2. Basic PRTR implementation procedures

This section describes basic PRTR procedures for a metal product manufacturer, who receives metal products (metal plates), coats them on its own site, and delivers them as products. The conditions of this example are shown in Figs. 2-1 and 2-2 and Table 2-1.

① Procedure of determining businesses and substances requiring notification (→ 2-1 (pI-15))
② Procedure of calculating released/transferred quantity (→ 2-2 (pI-33))
③ Notification procedures (→ 2-3 (pI-60)

For a more detailed description, refer to Parts II and III of this manual, or manuals for each category of business created by the relevant business association.

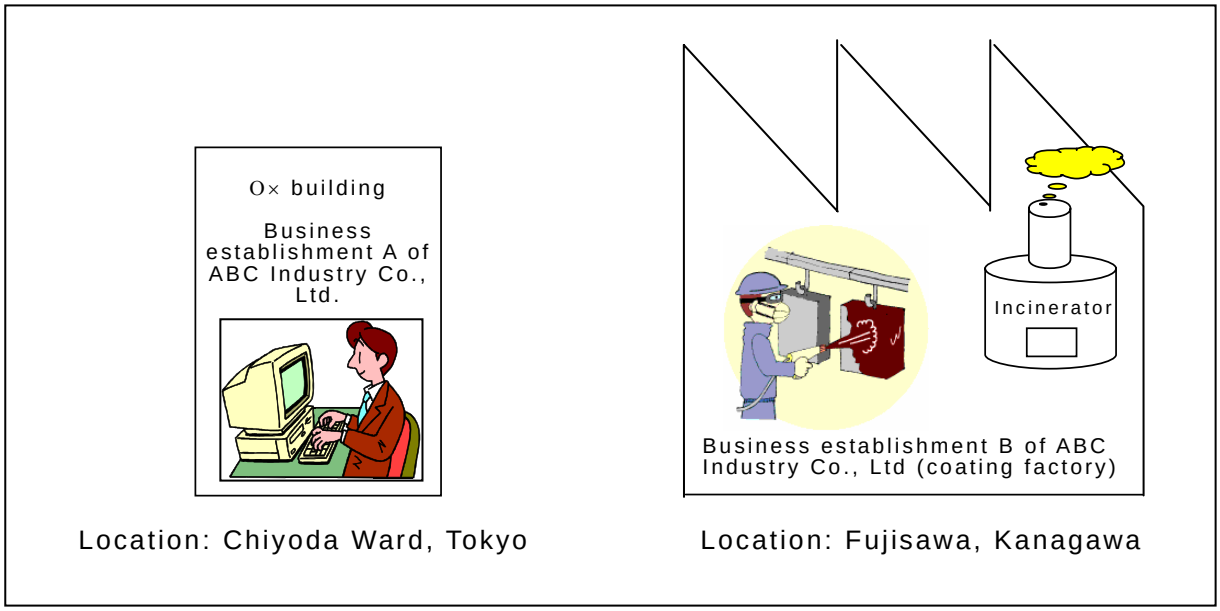

Fig. 2-1 Schematic diagram of the activities of the example company

Table 2-1 Conditions of example company

(1) Name of business: ABC Industry Co., Ltd

(Joint venture of Sakuradamon Co., Ltd. and Chiyoda Co., Ltd., who previously submitted notifications)

(2) Outline of the business

① Business establishment A

Address	1-2-2 Kasumigaseki, Chiyoda Ward, Tokyo 100-0013
Number of full-time employees	10 (As of April 1: Full-time employees; 7, Long-term part-timers; 3)
Outline of business	General affairs including conclusion of contracts and employee management

② Business establishment B
(Joint venture of factory No. 1 of Sakuradamon Co., Ltd. and Tokyo factory of Chiyoda Co., Ltd. who previously submitted notifications)

Address	///// Asahi-cho, Fujisawa, Kanagawa prefecture 251-////
Number of full-time employees	30 (As of April 1: Full-time employees; 20, Long-term part-timers; 10)
Outline of business	Coating of metal plates

(3) Handling of substances requiring notification in business establishment B

① Outline of work area where specified substances are handled:

Coating method	Spray coating by airless spray in washing booth (See Fig. 2-2 (1).)
Exhaust gas treatment facility	Treatment by combustion (Removal rate/decomposition rate: 99.5%)
Effluent treatment facility	None
Effluent discharged to	The O × River

② Raw materials and materials containing specified substances

- Paint A

Annual quantity purchased	20 t/year		
Stock at beginning of fiscal year	4.5 t		
Stock at end of fiscal year	2.4 t		
Content of specified substances listed in MSDS*	Material number	Name of Specified Substance	Content
	63	Xylene	20%
	69	Hexavalent chromium compounds	3.0%
	227	Toluene	10%
	230	Lead and its compounds	2.0%

- Thinner B:

Annual quantity purchased	10 t/year		
Stock at beginning of fiscal year	1.1 t		
Stock at end of fiscal year	1.8 t		
Content of specified substances listed in MSDS*	Material number	Name of Specified Substance	Content
	63	Xylene	40%
	227	Toluene	10%

③ Waste generated

Type of Waste	Quantity Generated	Content of Specified Substance	Waste Treatment
Spent paint	140 kg/year	Unknown	Delivery to industrial waste management contractor
Spent thinner	70 kg/year	Unknown	
Paint residue	5500 kg/year	Unknown	Landfill disposal to controlled landfill site within business establishment

④ Others: When waste paper generated within the business establishment is treated in an incinerator (Fig. 2-2 (2))

Capacity of treatment	200 kg/h
Service hours	200 days/year, Average 4 hours/day
Quantity of exhaust gas	340 Nm^3/h
Dioxin concentration in exhaust gas	2.2 ng-TEQ/Nm^3
Quantity of incineration ash generated	0.46 t/year → Incineration ash is delivered to industrial waste management contractor
Dioxin concentration in incineration ash	3.1 ng-TEQ/g

* MSDS (Material Safety Data Sheet): Data sheet that indicates the properties, handling method, toxicity information, content of the specified substances or products containing them (available in paper format, MO disk, etc.)

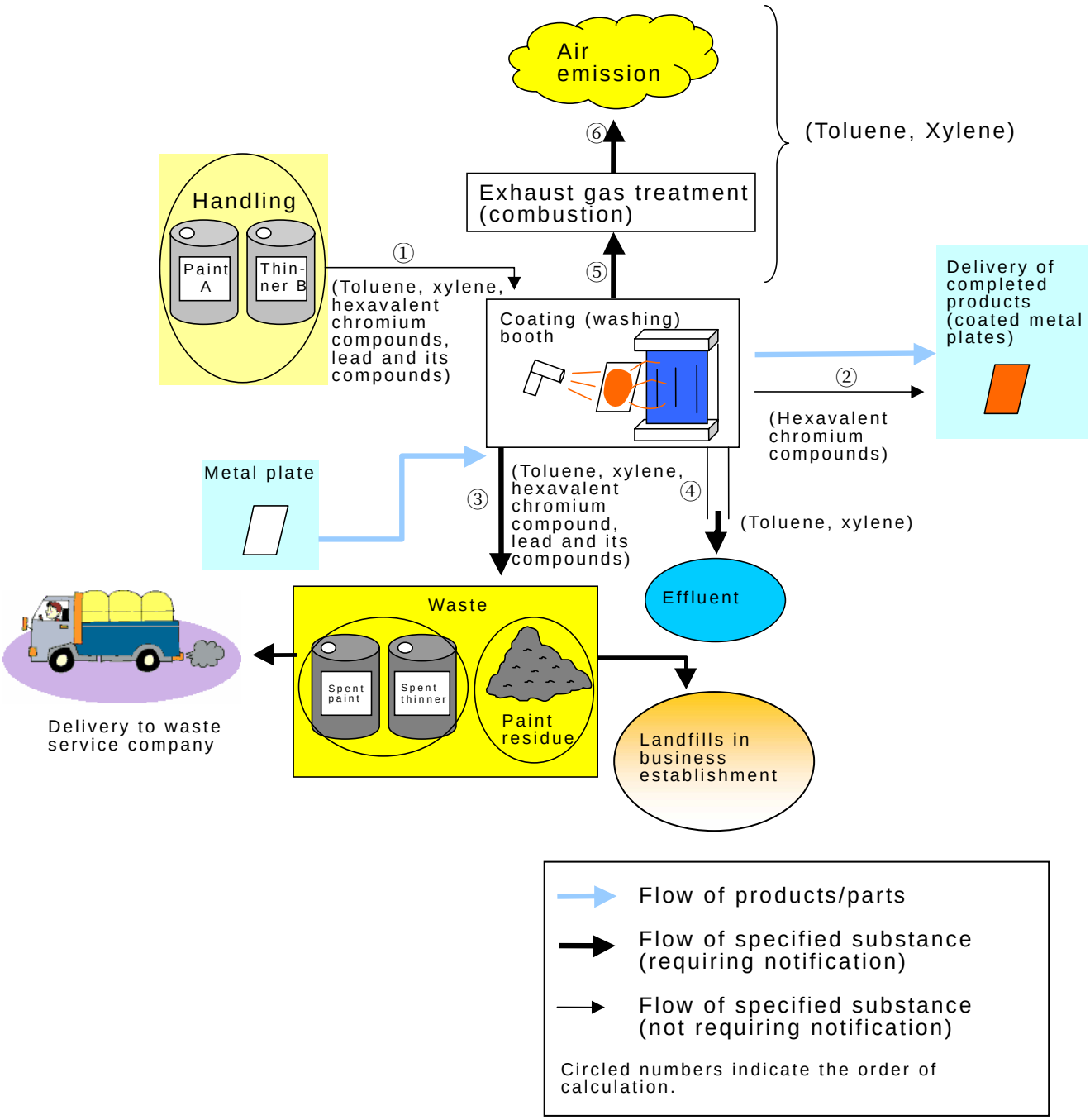

Fig. 2-2 (1) Spray coating work by example business establishment B

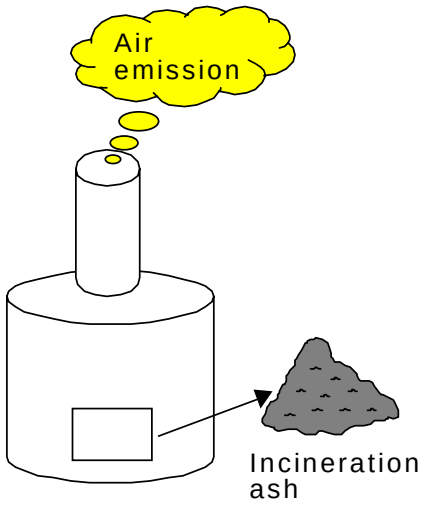

Fig. 2-2 (2) Waste incinerator of example business establishment B