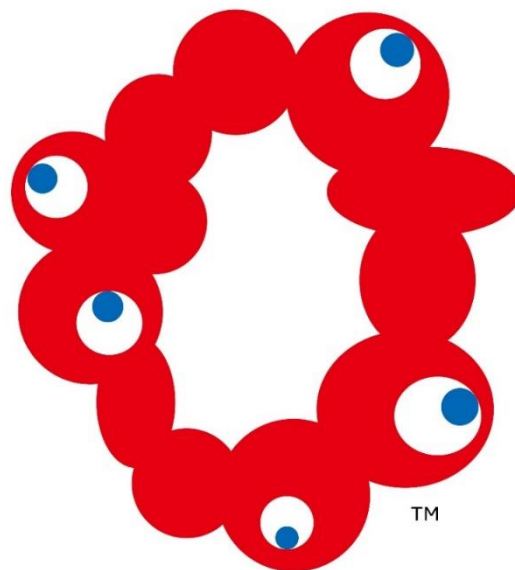


# Guidelines for Proper Management of Waste (During operation period) (First edition)



OSAKA, KANSAI, JAPAN

**EXPO**  
**2025**

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1. Definitions of abbreviations, contracted names, units, and terms

<b>Abbreviation / contracted name</b>	<b>Official name</b>
BIE	The Bureau International des Expositions
ESMS	Event Sustainability Management System
<b>Term</b>	<b>Definition</b>
Convention	The 'Convention Relating to International Exhibitions' signed in Paris on the 22nd of November, 1928, and subsequently amended and supplemented.
The Expo	The International Registered Exhibition, Expo 2025 Osaka, Kansai, Japan, which will be held in Osaka, Japan, from the 13th of April to the 13th of October, 2025.
Registration Dossier	The registration document that was submitted to and approved at the 167th General Assembly of the BIE.
General Regulation	The General Regulations included in Chapter 8 of the Registration Dossier approved at the 167th General Assembly of the BIE.
Special Regulation	The Special Regulations set out in Article 34 of the General Regulations.
Guidelines	The guidelines for the Expo issued by the Organiser in relation to items stipulated in the General Regulations and Special Regulations. The guidelines are intended to assist the Official Participants in all aspects of the preparation and operation of the Expo.
Laws and Regulations	The Convention, the General Regulations and Special Regulations; the laws of Japan, government ordinances, ministry ordinances, government notifications and notices; bylaws, regulations and controls of local governments; supplementary directives, instructions and guidelines issued by the Organiser.
Commissioner General of the Exhibition	The representative of the Government of Japan for the Expo appointed by the Government of Japan in accordance with Article 12 of the Convention.
Organiser	The Japan Association for the 2025 World Exposition, which was designated by the Minister of Economy, Trade and Industry on the 31st of May, 2019 to carry out tasks relating to the preparation and operation of the Expo, in accordance with the 'Act on Special Measures Necessary for Preparing for and Managing of the International Exposition in 2025', and which was authorised as a public interest incorporated association on the 21st of October, 2019.
Official Participants	Foreign governments and international organisations that have accepted the formal invitation from the Government of Japan to participate in the Expo.
Non-official Participants	Those who were authorised by the Commissioner General of the Exhibition to participate in the Expo outside the sections of the Official Participants.
Concessionaires	Those referred to in Article 35 of the General Regulations, who have been granted by the Organiser rights to engage in commercial activities in the Expo Site.
Participants	Official Participants, Non-official Participants, and Concessionaires.
Expo Site	All areas used and administered by the Organiser as the venue for the operation of the Expo.

## 2. Introduction

These Guidelines elaborate on the overview of, basic requirements for, and important points to be noted on waste generated by the Participants during the operation period of the Expo (exclusive of periods for work such as construction and demolition).

While this first edition presents the relevant basic matters to be noted in advance of the Expo, these Guidelines might be updated as necessary in the future.

### 2-1. Purpose of these Guidelines

These Guidelines were prepared as guidelines for Participants in managing waste by estimating the amount of waste generated and setting recycling goals, and to realise sustainable consumption and production as one of SDGs goals through the operation of the Expo, in accordance with the 'Osaka Blue Ocean Vision' and the 'EXPO 2025 Green Vision (Edition 2023),' which sets out concrete actions to be taken based on a basic policy for reducing plastic waste and food loss.

These Guidelines aim to ensure the compliance of various waste-related Laws and Regulations in Japan to properly manage waste, promote the concept of '3R + Renewable,' and practice resource circulation.

These Guidelines are under Special Regulation No. 10 and shall be complied with by not only the Participants and staff of the Organiser but also waste management companies entrusted by the Participants and the Organiser.

### 2-2. Controls and guides

These Guidelines provide two types of standards, **Control** and **Guide**, as indices for Participants in planning their operation in accordance with these Guidelines in the Expo Site.

Alphanumeric codes are used to designate Controls and Guides.

**C-00 Control** indicates items that shall be complied and describes restriction or prohibition in relation to Participants' planning and operation.

**G-00 Guide** indicates items that are preferred and describes ways the Participants may take to ensure alignment with the objectives or purposes of the Expo or related proposals.

### 2-3. Compliance with Laws and Regulations

When generating, reducing/reusing/recycling, and properly managing waste, the Participants shall comply with the relevant laws of Japan and the related bylaws, etc. of Osaka Prefecture and Osaka City, including:

[Laws]

- Act on Waste Management and Public Cleansing (Waste Management Act)  
(Waste Management Act)  
<https://elaws.e-gov.go.jp/document?lawid=345AC0000000137>
- Act on Promotion of Recycling and Related Activities for Treatment of Cyclical Food Resources  
(Food Recycling Act)  
<https://elaws.e-gov.go.jp/document?lawid=412AC0000000116>
- Act on Promotion of Food Loss Reduction  
<https://elaws.e-gov.go.jp/document?lawid=501AC1000000019>
- Act on the Promotion of Sorted Collection and Recycling of Containers and Packaging  
(Containers and Packaging Recycling Act)  
(Containers and Packaging Recycling Act)  
<https://elaws.e-gov.go.jp/document?lawid=407AC0000000112>
- Act on Promotion of Plastic-related Resource Circulation (Plastic Resource Circulation Act)  
<https://elaws.e-gov.go.jp/document?lawid=503AC0000000060>
- Act on Recycling of Specified Home Appliances  
<https://elaws.e-gov.go.jp/document?lawid=410AC0000000097>
- Act on the Promotion of Effective Utilization of Resources  
<https://elaws.e-gov.go.jp/document?lawid=403AC0000000048>
- Basic Act on Establishing a Sound Material-Cycle Society  
<https://elaws.e-gov.go.jp/document?lawid=412AC0000000110>

[Bylaws, etc.]

- Osaka Prefectural Bylaw on Promotion of Circular Economy Formation  
[https://www.pref.osaka.lg.jp/houbun/reiki/reiki\\_honbun/k201RG00001175.html](https://www.pref.osaka.lg.jp/houbun/reiki/reiki_honbun/k201RG00001175.html)
- Osaka Municipal Bylaw on Promotion of Circular Economy Formation  
<https://www.city.osaka.lg.jp/kankyo/page/0000172075.html>
- Osaka Municipal Bylaw on Promotion of Reduction and Proper Management of Waste and Maintenance of Cleanliness of Living Environment  
<https://www.city.osaka.lg.jp/kankyo/page/0000009846.html>
- Osaka Blue Ocean Vision Action Plan (Osaka Prefecture / Osaka City)  
[https://www.pref.osaka.lg.jp/attach/33469/00388457/blue\\_ocean\\_vision\\_plan.pdf](https://www.pref.osaka.lg.jp/attach/33469/00388457/blue_ocean_vision_plan.pdf)

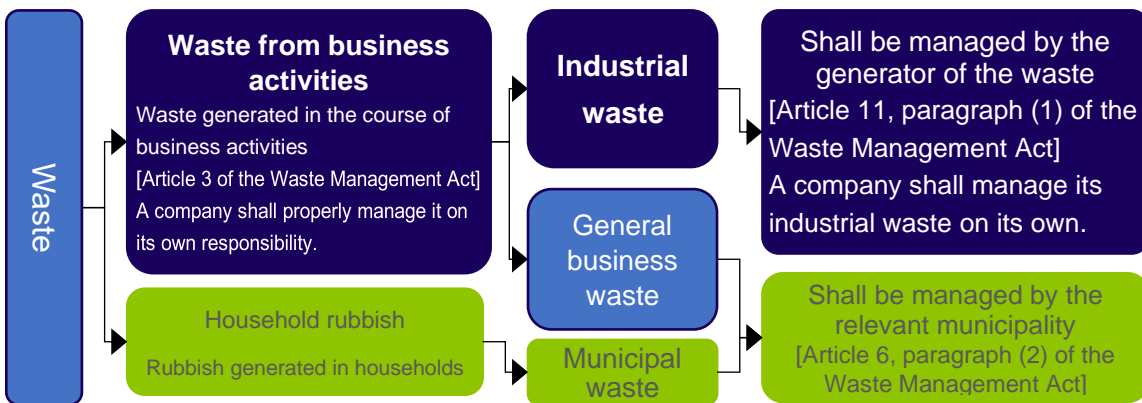
In addition, the Participants shall comply with and referred to other guidelines, documents, and standards provided by the Organiser, including these Guidelines.

### 3. Waste

#### 3-1. Definition of waste

'Waste' means rubbish, bulky rubbish, burnt ash, sludge, excreta, waste oils, waste acids, waste alkalis, animal corpses, and other filth or unnecessary objects, in solid or liquid form (excluding radioactive materials).

(Article 2, paragraph (1) of the Act on Waste Management and Public Cleansing [Waste Management Act])



All of the waste generated within the Expo Site, including rubbish thrown away by visitors and staff, is categorised as “waste from business activities,” as it is waste generated in the course of the Expo, which is a business activity.

‘Obligation of waste-generating companies’ (Article 3 and Article 11, paragraph (1) of the Waste Management Act)

A company shall properly manage waste generated in the course of its business activities on its own responsibility.

A company shall endeavor to reduce the amount of waste generated in the course of its business activities through recycling and utilizing, etc.

When manufacturing, processing, or selling, etc. products, a company shall conduct risk assessments in advance regarding the difficulty of management when such products, containers, etc. become waste, develop products, containers, etc. in such a way that proper management is not difficult.

A company shall provide information on proper management methods for waste associated with such products, containers, etc., so that proper management will not be difficult when such products, containers, etc. become waste.

A company shall cooperate with national and local government policies in connection with the reduction of waste and other measures to ensure its proper management.

### 3-2. Waste from business activities

It is waste generated in the course of business activities that includes all of the waste generated in the Expo Site. Its sorting categories and those who are in charge of its management differ from household rubbish.

### 3-3. Industrial waste

Among waste generated in the course of business activities, the following are categorised as industrial waste:

Those from all types of business activities	1 Burnt ash	5 Waste alkalis	9 Glass/concrete/pottery waste
	2 Sludge	6 Waste plastics	10 Slag
	3 Waste oils	7 Rubber waste	11 Debris
	4 Waste acids	8 Metal waste	12 Soot and dust
Those generated by the limited number of industries	13 Waste paper	16 Animal solid waste	19 Animal corpses
	14 Waste wood	17 Animal and plant residues	20 Those processed for disposing industrial waste (1) - (19) but not categorised as (1) - (19), such as cement-solidified sludge
	15 Waste textile	18 Animal excreta	

### 3-4. Municipal waste

Municipal waste means waste other than industrial waste.

### 3-5. Specially controlled waste

Among municipal waste and industrial waste, that with explosive, toxic, infectious or other properties that are likely to cause damage to human health or the living environment shall be designated specially controlled municipal waste or specially controlled industrial waste and shall be managed following more stringent standards.

(1) Waste oils (Flammable waste oils)	(5) Specified hazardous industrial waste	Polychlorinated biphenyls (PCB)
(2) Waste acids with a pH value of 2.0 or lower		Dioxins
(3) Waste alkalis with a pH value of 12.5 or higher		Waste mercury
(4) Infectious waste		Asbestos etc.



#### 4. Proper management of waste

- C-01** In the Expo Site, the Participants shall properly manage waste generated in the course of their business activities on their own responsibility.
- G-01** It is recommended that the Participants should make effort to ensure that visitors do not throw away what the Participants distribute/sell as waste in the Expo Site, and if and when waste is generated, the Participants should try to properly collect and manage it.
- C-02** The Participants shall endeavour to reduce waste by, for example, recycling waste generated in the course of their business activities.
- C-03** When manufacturing, processing, or selling, etc. products, the Participants shall conduct risk assessments in advance regarding the difficulty of management when such products, containers, etc. become waste, develop products, containers, etc. in such a way that proper management is not difficult, and collect information on proper management methods for waste associated with such products, containers, etc., and provide the Organiser with it so that proper management will not be difficult when such products, containers, etc. become waste.
- C-04** The Participants shall cooperate with national and local government policies in connection with the reduction of waste and other measures to ensure its proper management.
- G-02** It is recommended that the Participants should appoint a responsible person to manage waste in order to reduce and properly manage it.

##### 4-1. Effort to reduce waste

- C-05** With the aim of promoting the concept of '3R + Renewable,' the Participants shall prioritise (in descending order) (1) reducing, (2) reusing, and (3) recycling waste as far as possible and also utilise recycled material and recyclable resources to achieve the circulative use of all resources.

##### (1) Reduce

- G-03** The Participants are recommended to take the following measures to reduce waste at the respective phases of production, distribution, and consumption:

Review production processes to decrease a defect rate.
Avoid the excess purchase of materials/semi-finished goods.
Make effective use of unused materials.

At restaurants, etc., make effort to reduce leftovers by adjusting the menu and getting creative in food presentation.
Try not to use disposable materials such as disposable chopsticks and paper towels. (Prohibit using petroleum-derived paper towels.)
Use, in principle, reusable food containers and avoid using disposable containers. If the use of disposable containers is inevitable, use those that are compostable, biodegradable, or recyclable.
Have paper posters and handouts migrated to electronic media to prevent them from being thrown away.
Do not provide paper towels at restrooms; do not distribute plastic fans or non-durable fans that may be thrown away; stop excess packaging, etc.

(2) Reuse

**G-04** If waste is inevitably generated, the Participants are recommended to choose reusable items, including by taking the following measures:

When purchasing foods and ingredients, use returnable containers.
Use wet cloth towels as far as possible, etc.

(3) Recycle

**G-05** If waste is inevitably generated and there is little reusability, the Participants are recommended to recycle the relevant items into materials for other products, including by taking the following measures:

As recycling methods, prioritise recycling into materials or chemicals, and if it is not possible, recycle items into RPF (thermal recovery is not considered as recycling).
Recycle food waste at recycling facilities in and outside the Expo Site, etc.

(4) Proper management

**C-06** Waste generated even after the measures (1) - (3) are taken shall be properly sorted into general business waste or industrial waste and the Participants shall entrust a capable company with properly managing it.

In such cases, the Participants shall strive to reduce the volume and weight of the waste that is disposed of at landfills and apply disposal methods, and priority is given to heat recovery, then that generate as little CO<sub>2</sub> as possible that generate as little CO<sub>2</sub> as possible.

In the case where waste is managed using a waste management system offered by the Organiser (waste management procedures described in Section 4-4), the Organiser will entrust a capable company with managing waste on behalf of the Participants.

4-2. Sorting of waste

**C-07** In the Expo Site, the Participants shall sort waste into sorting categories provided by the Organiser and manage it.

<Sorting categories>

		Participants	Visitors
1	Leftover water	-	●
2	Food waste	●	●
3	Waste cooking oil	●	-
4	Cans for business use	●	-
5	Cans (Aluminium cans / Steel cans)	●	●
6	Non-plastic bottles	●	
7	Plastic bottles	●	●
8	Plastic bottle caps	[●]	[●]
9	Polystyrene foam / foam trays	●	●
10	Plastics	●	
11	[Compostable dishware]	[●]	-
12	Cardboard	●	-
13	Paper	●	●
14	[Disposable nappy]	-	[●]
15	Sludge (Grease trap)	●	-
16	Wooden pallets	●	-
17	[Disposable chopsticks]	[●]	-
18	Burnable rubbish	●	●
19	Non-burnable garbage	-	●
20	Mixed waste	●	-
		14 [17] categories	8 [10] categories

(Note) Items in [ ] refer to those are currently examined based on their recyclability. The sorting categories above may be changed, including those without [ ], in the future.

**C-08** The Participants shall carry waste that is sorted in accordance with the sorting categories designated by the Organiser into a waste collection point when they manage waste by using a waste management system offered by the Organiser (waste management procedures described in Section 4-4).

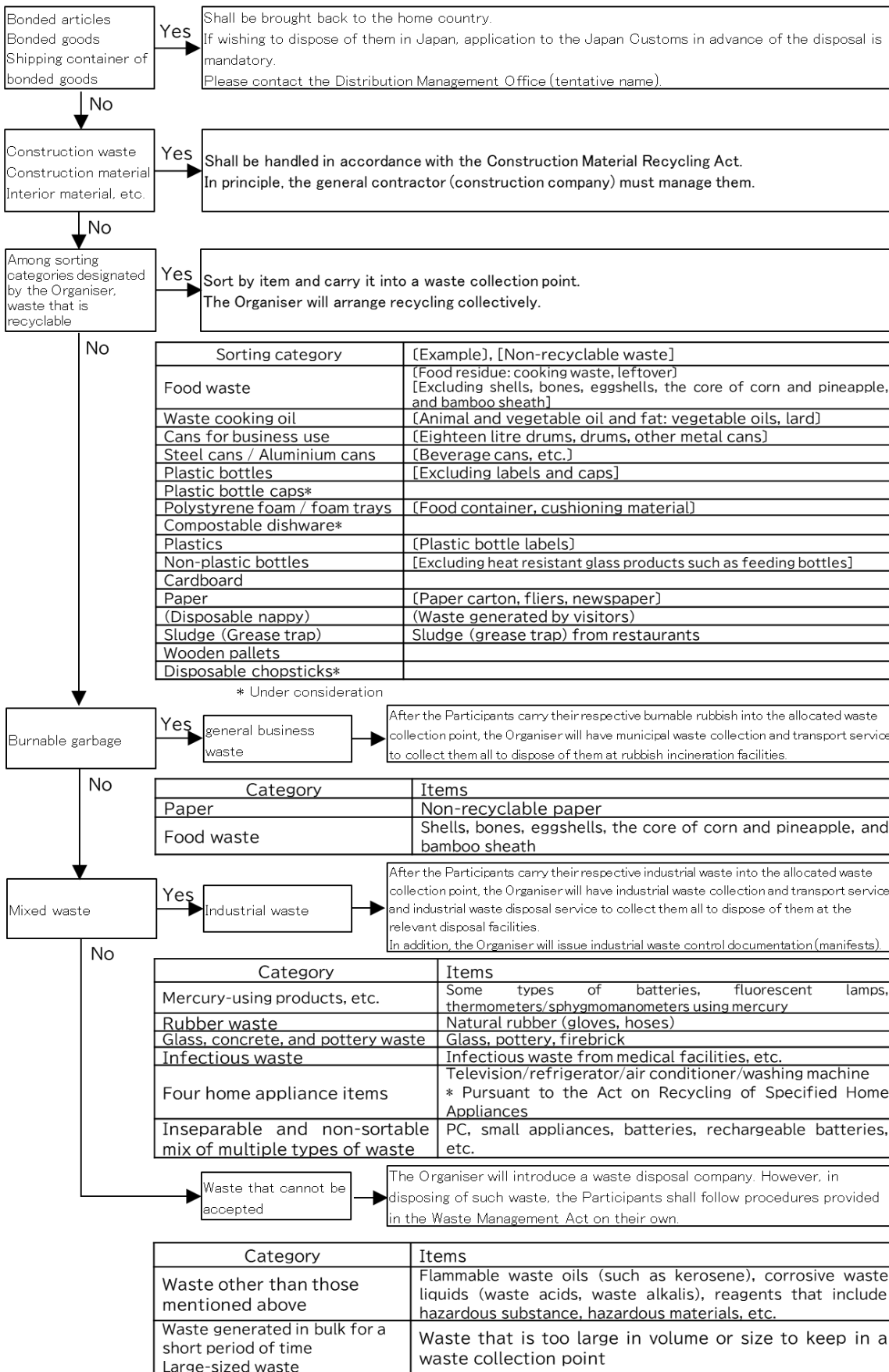
The Organiser will take out the waste to entrust a waste management company with its disposal. The costs thereof shall be borne by the Participants.

This provision is pursuant to Article 11 of Special Regulation No. 10.

- C-09** If the Participants arrange the disposal of waste on their own, they shall report the items to be disposed of (using Form 1) in advance and the disposed items, their volume and the details of disposal (including disposal methods and recycled volume) (also using Form 1) after the disposal.
- C-10** The Participants shall, in principle, recycle what is recyclable among waste they themselves arrange its disposal.

#### 4-3. Sorting flow of waste

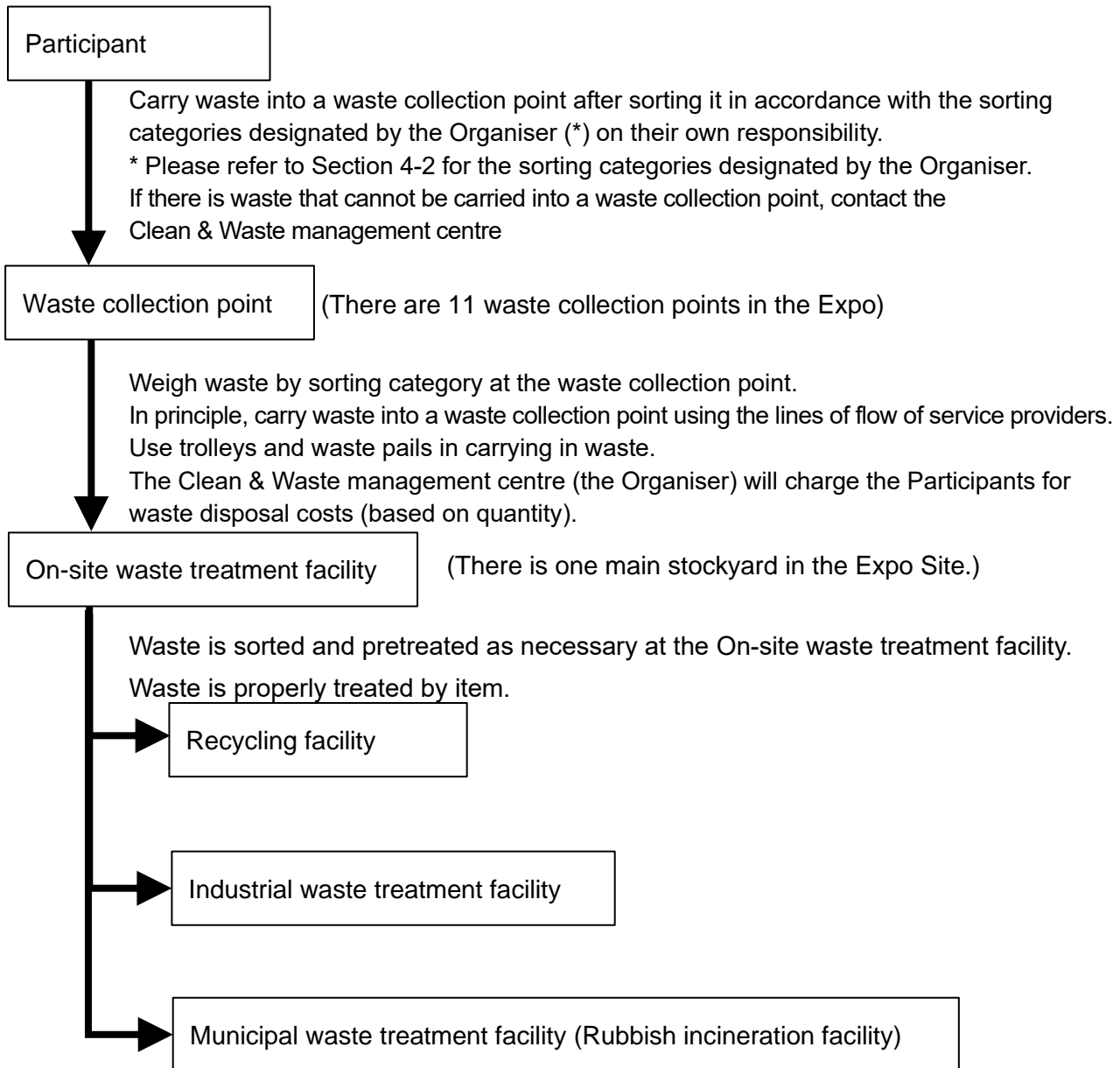
- C-11** The Participants shall sort waste they generate in the Expo Site following the flow shown below:



(Note) The flow may be changed in the future, depending on the waste management action plan that is planned to be developed.

4-4. Waste management procedures in the Expo Site

**G-06** The Participants are, in principle, recommended to use the following waste management system (waste management procedures) offered by the Organiser in disposing waste they generate in the Expo Site.



4-5. Waste that cannot be accepted

**C-12** The Participants shall manage waste that the Organiser cannot accept on their own responsibility.

The Organiser will introduce a company that is capable of handling such waste.

The Participants shall report the items to be disposed of (using Form 1) in advance and the disposed items, their volume and the details of disposal (including disposal methods and recycled volume) (also using Form 1) after the disposal.

5. Requirements to reduce waste

**C-13** In order to reduce, reuse and recycle various types of waste generated in the Expo Site, the Participants shall proactively satisfy the following requirements as effort to reduce waste provided in Section 4-1.

5-1. Effort to reduce food waste

(1) Reduce

The Participants shall make effort to address and reduce food loss, referring to examples separately presented by the Organiser, such as the efficient use of food ingredients, reduction in unsold foods by getting creative in sales methods, and reduction in leftover by adjusting the menu.

Procure and prepare food ingredients in accordance with the estimated number of visitors.	Reduce food loss during cooking (adjust preparation, etc.)	Adjust stocking methods (using a freezer etc.)	Adjust, revise, or narrow down the menu.
Ask customers to order the appropriate amount of foods.	Small portion service, small volume sale	Sell out.	

(2) Recycle

Recycle all the recyclable food waste by converting it into feedstuff, fertilizer, methane gas for fuel, etc.

Food waste carried into stockyards will be processed in the Expo Site to extract biogas to generate electricity or converted into compost in or outside the Expo Site.

In order to recycle waste, make sure to separate the following non-recyclable food waste and non-food waste items such as plastic bags, containers and packaging, toothpicks, disposable chopsticks, serviettes and newspaper that are frequently mixed in food waste.

Recyclable food waste	Waste cooking oil	Feedstuff, industrial material, fuel
	Sorted food waste other than shells, bones, eggshells, the core of corn and pineapple, and bamboo sheath	Extracting biogas, fertilizer
Non-recyclable food waste	Shells, bones, eggshells, the core of corn and pineapple, and bamboo sheath Unsorted food waste	Incineration (generating CO <sub>2</sub> )

(3) Reduce the quantity

Prior to carrying it into a stockyard, drain thoroughly water off and reduce quantity through dehydration, drying, and fermentation.

5-2. Effort to reduce paper waste

(1) Reduce


Have posters, handouts, etc. migrated to electronic media to prevent them from being thrown away.

(2) Recycle

Sort it into recyclable paper and non-recyclable paper.

As non-recyclable paper is waste to be incinerated, make effort not to generate paper waste to be incinerated as far as possible.

<Recyclable paper>

Newspaper	Newspaper including advertising inserts
Cardboard	Peel off adhesive tape and carbon paper (such as delivery slips).
Paper carton	 That with the following logo. Paper cartons for beverages are coated with polyethylene. However, they can be recycled by putting small effort of rinsing with water, opening up, and drying them.
OA paper	Copy paper, printer paper
Magazines	Pamphlets, catalogues, weekly magazines, comic books, professional journals, books, textbooks, dictionaries
Shredded paper	Cut paper
Other paper	Wrapping paper, empty sweets/tissue boxes, memo pads, paper bags, business cards, postcards, envelopes (remove adhesives)

<Non-recyclable paper>

Soiled paper	Oil-stained paper, used tissues and towel paper
Perfumed paper	Detergent boxes, incense boxes, fragrance boxes, aromatic paper, soap wrapping paper



Waterproof paper	Paper container of instant noodles/yoghurt/ice cream
Thermal paper	Receipts, rolled fax paper
Photographic paper	Photo paper
Sublimation transfer paper	Iron printing paper, dyed printing paper, cushioning paper for bags and shoes
Thermal foaming coated paper	Copy paper generating patterned surface
Parchment paper	Baking paper, bun/cake paper, powder paper
Waxed cardboard	Cardboard that is waxed (Containers for imported fruits/vegetables and processed marine products)
Foil stamped paper	Gold/silver <i>origami</i> paper
Paper used as building material	Wallpaper, tarpaulin
Sealed postcard	Direct mail, utility bills
Stickers and adhesive tape	As glue that cannot be removed causes trouble during recycling processes.
Laminated paper, paper coated with resin/aluminium	Ice cream cups, instant noodle lids, sake cartons, gum wrappers
Carbon paper, non-carbon paper	Manifold paper, delivery slips
Coloured paper	Paper with colour, coloured drawing paper, cushioning paper for fruits
Composite materials	Envelopes with cushioning material
Synthetic paper Stone paper	Maps, posters for outdoor use
Potty pads	As they contain water-absorbing polymer.
Nonwoven fabric	Masks, disposable towel, microfiber mop

(Note) As the items above include those are currently examined based on their recyclability, the list may be updated in the future.

### 5-3. Effort to reduce plastic waste

#### (1) Reduce

Reduce the use of disposable plastics by taking various measures such as adopting selling products and handouts made of recyclable material, not plastic.

#### (2) Recycle

Sort them into recyclable plastics and non-recyclable plastics.

Do not throw away non-recyclable plastics as burnable rubbish.

##### <Recyclable plastics>

Plastic bottles	Empty the contents and rinse the bottle if it's sticky. Remove the cap and label.
Plastic containers and packaging	Those used as food packaging and not dirty with food residue, etc.
Plastic products	Non-rigid plastic products (thinner than a cash card) that are not dirty with food residue, etc.
Polystyrene foam / foam trays	Products made of polystyrene foam

##### <Non-recyclable plastics>

Plastic containers and packaging	Those that are dirty (even after being washed)
Plastic products	Those that are dirty (even after being washed) Rigid plastic products (thicker than a cash card)
Composite materials using other materials	Those containing non-plastic materials

(Note) As the items above include those are currently examined based on their recyclability, the list may be updated in the future.

## 6. Industrial waste disposal entrustment, etc.

When a company generates industrial waste, it shall entrust the disposal of such industrial waste to a licensed industrial waste management company and conclude an entrustment contract. To this end, this Section elaborates on procedures in the cases where the Participants themselves arrange the disposal of industrial waste and in the cases where they use a waste management system offered by the Organiser in disposing industrial waste.

### 6-1. Procedures to follow when Participants themselves arrange disposal of industrial waste

**C-14** As set out in Sections 4-2 and 4-5, the Participants themselves may arrange the disposal of industrial waste. In such cases, they assume the obligation of waste generating companies and shall conclude an industrial waste disposal entrustment contract with an industrial waste management company and issue and manage industrial waste control documentation (manifests) in accordance with the Waste Management Act.

#### (1) Obligation of waste generating companies[Article 3 and Article 11, paragraph (1) of the Waste Management Act]

A company shall properly manage waste generated in the course of its business activities on its own responsibility.

#### (2) Entrustment of industrial waste disposal[Article 12, paragraph (5) of the Waste Management Act and Article 6-2, paragraph (4) of the Order for Enforcement thereof]

Waste generating companies shall conclude a written contract with both licensed waste collection and transport service and licensed waste disposal service.

#### (3) Industrial waste control documentation[Article 12-3, paragraphs (1), (6), and (7) of the Waste Management Act]

When an industrial waste generating company entrusts the transport and disposal of its industrial waste, it shall issue filled-out industrial waste control documentation at the same time as the handover of the industrial waste and manage it.

[Slip A], [Slip B2], [Slip D] and [Slip E] of the industrial waste control documentation shall be kept for five years.

Those who issue industrial waste control documentation shall submit a report on issuance status of the previous year to the mayor of Osaka City by the 30th of June, every year.

### 6-2. Procedures to follow when using a waste management system offered by the Organiser in disposing industrial waste

**G-07** When the Participants manage industrial waste using a waste management system offered by the Organiser (waste management procedures described in Section 4-4), they may delegate the conclusion of an industrial waste disposal entrustment contract with an

industrial waste management company and the issuance and management of industrial waste control documentation to the Organiser.

The Organiser will handle waste generated in the course of the Expo and entrusted by different Participants in a combined manner.

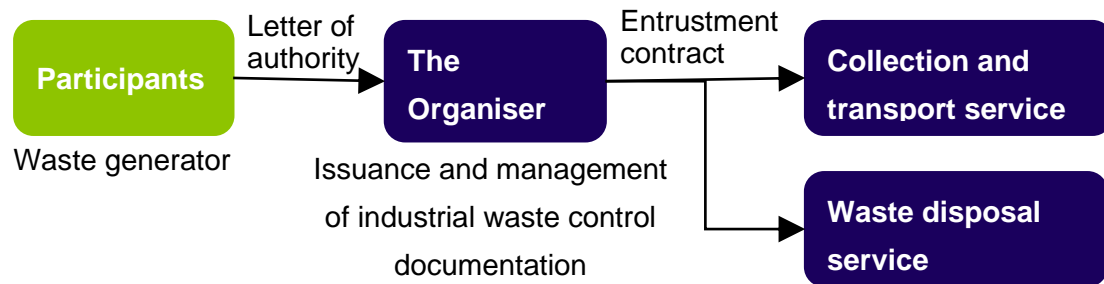
**C-15** When the Participants entrust the Organiser with the management of industrial waste, they shall submit a letter of authority (Form 2) to the Organiser.

(1) Administrative tasks that can be entrusted to the Organiser

- Administrative tasks relating to the conclusion of entrustment contracts with “collection and transport service” and “waste disposal service”
- Administrative tasks relating to the issuance and management of industrial waste control documentation

(2) Note

- The obligation of waste generating companies shall not be transferred to the Organiser.



(3) Other relevant matter

- The Participants shall stay informed about an industrial waste disposal entrustment contract concluded by the Organiser and issued industrial waste control documentation. (How to do it shall be discussed with the Organiser in the future.)

7. Charge for proper management of waste in the Expo Site

**C-16** As set out in Section 4-2, the Participants shall bear the costs for the proper management of waste that is generated and sorted by sorting category by the Participants.

Based on the following unit cost for managing each sorted item, the Cleaning Management Centre (the Organiser) will charge the Participants for management costs based on the quantity of waste measured at waste collection points.

No.	Item	Details	Management cost (Yen/kg)
1	Food waste	Excluding shells, bones, eggshells, the core of corn and pineapple, and bamboo sheath	Approx. 27
2	Waste cooking oil		Approx. 50
3	Cans for business use	Including other metals	Approx. 100
4	Steel can Aluminium can	Different types of beverage cans (steel, aluminium) may be disposed of together.	Approx. 50
5	Plastic bottles (excluding caps and labels)		Approx. 100
6	Plastic bottle caps		Under consideration
7	Polystyrene foam Foam trays		Approx. 500
8	(Compostable dishware)		Under consideration
9	Plastics	Recyclable plastics including plastic bottle labels	Approx. 100
10	Non-plastic bottles	Excluding heat resistant glass products such as feeding bottles	Approx. 100
11	Cardboard		Approx. 20
12	Paper	Recyclable paper, paper carton, and paper tableware	Approx. 20
13	Sludge (Grease trap)		Under consideration
14	Wooden pallets		Under consideration
15	(Disposable chopsticks)		Under consideration
16	Burnable garbage	General business waste - Shells, bones, eggshells, the core of corn and pineapple, and bamboo sheath - Non-recyclable paper	27

17	Mixed waste	Mercury-using products (fluorescent lamps)	Under consideration
18	Non-burnable garbage	Rubber waste (natural rubber)	Under consideration
19		Glass/concrete/pottery waste (shards of pottery/concrete, heat resistant glass)	Under consideration
20		Infectious waste	Under consideration
21		Four home appliance items (television/refrigerator/air conditioner/washing machine)	Please contact the Cleaning Management Centre.
22		Batteries	Under consideration
23		Rechargeable batteries	Under consideration
24		PC, small appliances, etc.	Please contact the Clean & Waste management centre.
25		Non-recyclable plastics	Under consideration
26		Waste contained some of (1) - (25) above in a mixed manner	Approx. 1,000
27	Waste that cannot be accepted Waste that shall be managed separately	Items that are not listed above	Please contact the Clean & Waste management centre..


(Notes) - In this first edition, estimated (approximate) costs at this moment are presented. As costs may significantly differ depending on waste management companies and disposal methods, revised costs will be presented following the selection of a waste management company.

- Management costs may be revised in the future due to various factors such as market price fluctuations.

## 8. How to dispose of waste at waste collection points

### 8-1. How to carry waste into waste collection points

**C-17** When the Participants carry waste into a waste collection point as described in Sections 4-2 and 4-4, follow the instructions below:

No.	Item	Collection bin	Note
1	Food waste (excluding shells, etc.)	Designated collection bin (Waste pail)	Put it in a plastic bag and disposed of it in the designated collection bin. Do not mix non-food waste.
2	Waste cooking oil	Designated collection bin (Pail can)	Make sure that it is disposed of in the designated collection bin.
3	Cans for business use	See-through bag	Empty the can.
4	Steel cans / Aluminium cans	See-through bag	Empty the can.
5	Plastic bottles	See-through bag	Empty the bottle. Remove the cap and label.
6	Plastic bottle caps	See-through bag	Separate from the label and main body of the plastic bottle.
7	Polystyrene foam Foam trays	See-through bag	Remove the dirt and deposit as far as possible.
8	(Compostable dishware)	See-through bag	Do not mix with other types of dishware.
9	Plastics	See-through bag	Including the label. Do not mix with non-recyclable items.
10	Non-plastic bottles	See-through bag	Remove the cap and empty the bottle.
11	Cardboard	Any container	Fold the cardboard when carry it in.
12	Paper	See-through bag	If it contains confidential information such as personal data, destroy it so that the contents are totally unreadable.
12	Paper carton 	See-through bag	Rinse the inside, cut open and dry.
12	Used paper dishware	See-through bag	Do not mix other types of dishware such as Item No. 8.
13	Sludge (Grease trap)		A method designated by the waste management company.
14	Wooden pallets	Any container	
15	(Disposable chopsticks)	See-through bag	A method designated by the waste management company.
16	Burnable rubbish	See-through bag	Do not mix with recyclable items.
17	Mercury-using products, etc.	Containers that can prevent product damage, etc.	Make sure not to have mercury scattered.

18	Natural rubber	See-through bag	
19	Glass/concrete/pottery waste	See-through bag or container	
20	(Infectious waste)		A method designated by the waste management company.
22 23	Batteries, rechargeable batteries	See-through bag	Pay attention to heat from residual heat-generating ingredients.
25	Non-recyclable plastics	See-through bag	Do not mix with recyclable items.
26	Mixed waste Non-burnable garbage	See-through bag, etc.	Do not mix with waste that can be sorted by sorting category.

(1) Handover of designated collection bins

Collection bins (pail cans and waste pails) are lent at waste collection points.

(2) Replacing with new collection bins

When collection bins are carried into waste collection points, they are replaced with new collection bins.

8-2. Allocation of waste collection points

**C-18** The Participants shall carry their waste into a waste collection point designated by the Organiser during the opening hours in the Expo event period.

**C-19** The Participants, in principle, shall not use the lines of flow of visitors during the opening hours and carry their waste in the allocated waste collection point using trolleys and waste pails while using the lines of flow of service providers. However, this does not apply to the Participants whose Plot is not on the flows of line of service providers. If they have to use the lines of flow of visitors, ensure that waste is not visible to the visitors.

**G-08** The Participants are recommended to carry their waste into the waste collection point designated by the Organiser even outside the opening hours in the Expo event period.

<List of allocated waste collection point (SSY) for each facility>

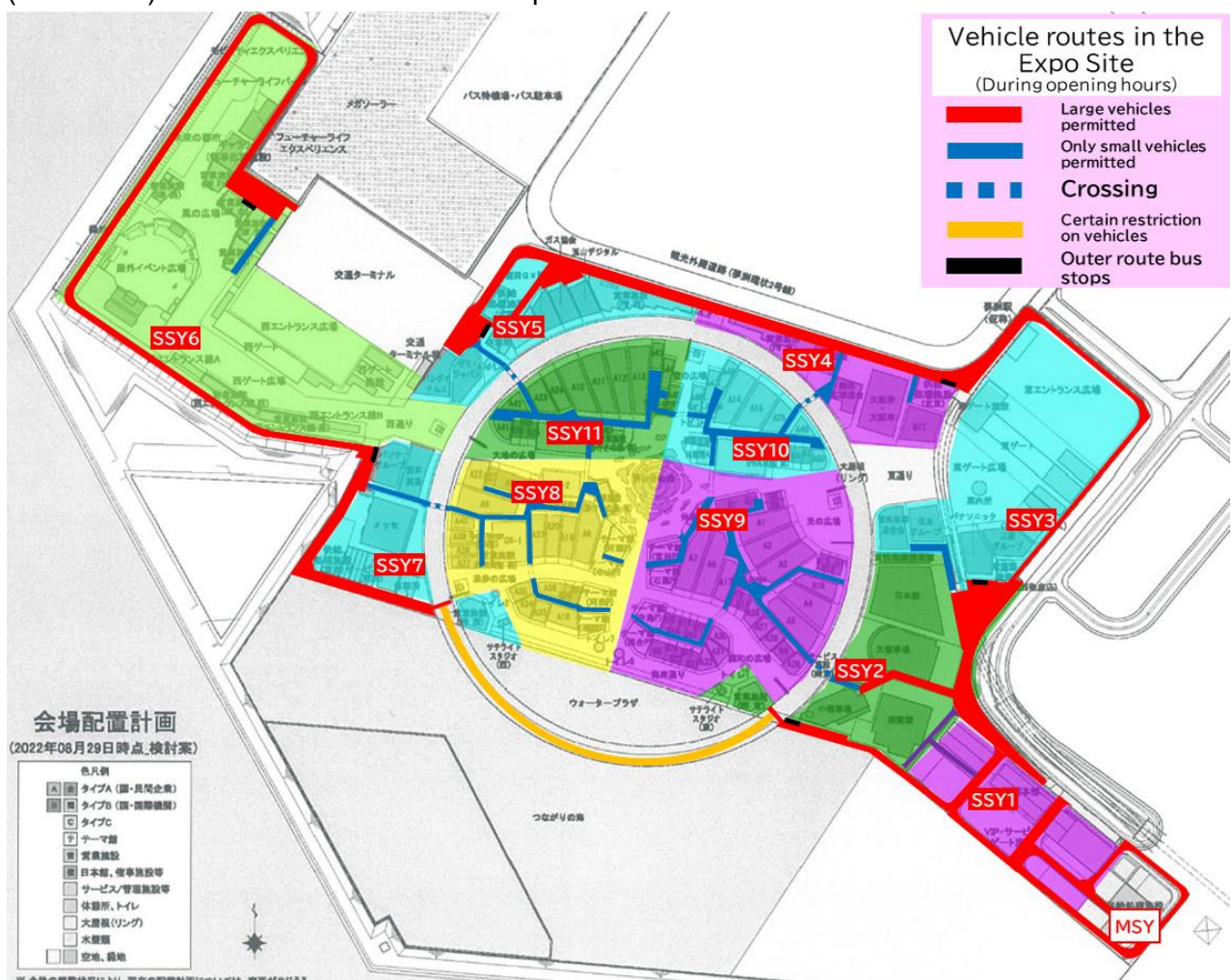
SSY number	Applicable facilities
SSY1	Administration Office
SSY2	Japan Pavilion, EXPO Hall (former Event Hall 1), EXPO National Day Hall (former Event Hall 2), Guest House, Woman's Pavilion
SSY3	Mitsubishi, Panasonic
	Sumitomo, Federation of Electric Power Companies of Japan
SSY4	NTT, Osaka Prefecture/Osaka City, Union of Kansai Governments, concession facilities



SSY5	Bandai Namco, Zeri Japan, Osaka Restaurant Management Association, Iida Group / Osaka Metropolitan University, Japan Gas Association, Tamayama Digital, concession facilities
SSY6	Concession facilities, EXPO Arena (former Outdoor Event Space), Future Life, Gallery West (former Gallery), West Gate facility
SSY7	Pasona, Yoshimoto Kogyo, EXPO Exhibition Centre (former Messe), concession facilities, service facilities
SSY8	C2, C3, C5-7, B2, 25-27, A8, 9, 18-22, 33-40, Theme Pavilion (Kawamori, Fukuoka, Kawase, Koyama)
SSY9	A1-7, 16, 17, 26-32, B1, 4, 5, 8-24, Theme Pavilion (Nakajima, Ochiai, Miyata, Ishiguro)
SSY10	A14-15, 25, 46-50, B3, 6, 7, C1, 4
SSY11	A10-13, 23-24, 41-45, B28-30, concession facilities

Please refer to “Section 10. Layout of waste/cleaning-related facilities” for the layout of waste collection points.

(Reference) Allocation of waste collection points



8-3. Business hours of waste collection point

**C-20** The Participants shall carry their waste into a waste collection point during the business hours of the operation periods shown below:

Operation period	Business hours	SSY that may accept waste
The 13th of January(*) to the 31st of March, 2025 (Closed on Saturday, Sunday and bank holidays)	9:00 - 17:00	1 (Other SSY do not accept waste)
The 1st to the 12th of April, 2025 (Open everyday)	9:00 - 17:00	1-11
The 13th of April to the 13th of October, 2025 (Open everyday)	8:00 - 23:00	1-11
The 14th to the 20th of October, 2025 (Open everyday)	9:00 - 17:00	1-11

\* The schedule above is based on the expected handover timing of the cleaning/waste-related facilities such as stockyards. In the event where the handover of such facilities is delayed, the start of the operation will also be delayed.

9. Matters related to generation and disposal of waste

**C-21** The Participants shall clean the areas that are exclusively occupied by them (their building and Plot) to maintain their cleanliness on their own responsibility.

In addition, the Participants shall sort and dispose of waste generated from the cleaning and install rubbish bins.

They may entrust a service provider with such cleaning. In such cases, the Clean & Waste management centre will introduce a service provider. The estimated approximate cleaning costs depend on various factors such as the frequency of cleaning, floor (wall) material and the details of cleaning and they are currently under consideration. (The Organiser plans to request the service provider to submit a quotation for cleaning.)

9-1. Cleaning responsibility allocation in the Expo Site

The cleaning responsibility for the main facilities in the Expo Site is allocated as follows:

Facility	Details	Those who are responsible for cleaning	Facility	Details	Those who are responsible for cleaning
Pavilion of Official Participant A and X	Area exclusively controlled by the Participant	Participant	EXPO Arena (former Outdoor event space)	Stage Building, Backstage Building, FOH Building	Outsourced operator
Pavilion of Official Participant B	Area exclusively controlled by the Participant	Participant		Visitor seats, Common-use area	The Organiser
	Empty lot	The Organiser		Restrooms for visitors	
Pavilion of Official Participant C	Area exclusively controlled by the Participant	Participant	Pop-Up Stage (former Small stage)	Stage Building	Outsourced operator
	Backyard	Outsourced operator	Concession facilities	The whole Plot (Exclusively-occupied building)	Concessionaires
	Common-use area	The Organiser		Tenant area	
	Empty lot			Food court seat	
Pavilion of international organisation	Area exclusively controlled by the Participant	Participant		Terrace seating (for restaurants)	
	Backyard	Outsourced operator	Stockroom for equipment, etc.		
	Common-use area	The Organiser	Restroom for visitors	The Organiser	
	Empty lot		Common-use area		
Japan Pavilion	The whole Plot	Participant	Administration Office	Areas managed by the Organiser	Outsourced operator etc.
Municipal Pavilion	The whole Plot	Participant		Entrusted operations room	
Woman's Pavilion	The whole Plot	Participant		Common-use area	The Organiser

Corporate Pavilions	The whole Plot	Participant	Heat supply facility	The whole Plot (excluding staff canteen building)	Outsourced operator
Theme Pavilion	The whole Plot	Outsourced operator		Staff canteen building (Area exclusively controlled by the Participants)	Concessionaires
EXPO Hall (former Event Hall 1)	Area exclusively controlled by the Participant	Outsourced operator		Staff canteen building (eating space, common-use area)	The Organiser
	Visitor seats, Common-use area	The Organiser	Office building	Area exclusively controlled by the Participant	Participant
EXPO National Day Hall (former Event Hall 2)	Area exclusively controlled by the Participant	Outsourced operator		Common-use area	The Organiser
	Common-use area	The Organiser		Empty lot	
Guest House	The whole Plot	Outsourced operator	Various types of plaza (excluding outdoor event plaza)	Entrusted operations room	Outsourced operator
EXPO Exhibition Center (former Messe)	Area exclusively controlled by the Participant	Outsourced operator		Common-use area	The Organiser
	Common-use area	The Organiser	Grand Roof, streets	Excluding planting	The Organiser
Gallery West (former Gallery)	The whole Plot	Outsourced operator			

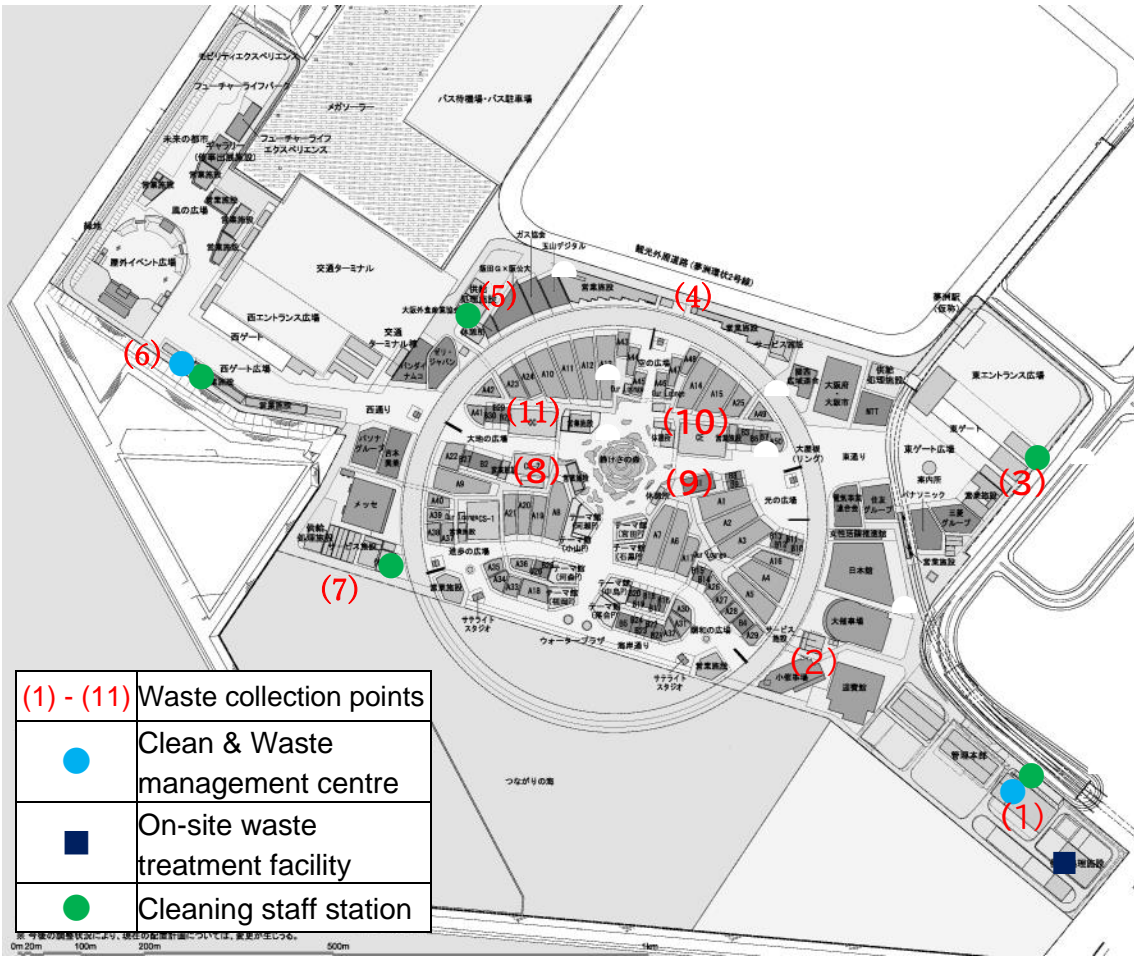
(Reference) Estimated approximate cleaning costs

Location (Assumed areas)	Showrooms like those in museums (walls are covered by glass showcases) (wall surface cleaning included)		Office floor		Restrooms for staff (2 restroom stalls and 2 washstands)	
Assumption	Floor: Carpet Area: 300 m <sup>2</sup>		Floor: Carpet Area: 100 m <sup>2</sup>		Floor: Hard floor or tile Area: 10 m <sup>2</sup>	
Type of cleaning	Daily cleaning	Regular cleaning	Daily cleaning	Regular cleaning	Daily cleaning	Regular cleaning
Assumed cleaning details	Floor: Sweep and wipe Glass showcase: Wipe areas with finger marks with detergent	(Floor) Remove dust → Wash → Rinse → Dry	Roughly pick up rubbish and remove dust	Remove dust → Wash → Rinse → Dry	Mop the floor, clean the toilet bowls and washstands, replenish consumable items (consumable items shall be provided by the Participants)	Machine-wash the floor
Conditions	Wall: Up to 1.5 metre above the floor (within arm's reach)	The cleaning of showcases is out of scope.	Floor only. Desks are out of scope.	After drying, fixtures shall be returned to the original position by the Participants.		
Unit price per cleaning (30 days)	75,000 (Yen/100 m <sup>2</sup> )	13,333 (Yen/100 m <sup>2</sup> )	45,000 (Yen/100 m <sup>2</sup> )	13,333 (Yen/100 m <sup>2</sup> )	30,000 (Yen)	-
Unit price per cleaning (Regular cleaning)		120,000		40,000		-
Frequency during the Expo event period	Once/day	Twice	Once/day	Twice	Once/day	



### 10. Layout of waste/cleaning-related facilities

The layout of waste collection points, the Clean & Waste management centre, the On-site waste treatment facility, cleaning staff stations in the Expo Site is shown below:

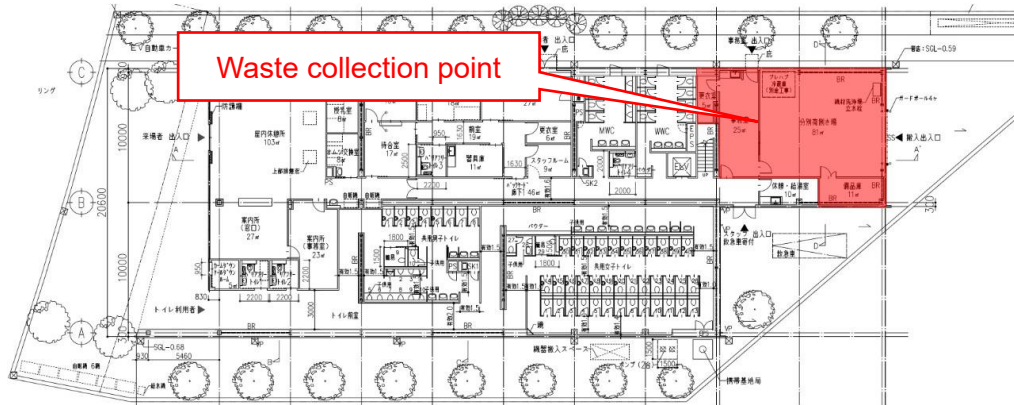


#### 10-1. Layout of each waste/cleaning-related facility

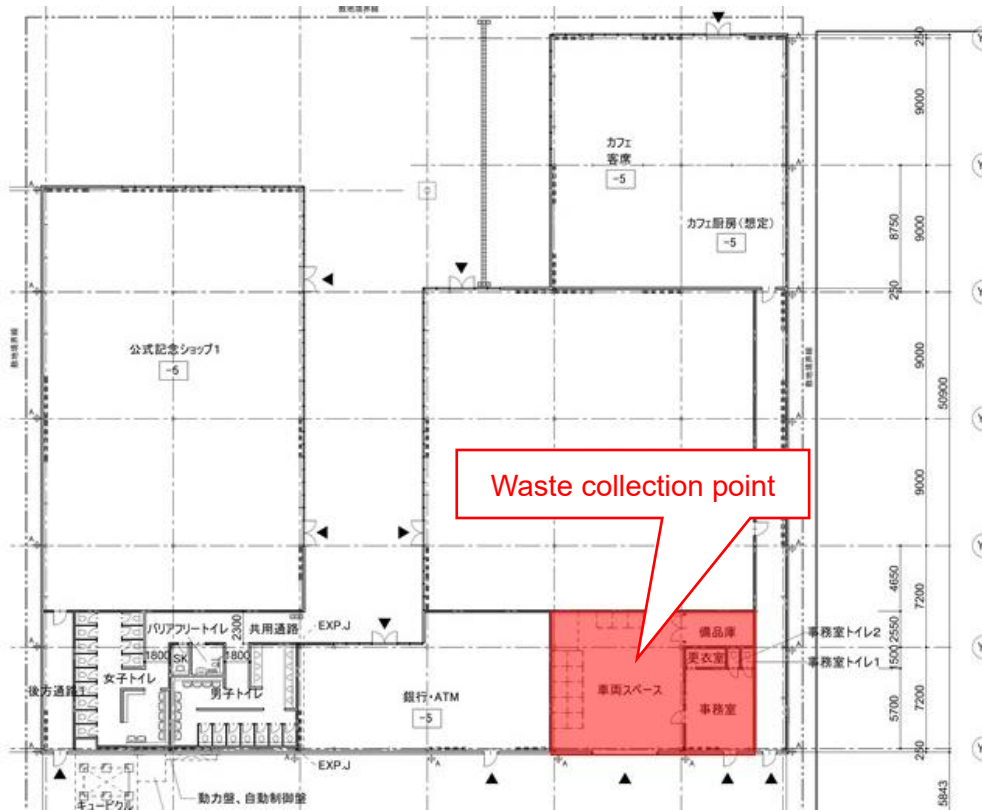
(1) Waste collection point --- Administration Office (East Building)



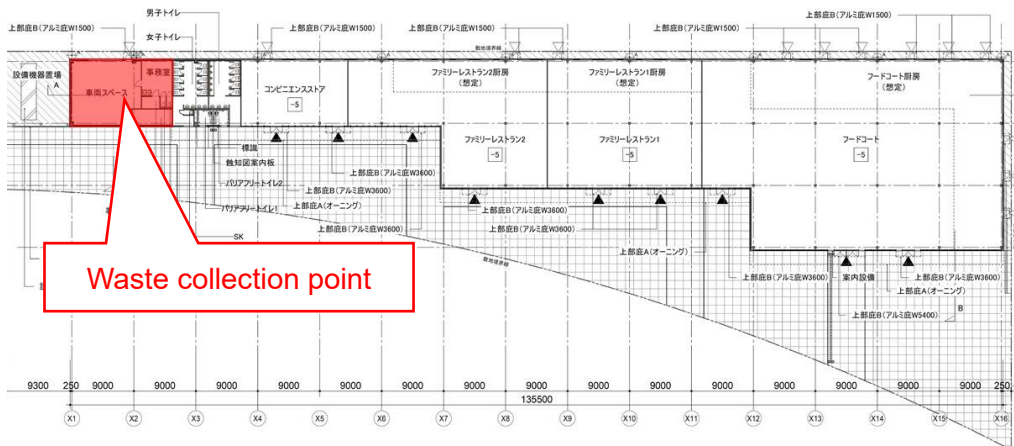
(2) Waste collection point --- Service management facility (Southeast)



(3) Waste collection point --- Concession facility (East Entrance)



(4) Waste collection point --- Concession facility (PW East)



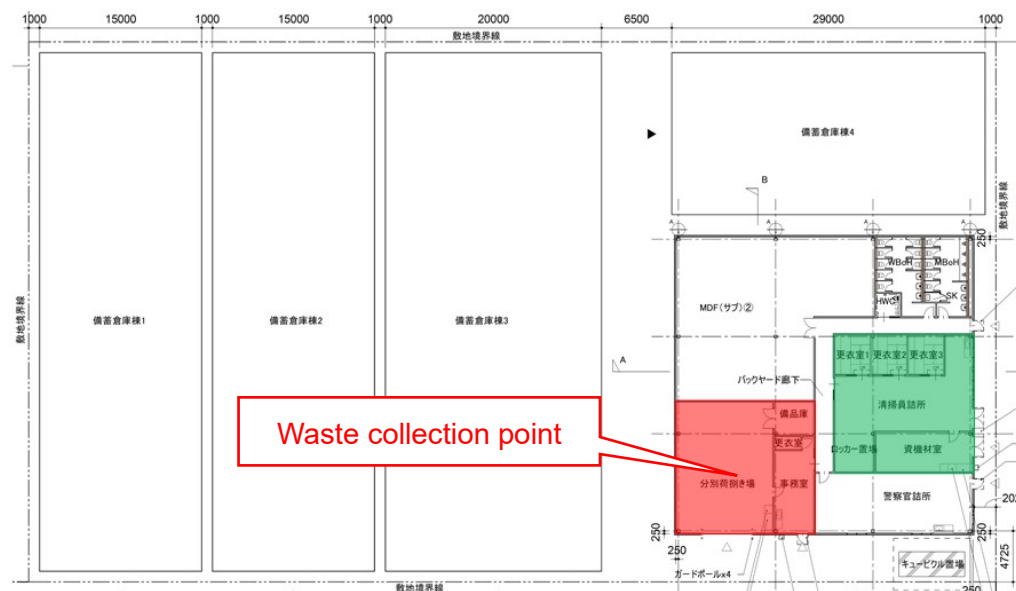
(5) Waste collection point --- Utility facility (Northwest)



(6) Waste collection point --- West Entrance Building (Building A)



(7) Waste collection point --- Service management MDF facility (Southwest)

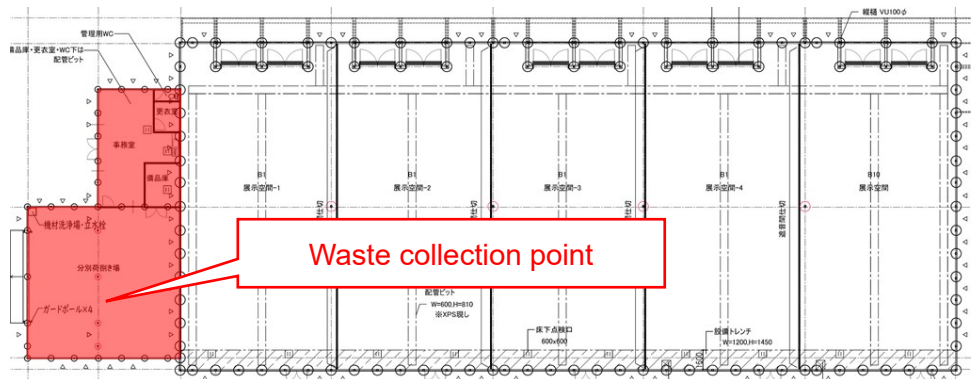




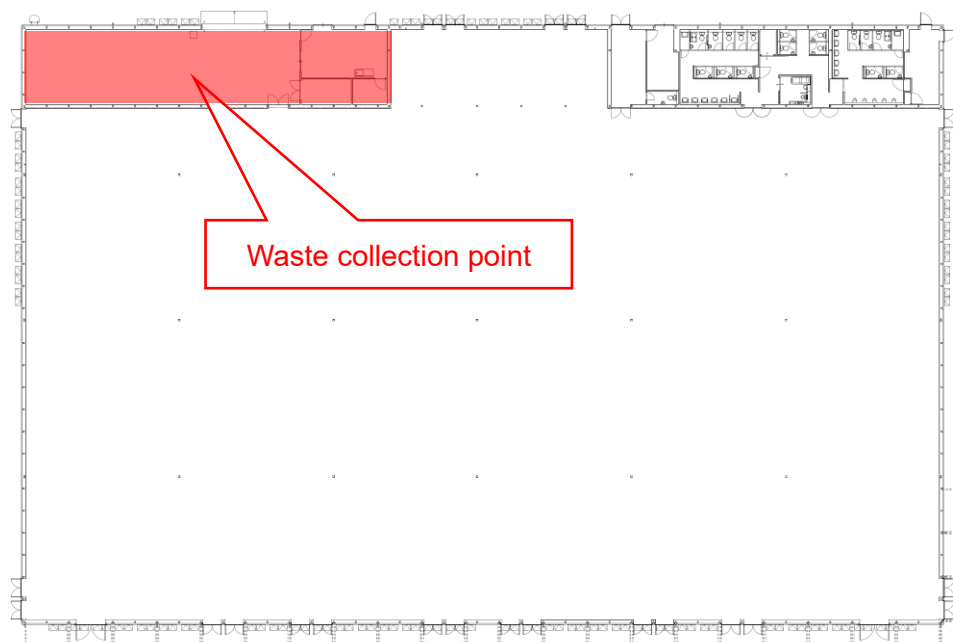
(8) Waste collection point --- Shared Pavilion (CS-2)



(9) Waste collection point --- B1 Pavilion (West)



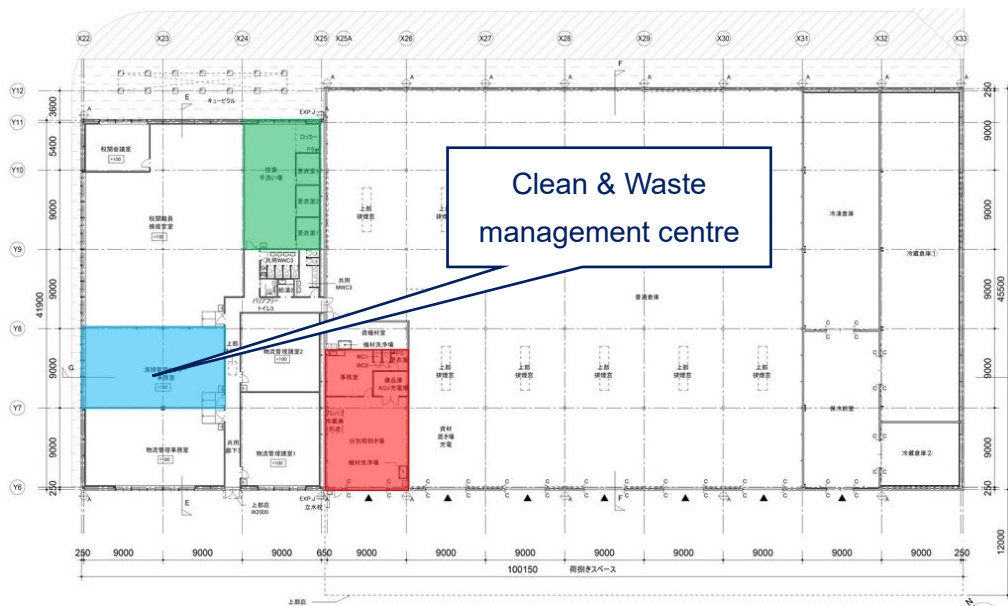
(10) Waste collection point --- Shared Pavilion (CE)



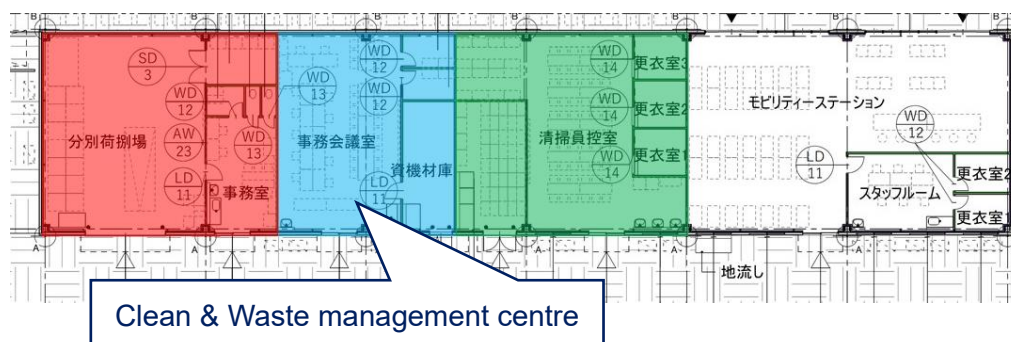
(11) Waste collection point --- Shared Pavilion (CC)



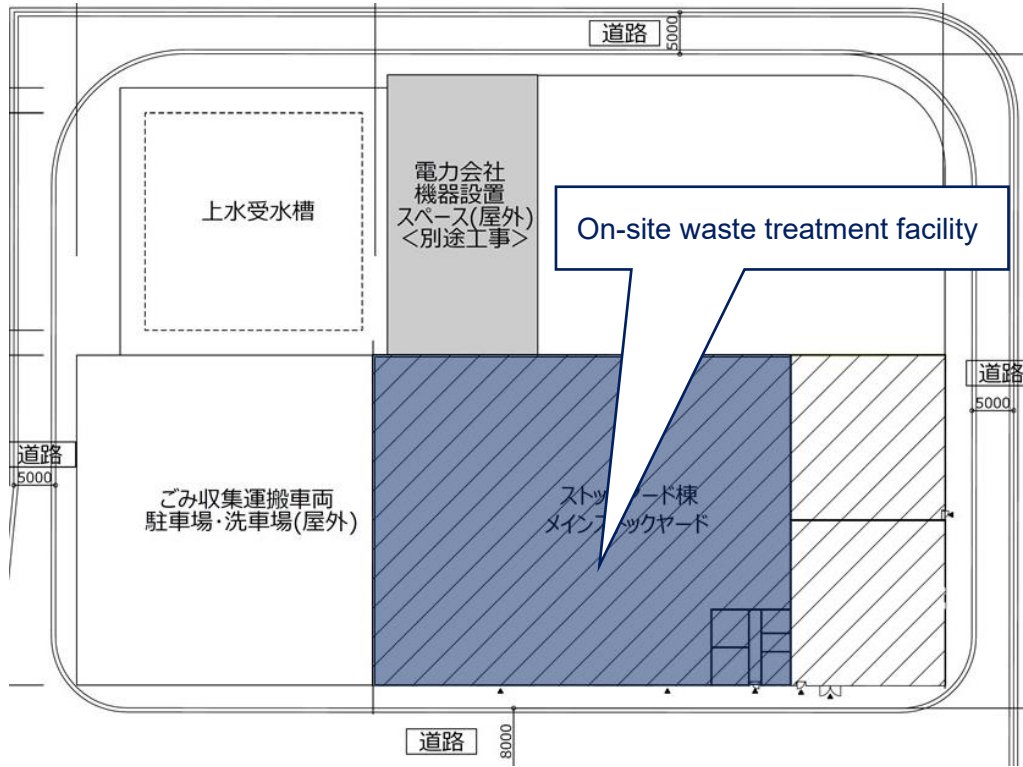
(12) Clean & Waste management centre --- Administration Office (East Building)



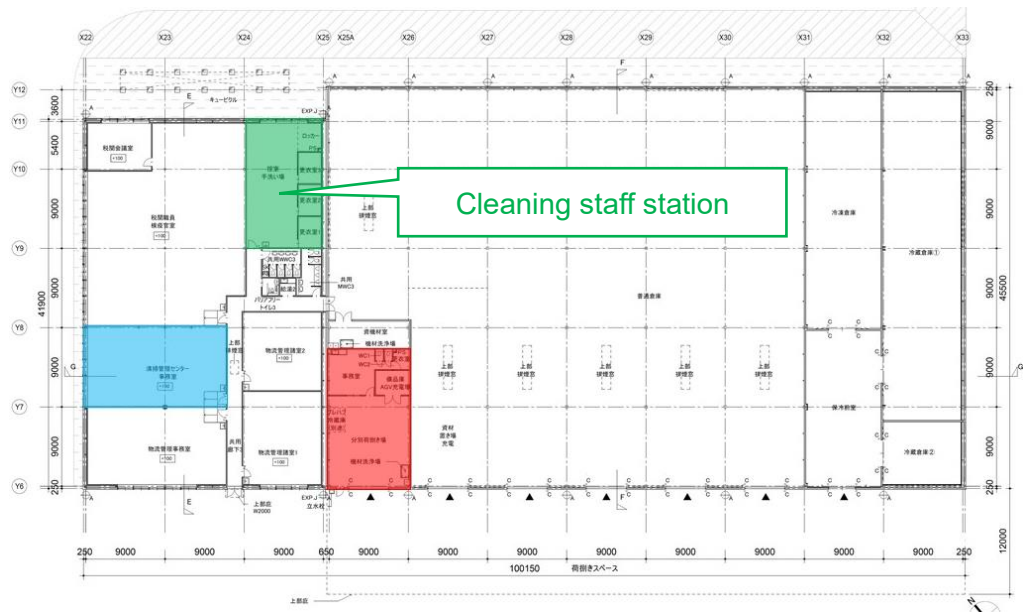
(13) Clean & Waste management centre --- West Entrance Building (Building A)



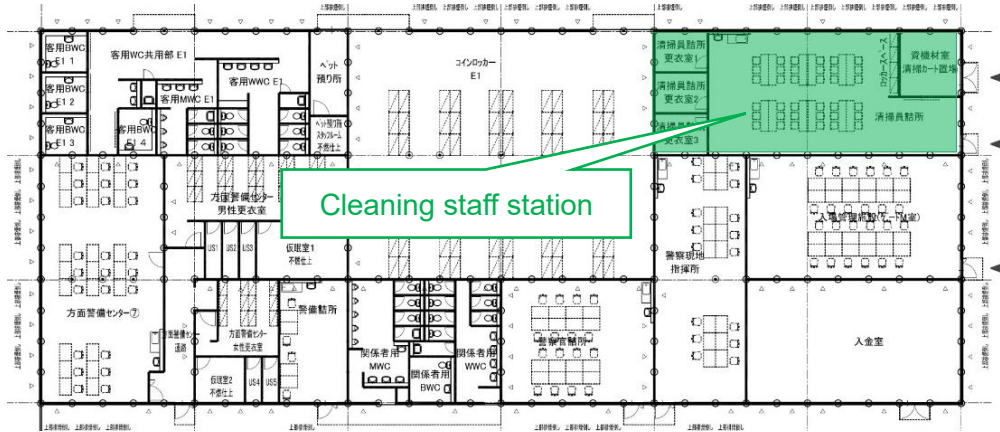
(14) On-site waste treatment facility --- Utility facility (Southeast)



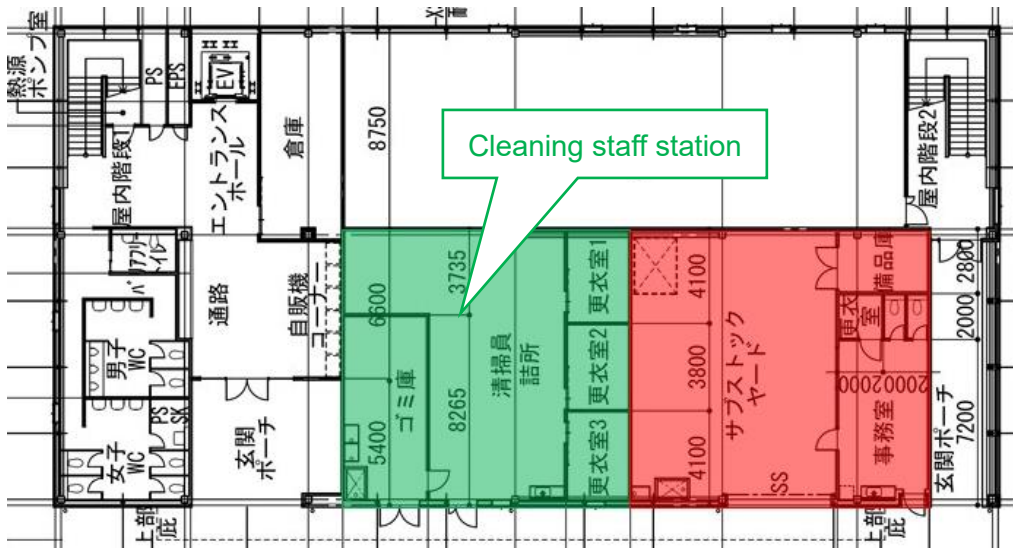
(15) Cleaning staff station --- Administration Office (East Building)



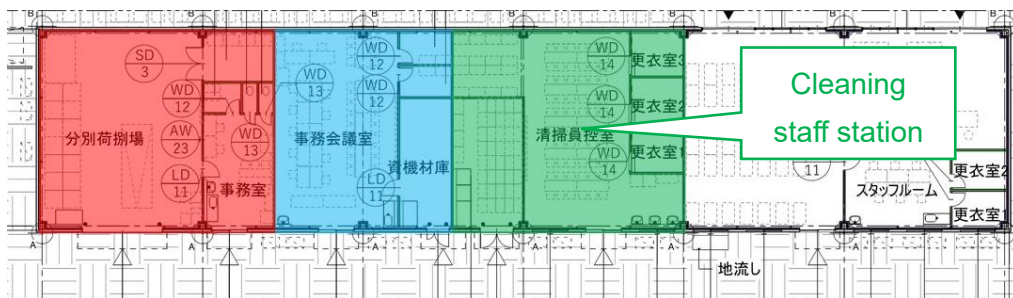
(16) Cleaning staff station --- East Gate facility (East Building)



(17) Cleaning staff station --- Utility facility (Northwest)

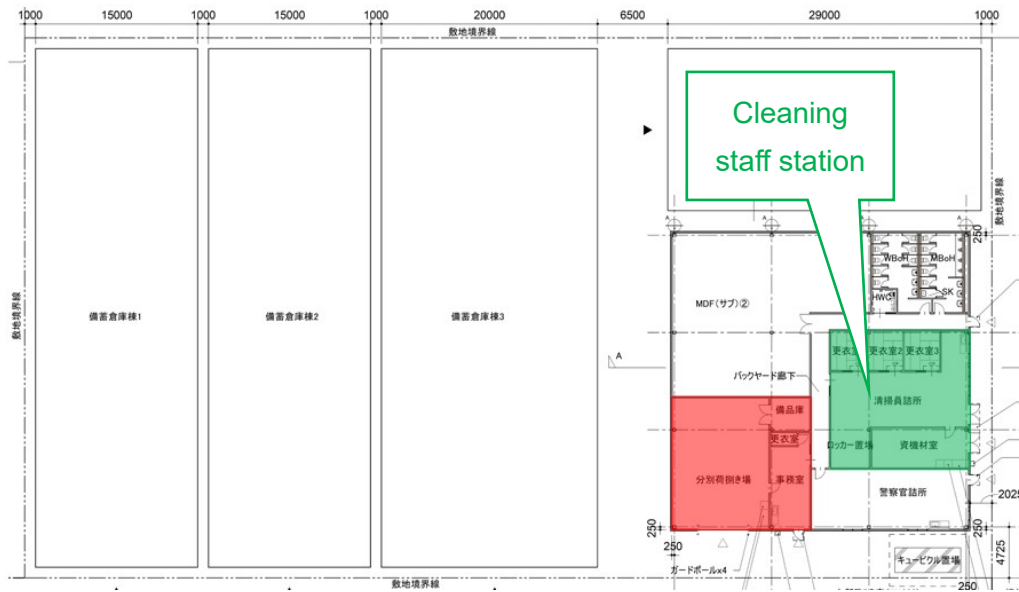


(18) Cleaning staff station --- West Entrance Building (Building A)





(19) Cleaning staff station --- Service management facility (Southwest)



(Reference) Waste collection point (2005 World Exposition, Aichi, Japan)



Outside shot of stockyard



Inside (Measurement)



Inside (Separated storage)

10-2. Business hours of waste/cleaning-related facilities

[Waste-related facilities]	The 13th of January (*) to the 31st of March, 2025 (Close: Saturday, Sunday and bank holidays)	The 1st to the 12th of April, 2025 (Open everyday)	The 13th of April to the 13th of October, 2025 (Open everyday)	The 14th to the 20th of October, 2025 (Open everyday)
Waste collection point (only (1))	9:00 -17:00			
Waste collection point ((2) - (11))	—	9:00 -17:00	8:00 - 23:00	9:00 -17:00
Clean & Waste management centre.	9:00 -17:00			
On-site waste treatment facility				
[Cleaning-related facilities]	The 13th of January (*) to the 9th of March, 2025 (Close: Saturday, Sunday and bank holidays)	The 10th of March to the 12th of April, 2025 (Until the end of March / Close: Saturday, Sunday and bank holidays) (Open everyday from the 1st of April and onward)	The 13th of April to the 13th of October, 2025 (Open everyday)	The 14th to the 16th of October, 2025 (Open everyday)
Clean & Waste management centre.	9:00 -17:00			
Cleaning staff station (only (15))		9:00 -17:00	7:00 - 23:00	9:00 -17:00
Cleaning staff station ((16) - (19))		—		

\* The schedule above is based on the expected handover timing of the cleaning/waste-related facilities such as stockyards and cleaning staff stations. In the event where the handover of such facilities is delayed, the start of the operation will also be delayed.

11. Forms

11-1. Waste Disposal Status Report (Form 1)

[Form 1]

## Waste Disposal Status Report

Date : The DDth of MMMM, 20YY

To the Japan Association for the 2025 World Exposition

Name of reporter \_\_\_\_\_

(In the case of a corporation, enter the name of the corporation and its representative.)

I hereby report the status of our own waste disposal pursuant to Section 4-2 of the Guidelines for Proper Management of Waste.

Information on facility in which waste is generated	
Facility number	
Facility name	
Information on waste that is disposed of	
Item	
Volume	kg
Planned date of disposal	The DDth of MMMM, 20YY
Date of disposal	The DDth of MMMM, 20YY
Disposal method	
Recycling method and recycled volume	
Name of waste management company	
Note	

[Form 2]

The DDth of MMMM, 20YY

# Letter of Authority for Proper Management of Industrial Waste

I (the principal) hereby designate the Japan Association for the 2025 World Exposition (the Organiser) as an agent and delegate following matters relating to the management of industrial waste to it.

I understand that delegating tasks relating to the management of industrial waste does not mean the transfer of my responsibility, as a waste generator, for the management of industrial waste to the Organiser and that such responsibility is still fully borne by myself.

■ Agent

Address: 43F, Osaka Prefectural Government Sakishima Building, 1-14-16 Nankokita, Suminoe Ward, Osaka City

Name: Japan Association for the 2025 World Exposition

### Matters to be delegated

During the operation period designated by the Organiser and relating to industrial waste generated from offices and facilities in the Expo Site:

- 1 Administrative tasks relating to the conclusion of entrustment contracts with industrial waste collection and transport service and industrial waste disposal service
- 2 Administrative tasks relating to the issuance and management of industrial waste control documentation (manifests)

Principal

Address: .....

Name: ..... [Seal] .....

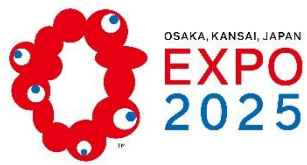
(In the case of a corporation, enter the name of the corporation and its representative.)



**Contact**

The Official Participants can send inquiries concerning the content of this Guide or uncertainties concerning procedures to the Organiser using the Queries function in the online portal for the Official Participants.

If you have any trouble using the online portal for the Official Participants, please contact us by email to ; [participant@expo2025.or.jp](mailto:participant@expo2025.or.jp)



**Bureau  
International  
des Expositions**

Japan Association for the 2025 World Exposition