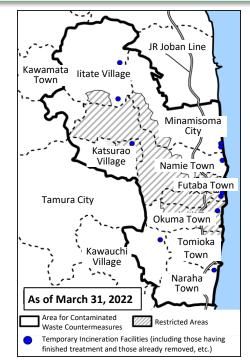
Waste to be Treated by the National Government under the Act on **Special Measures Concerning the Handling of Environment Pollution** by Radioactive Materials

(i) Waste from the countermeasure area

- Contaminated waste from the countermeasure area* designated by the Minister of the Environment that satisfies certain requirements
- * An area that satisfies certain requirements, such that it is found that waste located in that area is likely to be contaminated to the extent requiring special management
- (= municipalities containing former Restricted Areas and former Deliberate Evacuation Areas)
- <Examples of waste from the countermeasure area>
- Debris due to the earthquake and the tsunami
- Waste from demolition of houses, etc.

(ii) Designated waste

- Waste contaminated with radioactive materials derived from the accident whose radioactivity concentration is found to exceed 8,000 Bq/kg and which is designated* by the Minister of the Environment
- * In light of the survey results concerning contamination status of incinerated ash at incineration facilities and based on applications filed by possessors of waste, the Minister of the Environment makes a designation when radioactivity concentration of waste is found to exceed 8,000 Bg/kg
- <Examples of designated waste>
- Incinerated ash
- Agricultural and forestry waste (rice straw, compost), etc.



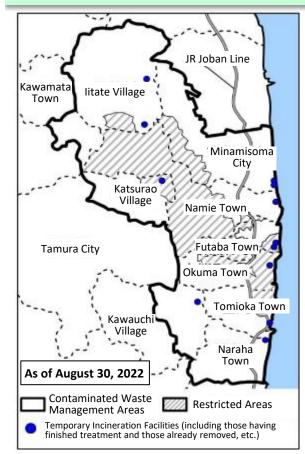


Incinerated ash

by-products (rice straw

 \Rightarrow The national government takes charge of the treatment of waste from the countermeasure area and designated waste

Progress of Disposal of Disaster Waste Directly Governed by the National Government in Designated Areas in Fukushima Prefecture





Disaster waste has been disposed of based on the Treatment Plan on Waste within the Management Areas (partial revision on December 26, 2013).

[Amount of Waste within the Management Areas having been transported to Temporary Storage Sites]

 As of the end of November 2023, a total of approx. 3.39 million tons of waste had been transported to Temporary Storage Sites (of which, approx. 580,000 tons were incinerated, approx. 2,350,000 tons were recycled).

[Removal of tsunami rubble]

○ Tsunami rubble in former Restricted Areas was all transported to Temporary Storage Sites in March 2016, except for such rubble left in Restricted Areas.

[Installation of Temporary Incineration Facilities]

In operation	Namie Town, Okuma Town, Futaba Town i and Futaba Town ii
Completion of operation	Kawauchi Village, litate Village (Komiya district), Tomioka Town, Minamisoma City i, Minamisoma City ii, Katsurao Village, litate Village (Warabidaira district), and Naraha Town

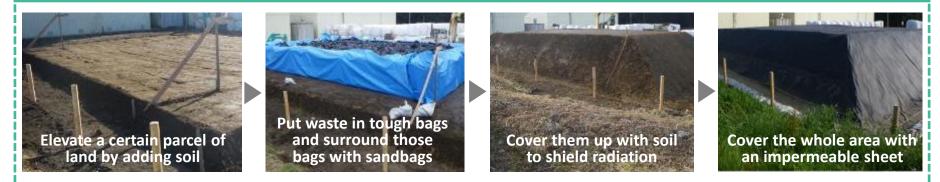
*Tamura City and Kawamata Town use existing waste disposal facilities for disposing of disaster waste.



Demolition of a damaged house, etc.

Ensuring Safety for Temporary Storage of Designated Waste

Temporary storage work (in the case of agricultural and forestry waste)

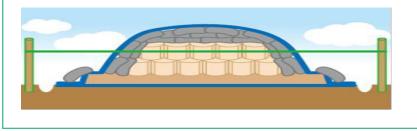


Structure of a Temporary Storage Site (in the case of agricultural and forestry waste)

- Take measures to prevent scattering and runoff of waste
- Take required measures against radiation (isolation or shielding using sandbags, etc.)

Waste

• Take measures to prevent infiltration of rainwater using impermeable sheet, etc.



Checking of storage status

The status of storage at Temporary Storage Sites is to be checked to ensure that designated waste is properly stored in compliance with the standards, etc. specified in the Act on Special Measures.

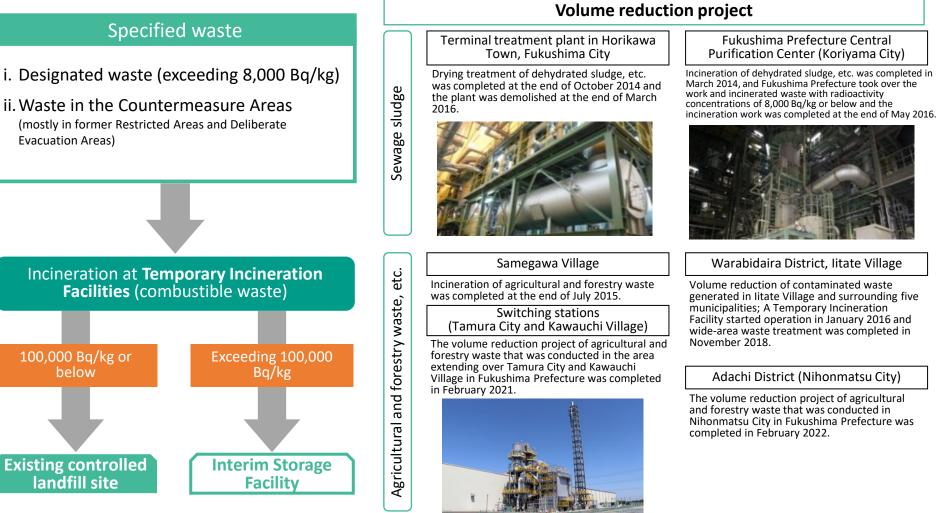


Staff of the Regional Environmental Office checking the storage status

Prepared based on the website, "Information on Disposal of Radioactive Waste," of the Ministry of the Environment, etc.

Waste Procedures for Disposal of Designated Waste in Fukushima Prefecture

- The Ministry of the Environment has been carrying out a program to reduce volume and stabilize properties of designated waste through incineration and drying, etc.
- With regard to designated waste generated in Fukushima Prefecture, waste with radioactivity concentrations exceeding 8,000 Bq/kg but 100,000 Bq/kg or below is to be transported to the existing controlled landfill site, while waste with radioactivity concentrations exceeding 100,000 Bq/kg is to be transported to the Interim Storage Facility.



Landfill Disposal of Specified Waste at Controlled Landfill Site

- O In the specified waste landfill project, transportation of specified waste was commenced on November 17, 2017, and was completed on October 31, 2023.
- O At the Clean Center Futaba, transportation of specified waste was commenced on June 1, 2023.

Developments concerning the Specified Waste Landfill Facility	Waste to be landfilled and duration of waste transport
Opec. 14, 2013: The national government asked Fukushima Prefecture, Tomioka Town, and Naraha Town for consent to accept the construction	[Waste to be landfilled] (* Waste with radioactivity concentrations not
of the site.	exceeding 100,000 Bq/kg) OWaste from the countermeasure area
ODec. 4, 2015: Fukushima Prefecture, Tomioka Town, and Naraha Town expressed their intention to approve the program.	 Designated waste in Fukushima Prefecture Household waste from 8 Futaba County municipalities
OApr. 18, 2016: Specified Waste Landfill Facility (former Fukushima Eco Tech Clean Center) was nationalized.	
	[Duration of waste transport] OWaste from the countermeasure area and
○Jun. 27, 2016: The national government concluded a safety agreement with Fukushima Prefecture and the two municipalities.	designated waste in Fukushima Prefecture: Approx. 6 years
Nov. 17, 2017 : Transport of waste was commenced.	(Completed at the end of October 2023) OHousehold waste from 8 Futaba County
Oct. 31, 2023: Transportation of specified waste was completed.	municipalities: Approx. 10 years
Developments concerning the Clean Center Futaba	Waste to be landfilled and duration of waste transport
OAug. 5, 2019: The MOE concluded a basic agreement with the Futaba District Broader Municipality Association and Fukushima Prefecture.	[Waste to be landfilled] (* Waste with radioactivity concentrations not exceeding 100,000 Bq/kg) ○Household waste from 8 Futaba County municipalities ○Industrial waste and general waste from business activities generated in
 Aug. 5, 2019: The MOE concluded a basic agreement with the Futaba District Broader Municipality Association and Fukushima Prefecture. Aug. 7, 2020: The MOE concluded an implementation agreement with the Futaba District Broader Municipality Association. 	exceeding 100,000 Bq/kg)
	 exceeding 100,000 Bq/kg) Household waste from 8 Futaba County municipalities Industrial waste and general waste from business activities generated in association with infrastructure development activities in Futaba County Specified waste generated in association with demolition of damaged buildings, etc. in Specified Reconstruction and Revitalization Base Areas [Duration of waste transport]
○Aug. 7, 2020: The MOE concluded an implementation agreement with the Futaba District Broader Municipality Association.	 exceeding 100,000 Bq/kg) Household waste from 8 Futaba County municipalities Industrial waste and general waste from business activities generated in association with infrastructure development activities in Futaba County Specified waste generated in association with demolition of damaged buildings, etc. in Specified Reconstruction and Revitalization Base Areas Clean Center Futaba

Status of the Five Prefectures concerning Designated Waste

Miyagi Prefecture

[Municipal mayors' conference]

1st to 4th: Oct. 2012 to Nov. 2013

5th: Jan. 20, 2014

→ Three candidate sites for detailed survey were presented (Fukayamadake, Kurihara City; Shimohara, Taiwa-cho; Tashirodake, Kami Town).

6th: Jul. 25, 2014

→ Minister of the Environment ISHIHARA attended the conference and asked again for residents' understanding on the implementation of detailed surveys.

7th (held by the prefecture): Aug. 4, 2014 \rightarrow The prefectural governor announced the acceptance of a detailed survey as a consensus of all municipal mayors.

Detailed surveys were commenced at the three candidate sites in August 2014. However, an on-site survey was not possible due to protests by Kami Town (also suspended in 2015).

Apr. 5. May 29. and Oct 13. 2015: Forum targeting prefectural residents

Oct. to Nov. 2015 (twice): Opinion exchange with Kami Town with the participation of experts

8th: Dec. 13. 2015

 \rightarrow The developments concerning detailed surveys were explained and views were exchanged.

9th Mar 19 2016

- \rightarrow Results of the remeasurement for designated waste and approaches of the Ministry of the Environment were explained.
- Apr. 15, 2016: The prefecture requested the suspension of an on-site survey until certain prefectural policy is decided.
- 10th (held by the prefecture): May 27, 2016
- \rightarrow The prefecture presented its draft policy on disposal of waste with radioactivity concentrations not exceeding 8,000 Bq/kg (excluding designated waste).
- 11th (held by the prefecture): Nov. 3, 2016 \rightarrow Results of the measurement for waste other than designated waste were released. The prefecture presented its draft policy on disposal of waste with radioactivity concentrations not exceeding 8,000 Bg/kg (excluding designated waste).
- 12th (held by the prefecture): Dec. 27, 2016
- → Agreement on the prefectural disposal policy was not obtained from Kurihara City and Tome City, and it was decided to have discussions again.

13th (held by the prefecture): Jun. 18, 2017

 \rightarrow The prefecture presented its new draft disposal policies such as to require each district to independently treat contaminated waste generated therein.

14th (held by the prefecture): Jul. 15, 2017

at the previous meeting.

Test incineration was completed in four districts, Ishinomaki, Sennan, Kurokawa and Osaki, → Ishinomaki: Full-fledged incineration was completed.: Kurokawa: Completed with the application to farmland;

provisional storage site completed in Sep. 2022.)

May 15, 2023 Ohtawara City decided to establish a provisional storage site.

Forum targeting prefectural residents Oct. 14, 2015: Survey of the effects of the heavy rain in Terashimairi, Shioya Town Dec 7 2015 The mayor of Shioya Town declared the surrender of the

designation as a candidate site for detailed survey. 7th: May 23, 2016

Tochigi Prefecture

[Municipal mayors' conference]

 \rightarrow One candidate site for detailed survey was presented

1st to 3rd: Apr. 2013 to Aug. 2013

→ Selection method was determined.

(Terashimairi, Shioya Town).

May 14, Jun. 22, and Sep. 13, 2015:

5th and 6th: Jul. 2014 to Nov. 2014

4th: Dec. 24, 2013

Jul. 30. 2014

- → Remeasurement for designated waste was decided. 8th: Oct. 17, 2016
- → Results of the remeasurement were released and future directions were presented. Mar. 30, 2017: Results of the confirmation of intentions of

people temporarily storing waste by themselves were released

[Meeting of mayors of municipalities concerning measures to ease burdens of farm households storing waste by themselves] 1st: Jul. 10, 2017

- → Draft of policy for measures to ease burdens of farm households storing waste by themselves were presented.
- 2nd: Nov. 26, 2018 \rightarrow Agreement was reached on efforts to muster opinions of municipalities, including those on remeasurement.

Mar. 19, 2019: Results of the remeasurement was released. 3rd: Jun. 26. 2020

 \rightarrow Participants confirmed future directions.

Jun. 2, 2021: The Ministry of the Environment asked Nasushiobara City to cooperate in provisional centralized collection of waste (Oct. 22, 2021: The transport of designated waste having been stored by individual farm households was started in the city. Provisional centralized collection was completed in Mar. 2023.)

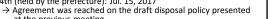
Mar. 24, 2022: Nasu Town decided on the site for a

Apr. 13, 2022 Nikko City decided to establish a provisional storage site. (Provisional centralized storage was

Chiba City.

Efforts are to be made continuously to seek

agreement on detailed surveys.



Efforts are to be made continuously to seek agreement on detailed surveys and make adjustments with the prefecture and municipalities storing waste regarding measures to ease the burden on farm households storing waste by themselves and also conduct Sennan and Osaki: Full-fledged incineration is underway. provisional centralized storage of waste.

Chiba Prefecture	Ibaraki Prefecture	Gunma Prefe
[Municipal mayors' conference] 1st to 3rd: Apr. 2013 to Jan.	[Municipal mayors' conference]	[Municipal mayor conference]
2014	1st: Apr. 12, 2013	1st: Apr. 19, 2013
4th: Apr. 17, 2014 \rightarrow Selection method was	2nd: Jun. 27, 2013	2nd: Jul. 2013
determined.	3rd: Dec. 25, 2013 4th: Jan. 28, 2015	3rd: Dec. 26, 2016
 Apr. 24, 2015 → One candidate site for detailed survey was presented. (Part of the premises of TEPCO's Chiba Thermal Power Station (Chuo Ward, Chiba City)) 	[Meeting of mayors of municipalities where waste is temporarily stored] 1st: Apr. 6, 2015	→ The policy to co on-site storage ar promote staged d was determined.
May 20 and Jun. 2, 2015:	2nd: Feb. 4, 2016	
Chiba City Assembly Plenary Meeting	→ The policy to continue on-site storage and	
Jun. 8 and Jun. 10, 2015: Chiba City Assembly and the city mayor requested fresh discussions.	promote staged disposal was determined.	
Jun. 29, Jul. 7, 13 and 20, and Aug. 7, 2015: Explanations were given to community organization leaders and residents of Chiba City.	Mar. 31, 2017: Remeasurement for designated waste, etc. in the prefecture was conducted and the results were released.	
Dec. 14, 2015: Response to the request for fresh discussions was made.		
Jun. 28, 2016: Chiba City requested for rescission of the designation.		
Jul. 22, 2016: Designation was rescinded for designated waste in		

Gunma Prefecture

[Municipal mayors' conference] 1st: Apr. 19, 2013 2nd: Jul. 2013 3rd: Dec. 26, 2016 \rightarrow The policy to continue on-site storage and promote staged disposal

Prepared by the Ministry of the Environment