka Town, Iitate Village and Katsurao Village). Works have been completed for station squares, kindergartens, gymnasiums and other public facilities. Efforts to restore the environment are thus steadily progressing.
- Ahead of the full reopening of the Japan Railway (JR) Joban Line on March 14, 2020, evacuation orders were lifted partially for some of the Specified Reconstruction and Revitalization Base Areas (on March 4 for Futaba Town, on March 5 for Okuma Town, and on March 10 for Tomioka Town) in advance of other areas.
- In Specified Reconstruction and Revitalization Base Areas, **decontamination has been completed for over 70%, and the demolition of houses and other buildings has been completed for approximately 79% out of the total number of applications** (as of the end of December 2020).

The square
in front of
Yonomori
Station, etc.
(Tomioka
Town)



Before



Under decontamination



After

Futaba
Town
Gymnasium
(Futaba
Town)



Before



Under demolition



After

Fukushima Innovation Coast Framework

- The framework aiming to **create new industries** in Hamadori District for the purpose of industrial revitalization of the district
- The "**Fukushima Innovation Coast Promotion Organization**" (since July 2017; President: Saito Tamotsu (Senior Advisor, IHI)), the national government, Fukushima Prefecture, and municipalities are cooperatively carrying out activities for such purposes as forming industrial clusters, providing education and fostering human resources, increasing the number of visitors, and providing information, while placing the focus on **six priority fields**.

Six priority fields

Decommissioning

Technology development calling for wisdom domestically and internationally



Naraha Center for Remote Control Technology Development where demonstration tests necessary for decommissioning work, etc. are being conducted

Robots and drones

Accumulation of the robot industry centered on the **Fukushima Robot Testing Field**

Fukushima Robot Testing Field that simulates an environment for using field robots on land, at sea and in the air



Medical field

Cultivation of companies' sales channels through support for technology development

Fukushima Medical Device Development Support Centre



Energy, environment and recycling-related field

Establishment of cutting-edge renewable energy recycling technology



Promotion of the introduction of renewable energy
Manyo no Sato Wind Farm in Minamisoma

Agriculture, forestry and fisheries industry

Revitalization of the agriculture, forestry and fisheries industry by the use of ICT and robot technology

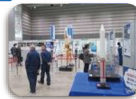
Creation of a new agricultural model by the use of ICT
Demonstration of driverless tractors



Aerospace

Demonstration of a flying vehicle and invitation of related companies

Aerospace Festa Fukushima



Fukushima Innovation Coast Promotion Organization, national government, Fukushima Prefecture, municipalities, etc.

Industrial clusters

- Top-level activities to invite companies and support matching
- Support for construction of plants and development of new products

Education and human resources development

- Holding of classes to foster human resources in collaboration with educational institutions

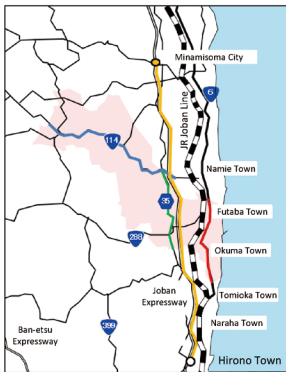
Increase of the number of visitors

- Creation of new attractions jointly with local communities

Information provision

- Opening of the Great East Japan Earthquake and Nuclear Disaster Memorial Museum and holding of symposiums

Traffic on Major Roads in Restricted Areas



- **Joban Expressway**: The entirety was restored in March 2015.

Source: https://www.e-nexco.co.jp/en/pressroom/head_office/2014/1225/00006647.html

- **JR Joban Line**: The entirety was restored in March 2020.

Source: https://www.jreast.co.jp/press/2019/20200117_ho01.pdf (in Japanese)

- **National roads and prefectural roads**: Transit without carrying and presenting a pass came to be permitted for National Road 6 from September 2014, for National Road 114 from September 2017, and for Prefectural Road 35 from September 2019.

Exposure doses of drivers passing through					
Dose survey period		November 2018 to January 2019	August 2017	November to December 2019	
Section		Japan Expressway: between Hirono IC and Minamisoma IC	National Road 114: between the border of Kawamata Town and Namie IC	National Road 6: in Restricted Areas	Prefectural Road 35: in Restricted Areas
Exposure dose while passing through (μSv)	Automobiles	0.28	1.01	0.39	0.51
	Motorcycles	0.34	-	0.49	0.63

Reference) Exposure dose during a round flight between Tokyo and New York: approx. 80 to 110 μSv

Source: Prepared by the Support Team for Residents Affected by Nuclear Incidents based on the "Results of Radiation Dose Surveys in Restricted Areas along National Roads 114, 399 and 459 and Prefectural Roads 49 and 34" (September 15, 2017), the "Results of Radiation Dose Surveys in Restricted Areas along National Roads 6 and 114 and Prefectural Roads 34, 35, 36, 253 and 256" (January 30, 2020), and NEXCO East's website (<https://jobando.jp/hibakusenryo/hibakuryo.html>) (in Japanese))