

# Progress on treatment of debris from the Great East Japan Earthquake

## 3 most affected prefectures (excludes Evacuation Area)

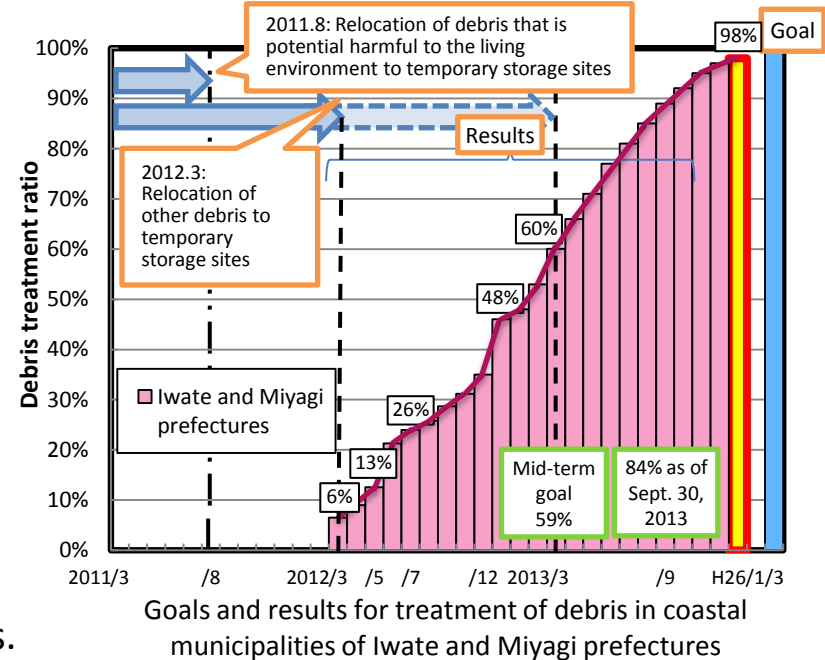
### (1) Debris

- Progress in treatment of debris is as follows.  
Iwate: 97%, Miyagi: 99%, Fukushima: 68%  
(Total for 3 prefectures: 95%)
- In Tanohata village, Iwaizumi town and Kamaishi city, the treatment of debris is finished. In Shinchi town and Soma city, the treatment ratio of debris is over 80%.
- Treatment is progressing steadily. The treatment ratio is more than 90% in other coastal municipalities which account for approximately 94% of the total debris.

### (2) Tsunami deposits

- Progress in treatment of tsunami deposits is as follows.  
Iwate:93%, Miyagi: 98%, Fukushima: 44%  
(Total for 3 prefectures: 89%)
- Treatment is progressing steadily.

2014.2.21 Ministry of the Environment



## Treatment progress in coastal municipalities (as of Jan. 31, 2014)

	Estimated amount of debris and tsunami deposits (10000s tons)	Debris				Tsunami deposits				No. of temporary storage sites
		Estimated amount (10000s tons)	Treated		Expected treatment ratio (%)	Estimated amount (10000s tons)	Treated		Expected treatment ratio (%)	
			Amount (10000s tons)	Ratio (%)			Amount (10000s tons)	Ratio (%)		
Iwate	556	400	388(368)	97(96)	156	145(138)	93(90)	19	556	400
Miyagi	1,874	1,121	1,106(1,103)	99(98)	753	739(715)	98(95)	22	1,874	1,121
Fukushima	349	174	119(111)	68(64)	175	78(73)	44(42)	27	349	174
<b>Total</b>	<b>2,778</b>	<b>1,694</b>	<b>1,613(1,582)</b>	<b>95(94)</b>	<b>1,084</b>	<b>961(926)</b>	<b>89(86)</b>	<b>68</b>	<b>2,778</b>	<b>1,694</b>

\* Figures in ( ) are the results from December 31, 2013.

## Treatment in the disaster-affected areas

- 98% of debris has been removed to temporary storage sites, and removal has been completed at 22 municipalities (out of 32 coastal municipalities). The number of temporary storage sites has decreased to 68 (22% of the peak number). The remaining demolition and removal work is being carried out so that treatment will be completed by March 2014.
- 5 temporary incinerators and 11 sorting and shredding facilities are now operating in Iwate, Miyagi, and Fukushima prefectures. Treatment has finished at 29 temporary incinerators (\*1) and 13 sorting and shredding facilities (\*2).

\*1: All block of Miyagi pref., Sendai City

\*2: Noda town, All block of Miyagi pref., Sendai City

## Cooperation with debris treatment in areas not affected by the disaster

- Of the approximately 622 thousand tons which requires treatment outside the disaster-affected area, treatment of approximately 613 thousand tons (99%) has been completed.
- The number of treatment projects is 91 in 18 prefectures. Of these, 82 projects have completed treatment.
- Cooperation with debris treatment in areas not affected by the disaster by the Tokyo Metropolis has been finished. With the exception of the Tohoku region, Tokyo Metropolis accept the disaster debris the most.

## Recycling

- Approximately 85% of debris and nearly all of the tsunami deposits can be recycled.
- Materials recycled from debris are being used in public works projects by the national government and by the prefectural and municipal governments in disaster-affected areas.

## Approaches to achieving the goal

- For debris and tsunami deposits in Iwate and Miyagi prefectures, continue to carry out steady treatment, aiming to complete treatment as early as possible prior to the goal of March 2014.
- For debris and tsunami deposits in Fukushima Prefecture, complete removal to temporary storage sites by the end of March 2014, aiming to complete treatment as early as possible prior to the goal of the end of March 2015.



The temporary storage site clearing progress  
(Noda village, Iwate Prefecture)

Major public works projects using materials recycled from debris and tsunami deposits

	Project	Recycled material	Amount (including planned use)
Iwate	Coastal or river embankment restoration	Tsunami deposits Concrete debris	32
	Coastal disaster-prevention forest restoration	Tsunami deposits Concrete debris	16
	Agricultural field restoration	Tsunami deposits Concrete debris	86
	Park construction	Tsunami deposits Concrete debris	35
	Fishing port projects	Concrete debris	17
	Construction of temporary storage sites	Concrete debris	47
	Other projects	Tsunami deposits Concrete debris	77
Miyagi	Coastal or river embankment restoration	Tsunami deposits Concrete debris	97
	Coastal disaster-prevention forest restoration	Tsunami deposits Concrete debris	109
	Agricultural field restoration	Tsunami deposits	15
	Park construction	Tsunami deposits Concrete debris	262
	Fishing port projects	Concrete debris	30
	Construction of temporary storage sites	Tsunami deposits Concrete debris	89
	Other projects	Tsunami deposits Concrete debris	112
Fukushima	Coastal or river embankment restoration	Concrete debris	9
	Coastal disaster-prevention forest restoration	Concrete debris	9
	Park construction	Tsunami deposits	14
	Other	Concrete debris	16