

Electronic Manifest System for Industrial Waste in Japan

July 2023

Japan Industrial Waste Information Center

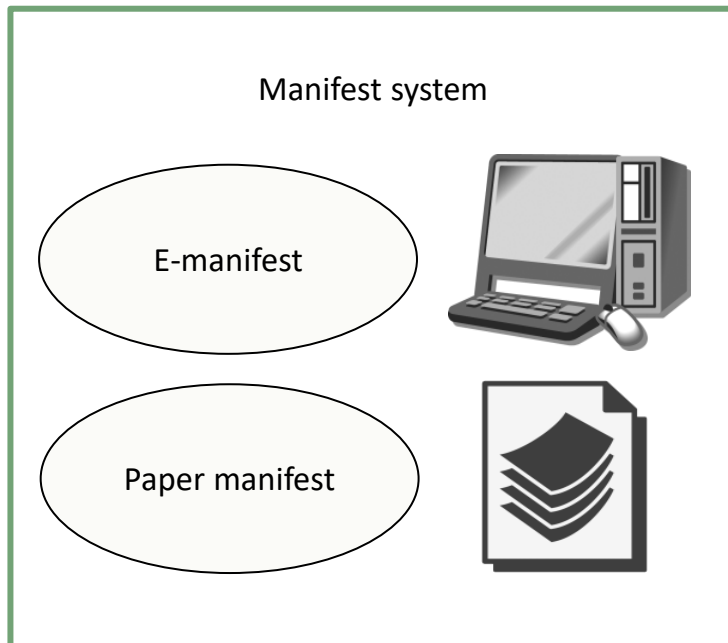


Contents

- The Manifest System for Industrial Waste Management
 - The Aim of the Manifest System
 - History of the Manifest System
- Outline of The E-Manifest System for Industrial Waste Management
 - The Operation of each Manifest System
 - Entries to Issue a Manifest
 - User Fees of E-Manifest
 - Effects of E-Manifest System
- Changes in the Past and Our Vision
 - Transition of Number of Subscribers and Registrations
 - Transition of Number of Registrations and Electronization Rate
 - Breakdown of Subscribing Generators and Registrations by Industrial Sector
 - Administrative System for Local Government
 - Our Vision

The Aim of the Manifest System

The manifest system aims to provide generators of industrial waste with further understanding of the steps involved with commissioned waste processing collection, transportation, and disposal agents and to prevent illegal dumping as the proper disposal of waste.



Waste subject to the manifest system

Waste		Municipal waste	Industrial waste
Disposal type	Self disposal	Not subject	Not subject
	Commissioned disposal	Not subject	Subject

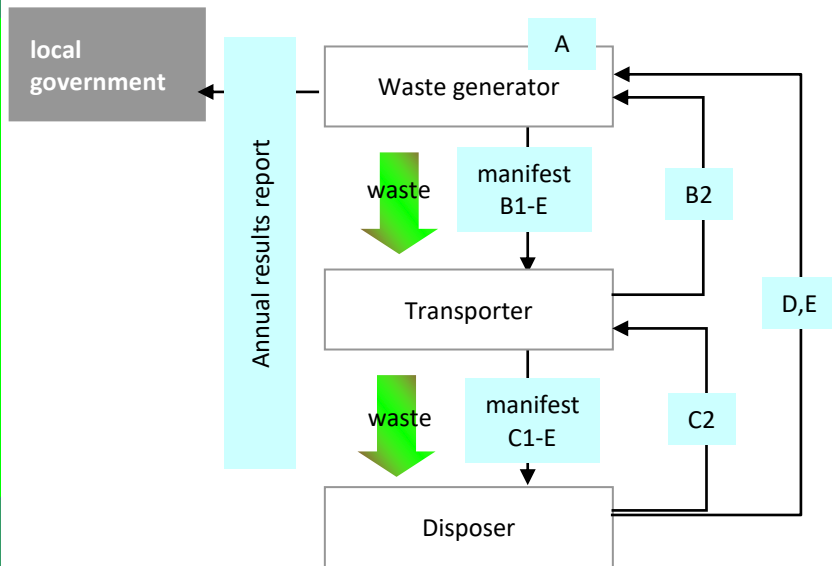
History of the Manifest System

1990	Manifest system was started as trial. The form was only paper type Manifest.
1993	The legal manifest system was started for only hazardous industrial waste.
1998	The legal manifest system was introduced for all kinds of industrial waste. The Electronic Manifest (e-manifest) system was introduced. <ul style="list-style-type: none">– Generators have to use either paper manifest or e-manifest.– Japan Industrial Waste Information Center (JW Center) was designated as Information Processing Center (IPC) by the Minister of Environment to operate the information system of e-manifest.
2001	The report of the final disposal confirmation was obligated using the manifest.
2005	The penal regulations corresponding to the manifest management were reinforced.
2010	The all generators have preservation duty of the paper manifest for 5 years.
2018	Penalties for misstatements are strengthened in manifests.
2020	Generators that discharge a large amount of specific industrial waste are obligated using e-manifests.

The Operation of Each Manifest System

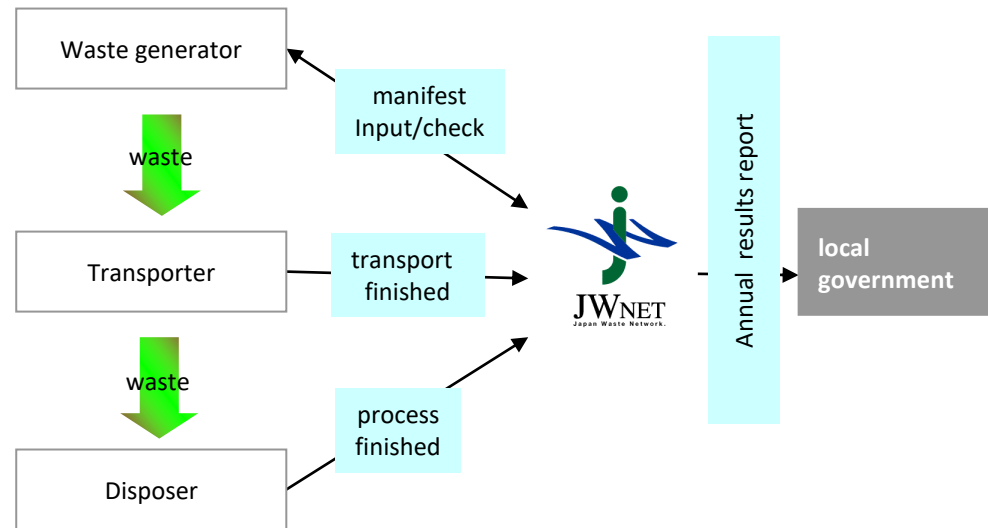
□ Paper manifest

Original (A) and six copies (B1, B2, C1, C2, D and E)



□ E-Manifest

The generator, the transporter, and the disposer (the intermediate or the final disposer) share manifest data via JWNET.



Entries to Issue a Manifest

電子マニフェストシステム (排出事業者) ヘルプ 閉じる

ver 3.7.05 加入者番号: 1101126 加入者名称: 受入環境川出07 ログイン時刻: 2018/03/01 17:56:16

新規登録

登録

Entry fields written in red are mandatory.

電子マニフェスト登録等状況報告から除外する場合は連絡番号3の先頭を「999」を入力してください

パターン選択

排出情報

引渡し日: 2018/03/01 (yyyy/MM/dd) 引渡し担当者: 引渡し1 登録担当者: [検索]

排出事業場名称: 排出事業場1 連絡番号1: [検索] 連絡番号2: [検索] 連絡番号3: [検索]

産業廃棄物情報

No.	編集	削除	産業廃棄物の種類	廃棄物の大分類	廃棄物の名称	産業廃棄物の数量	荷姿	荷姿の数量	数量の確定者	有害物質	放射性物質
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	廃プラスチック類	廃プラスチック類		10.000kg	コンテナ		排出事業者		

運搬情報

区間	編集	削除	自己	収集運搬業者	積替・保管施設	運搬方法	運搬担当者	車両番号	(再)自己	再委託収集運搬業者
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	株式会社受入環境川出207						

処分情報

処分業者 Disposer: 株式会社受入環境川出報告登録3107

処分事業場 Disposing place: [検索]

処分方法: 再生 中間 最終 (選択なし)

再委託先処分業者: [検索]

最終処分の場所

委託契約書記載のとおり 当欄指定のとおり

No.	削除	最終処分事業場	郵便番号	所在地	電話番号
	<input type="checkbox"/>				

備考

備考1: [] 備考2: []

備考3: [] 備考4: []

備考5: []

パターン名称: [] [登録内容をパターンに追加] [入力完了] [キャンセルして一覧画面へ]

続けて入力

▲ページトップ

User Fees of E-Manifest

□ Generators(tax included)

Category	A	B	C special price for parties
Basic charge (per annum)	26,400 JPY	1,980 JPY	100 JPY
Service charge (per issue)	11 JPY	22 JPY (≥ 91 issues)	22JPY (≥ 6 issues)

□ Transporters and Disposers (tax included)

Category	Transporter	Disposer		
		①	②	
			A	B
Basic charge (per annum)	13,200 JPY	13,200 JPY	26,400 JPY	13,200 JPY
Service charge (per issue)	—	—	11 JPY	22 JPY (≥ 91 issues)

Effects of E-Manifest System

- ❑ To prevent improper treatment of waste like illegal dumping
- ❑ To speed up in searching, retrieving and processing input data
- ❑ To reduce paper work burden and cost
- ❑ To enhance CSR (Corporate Social Responsibility)

照会結果一覧												
Nb	一括選択	登録の状態	確認期限	マニフェスト番号	Transportation	intermediate treatment	Final disposal	連絡番号1	連絡番号2	連絡番号3	引渡し日	廃棄物の
1	<input type="checkbox"/>	登録	Overdue	70005588182	●	●	●				2017/11/05	燃え殻
2	<input type="checkbox"/>	登録		70005588193	●	●	●				2017/11/06	燃え殻
3	<input type="checkbox"/>	登録	期限切れ	70005588205		●	●				2017/11/07	燃え殻
4	<input type="checkbox"/>	登録	間近	70005588216		●	●				2017/11/08	燃え殻
5	<input type="checkbox"/>	登録	Close	70005588227	●	●	●				2017/11/09	燃え殻
6	<input type="checkbox"/>	登録		70005588238	●	●	●				2017/11/10	燃え殻
7	<input type="checkbox"/>	登録		70005588249	●	●	●				2017/11/11	燃え殻
8	<input type="checkbox"/>	登録		70005588250		●	●				2017/11/12	燃え殻
9	<input type="checkbox"/>	登録		70005588261	●	●	●				2017/11/13	燃え殻
10	<input type="checkbox"/>	登録		70005588272	●	●					2017/11/14	燃え殻
11	<input type="checkbox"/>	登録		70005588283	●	●					2017/11/15	燃え殻
12	<input type="checkbox"/>	登録		70005588294	●	●	●				2017/11/16	水銀使用製

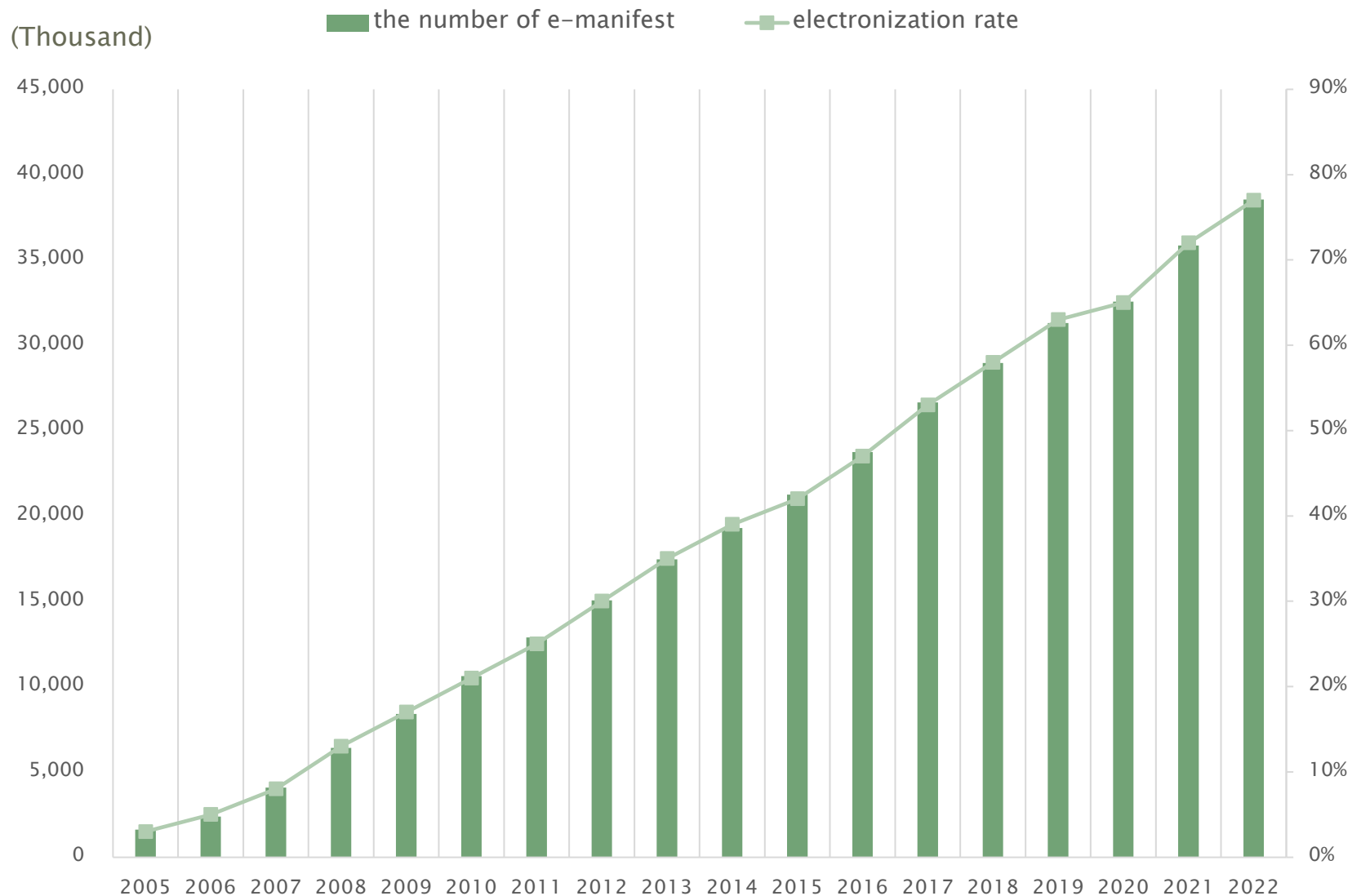
A warning will be displayed when each deadline is close or has passed.

“●” means each report has already done.

Transition of Number of Subscribers and Registrations

Fiscal Year	Total subscribers	Breakdown of subscribers			Annual Number of e-Manifests created	Share of e-Manifests
		Generator	Transporter	Disposer		
2010	72,761	57,837	9,388	5,536	10,614,066	21%
2011	79,155	62,443	10,673	6,039	12,882,074	25%
2012	89,015	70,792	11,720	6,503	15,056,116	30%
2013	110,860	90,857	13,005	6,998	17,460,912	35%
2014	121,745	100,137	14,210	7,398	19,293,458	39%
2015	141,441	118,069	15,543	7,829	21,247,609	42%
2016	173,500	148,492	16,826	8,182	23,748,382	47%
2017	192,253	165,398	18,309	8,546	26,648,875	53%
2018	220,010	191,583	19,581	8,846	28,964,671	58%
2019	240,099	209,923	21,063	9,113	31,304,330	63%
2020	271,587	239,435	22,738	9,414	32,555,470	65%
2021	304,128	270,091	24,384	9,653	35,845,687	72%
2022	308,160	272,038	26,227	9,895	38,534,164	77%

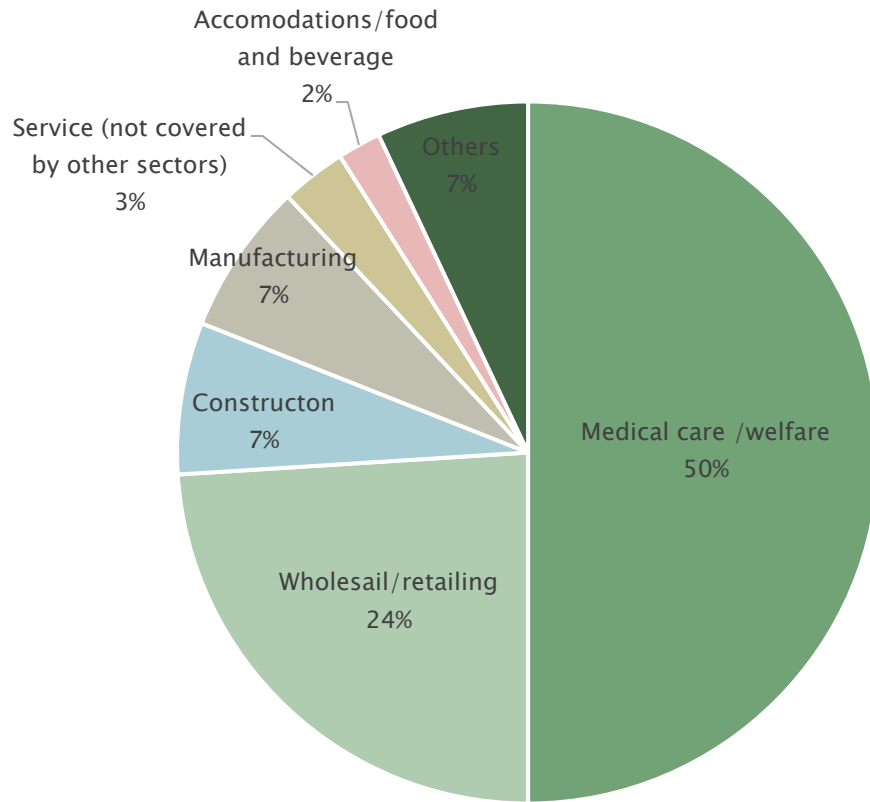
Transition of Number of Registrations and Electronization Rate



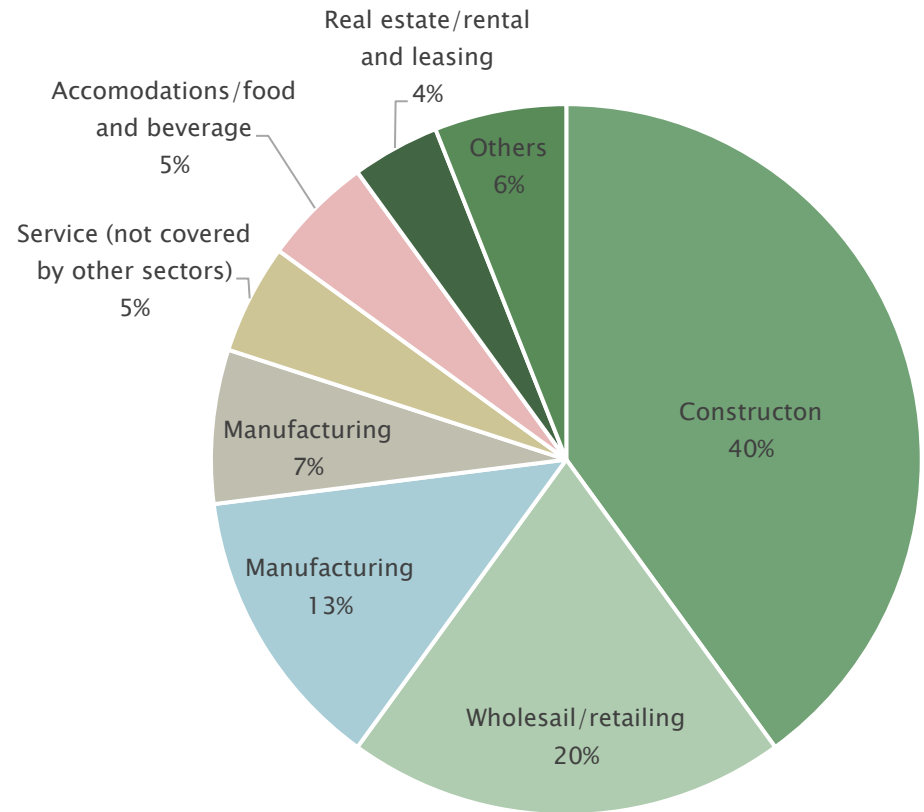
Breakdown of Subscribing Generators and Registrations by Industrial Sector

(as of March 31, 2023)

Waste generators

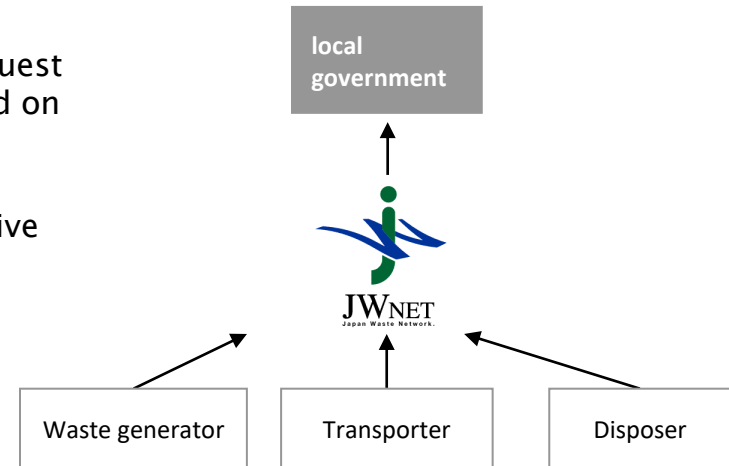


Registrations



Administrative System for Local Government

- Background of incorporation
 - Prefectures and designated cities are entitled to request the JW Center to provide manifest information based on the Waste Management Law.
 - In order to simplify the procedures, prefectures and designated cities are entitled to use the administrative system to disclose the status of each manifest.
 - Some statistics can be downloaded.
- Start of operation
September 2012
- User fee
Free
- Main functions
 - E-manifest inquiry
 - Inquiry of improper manifest data
 - Output of annual report
 - Output of various statistics
 - Waste amount by industry classification and type of waste
 - Amount of wide-area transportation among prefectures by industry classification and type of waste



Our Vision

One of our next goal is to use the BIG data from e-manifest for recycling-based society.

As we have BI tool, we can gather statistics and visualize the moves of industrial waste.

We post that statistics and visualizing information on website to help national / local governments to form recycling-based society.

We continue considering way to improve data accuracy and add more value on e-manifest data.

Image

(Area and amount of commissioned waste disposal generated in Kanto region)

