

# Waste codes



Environment  
Protection  
Authority Victoria

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Guideline

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## Introduction

### Purpose

This Guideline forms part of the Industrial Waste Resource Guidelines, which offer guidance for wastes and resources regulated under the Environment Protection (Industrial Waste Resource) Regulations 2009 (Regulations). It has been produced primarily to assist the producers, transporters and receivers of prescribed industrial waste (PIW) in completing waste transport certificates (paper and electronic) (Certificates). The codes required to complete these Certificates are included in table format in Lists 1 to 5.

The waste codes (List 1) and treatment codes (List 5) are also used in EPA issued licences to specify the types of PIW that can be accepted at a licensed premises and how those wastes can be treated or disposed of.

Treatment codes (List 5) are used in EPA issued vehicle permits to specify the types of PIW the vehicle is authorized to transport.

### Legal status

Part 4 of the Regulations provides that a prescribed industrial waste producer must complete a Certificate for every consignment of PIW transported from the premises of that waste producer.<sup>1</sup> Waste transporters are also required to complete Certificates for each consignment of PIW which they transport, while waste receivers must also provide waste transporters and EPA with certain information.<sup>2</sup> Any information provided pursuant to the above must be correct.<sup>3</sup>

Prescribed industrial waste producers, waste transporters and waste receivers are also required to retain information that they have either received as part of the completion of Certificates, or that they have sent to EPA under r. 33 of the Regulations.<sup>4</sup>

A failure to comply with any of the above regulatory requirements is an offence punishable by a fine of 20 penalty units.

This guideline provides information and advice for accurately completing Certificates. EPA will take into account whether this guideline has been followed when assessing compliance with Part 4 of the Regulations.

Acceptance of PIW at a licensed premises must be in accordance with the conditions of that premises' licence. Similarly, transport of PIW by a vehicle must be in accordance with that vehicle's permit and all relevant sections of the Australian Dangerous Goods Code (ADG Code)<sup>5</sup> as published by the National Transport Commission.<sup>6</sup>

<sup>1</sup> Regulation 33(1) of the Regulations

<sup>2</sup> Regulation 33(2)-(3) of the Regulations

<sup>3</sup> Regulation 34 of the Regulations

<sup>4</sup> Regulation 35 of the Regulations

<sup>5</sup> The ADG Code has been adopted in Victoria pursuant to s 10 of the *Dangerous Goods Act 1985*

<sup>6</sup> The most recent version of the ADG Code can be accessed at [www.ntc.gov.au/heavy-vehicles/safety/australian-dangerous-goods-code/](http://www.ntc.gov.au/heavy-vehicles/safety/australian-dangerous-goods-code/)



# Waste codes

## List 1: Waste code and form, UN Number, UN Class and Packing Group

List 1 contains the waste code and form, UN number, UN class and packing group for the listed types of PIW. This information must be supplied in Part A of waste transport certificates by the PIW producer.

### (i) Waste code and form

The waste code is a four-character code that corresponds to a particular type of waste.

The waste form is the physical state of the waste: liquid = L, sludge = P, solid = S, or a mixture or assortment = M (e.g. a mixture of clinical wastes and laboratory chemicals).

For easy referral, wastes are grouped in sections by generic names (such as pesticides, solvents, oils), specific types (cyanides, reactive chemicals) or constituents (inorganic chemicals, organic chemicals).

#### Examples

Liquid PCBs

L	M100
S	N120
S	N121
S	N180
S	N220

Category B contaminated soil

Category C contaminated soil

PIW that is solidified or polymerised

Asbestos

### (ii) UN number

United Nations (UN) numbers are universally recognised four-digit numbers identifying or describing various dangerous goods. They are designated by the United Nations and are adopted in the ADG Code.

Where a waste has a specific UN number, this must be used in the completion of the waste transport certificate. If no specific UN number exists, there are more general UN numbers that can be used. In most cases, List 1 provides the appropriate UN number. However, if a more appropriate UN number is available for the waste or if the UN number is not specified in List 1, the ADG Code should be used as a guide. When transporting non-hazardous PIW, '30XY' is used as the UN number.

### (iii) UN Class

The UN class numbers specified in List 1 need to be specified in a waste transport certificate. If a specific class number does not exist for the particular waste type, the ADG Code can be consulted. If more specific information regarding the particular waste is known, another class label may be more appropriate than the class listed in List 1. Waste classified as 30XY does not need a UN class number.

### (iv) Packing group

In the ADG Code, dangerous goods classes (other than UN Classes 1, 2, and 7) are assigned to packing groups according to the degree of risk the goods present during transport.

Packing group I	Great danger
Packing group II	Medium danger
Packing group III	Minor danger

Where dangerous goods present multiple hazards, they are assigned to the packing group that applies to the most severe of the hazards presented by the goods.

The packing group for each waste (where appropriate) is provided in List 1. If more specific information regarding the particular waste is known, another packing group may be more appropriate. For further information regarding packing groups for dangerous goods, see the ADG Code. Waste classified as 30XY need not be assigned a packing group.

# Waste codes

## List 1: Waste code and form, UN Number, UN Class and Packing Group

KEY: Waste form: L = liquid; S = solid; P = sludge; and M = mixture or assortment of wastes  
 \* means a specific UN number, Class or Packing group (as applicable) does not exist and so the most appropriate UN number, Class or Packing group (as applicable) must be determined in accordance with the ADG Code

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group
1	Cyanides	Cyanide-containing wastes	L	A100	1935	6.1	I, II or III
			P	A100	1935	6.1	I, II or III
			S	A100	1588 or 2811	6.1	I, II or III
2	Acids	Acids in a solid form or acidic solutions with pH value of 4 or less	L	B100	*	8	I, II or III
			P	B100	*	8	I, II or III
			S	B100	*	8	I, II or III
3	Alkaline Wastes	Alkaline solids or alkaline solutions with pH value of 9 or more, including caustic soda, alkaline cleaners and waste lime	L	C100	*	8	I, II or III
			P	C100	*	8	I, II or III
			S	C100	*	8	I, II or III
4	Inorganic chemicals	Metal carbonyls	L	D100	3281	6.1	I, II or III
			P	D100	3281	6.1	I, II or III
			S	D100	3281	6.1	I, II or III
		Inorganic fluorine compounds, excluding calcium fluoride	L	D110	3287	6	I, II or III
			P	D110	3287	6	I, II or III
			S	D110	3288	6	I, II or III
		Mercury and mercury compounds	L	D120	2024 or 2809	6.1 or 8	I, II or III
			P	D120	2024 or 2809	6.1 or 8	I, II or III
			S	D120	2025	6.1	I, II or III
		Equipment and articles containing mercury	L	D121	2809	8	III
			S	D121	2025	6.1	I, II or III
		Arsenic and arsenic compounds	L	D130	1556	6.1	I, II or III
			P	D130	1556	6.1	I, II or III
			S	D130	1557	6.1	I, II or III
		Chromium compounds (hexavalent and trivalent)	L	D140	3287	6.1	I, II or III
			P	D140	3287	6.1	I, II or III
			S	D140	3288	6.1	I, II or III
		Tannery wastes containing chromium	L	D141	3287	6.1	I, II or III
			P	D141	3287	6.1	I, II or III
			S	D141	3288	6.1	I, II or III
		Cadmium and cadmium compounds	L	D150	3287 or 2810	6.1	III
			P	D150	2570	6.1	III
			S	D150	2570	6.1	III
		Beryllium and beryllium compounds	L	D160	3287 or 2810	6.1	II or III
P	D160		1566	6.1	II or III		
S	D160		1566	6.1	II or III		

# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group
4	Inorganic chemicals <i>continued</i>	Antimony and antimony compounds	L	D170	3141	6.1	III
			P	D170	3141	6.1	III
			S	D170	1549	6.1	III
		Thallium and thallium compounds	L	D180	1707	6.1	II
			P	D180	1707	6.1	II
			S	D180	1707	6.1	II
		Copper compounds	L	D190	*	*	*
			P	D190	*	*	*
			S	D190	*	*	*
		Cobalt and cobalt compounds	L	D200	*	*	*
			P	D200	*	*	*
			S	D200	*	*	*
		Nickel compounds	L	D210	*	*	*
			P	D210	*	*	*
			S	D210	*	*	*
		Lead and lead compounds	L	D220	2291	6.1	III
			P	D220	2291	6.1	III
			S	D220	2291	6.1	III
		Zinc compounds	L	D230	*	*	*
			P	D230	*	*	*
			S	D230	*	*	*
		Selenium and selenium compounds	L	D240	*	*	*
			P	D240	*	*	*
			S	D240	*	*	*
		Waste containing silver from the production, formulation and use of photographic chemicals and processing materials	L	D261	3082	9	III
			P	D261	3082	9	III
			S	D261	3077	9	III
		Barium compounds	L	D290	*	*	*
			P	D290	*	*	*
			S	D290	*	*	*
Non-toxic salts including sodium chloride, calcium chloride	L	D300	30XY				
	P	D300	30XY				
	S	D300	30XY				
Boron compounds	L	D310	*	*	*		
	P	D310	*	*	*		
	S	D310	*	*	*		

# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group		
4	Inorganic chemicals <i>continued</i>	Inorganic sulfur containing compounds	L	D330	*	*	*		
			P	D330	*	*	*		
			S	D330	*	*	*		
		Phosphorus compounds, excluding mineral phosphates.	L	D360	*	*	*		
			P	D360	*	*	*		
			S	D360	*	*	*		
		Inorganic chemicals not otherwise specified in this item	L	D390	3287	6.1	I, II or III		
			P	D390	3287	6.1	I, II or III		
			S	D390	3288	6.1	I, II or III		
		Smelter waste containing prescribed industrial waste	S	D400	3077	9	III		
		5	Reactive chemicals	Oxidising agents (including peroxides) not otherwise specified in this item	L	E100	3139	5.1	I, II or III
					P	E100	3139	5.1	I, II or III
S	E100				1479	5.1	I, II or III		
Waste of an explosive nature not subject to other Victorian legislation, including azides	L			E120	*	*	*		
	P			E120	*	*	*		
	S			E120	*	*	*		
Highly reactive chemicals not otherwise specified in this item	L			E130	*	*	*		
	P			E130	*	*	*		
	S			E130	*	*	*		
6	Paints, lacquers, varnish, resins, inks, dyes, pigments, adhesives  <i>Note: This section applies to the wastes generated (not the raw materials) in the production, formulation and use. For waste architectural and decorative paints refer to the Industrial Waste – Classification for Architectural and Decorative Paint</i>			Aqueous-based wastes from the production, formulation and use of paints, lacquers, varnish, inks, dyes and pigments	L	F100	3082	9	III
					P	F100	3082	9	III
					S	F100	3077	9	III
		Aqueous-based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	L	F110	3082	9	III		
			P	F110	3082	9	III		
			S	F110	3077	9	III		
		Solvent-based wastes from the production, formulation and use of paints, lacquers, varnish, inks, dyes and pigments	L	F120	3082	9	III		
			P	F120	3082	9	III		
			S	F120	3077	9	III		
		Solvent-based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	L	F130	3082	9	III		
			P	F130	3082	9	III		
			S	F130	3077	9	III		
7	Organic solvents and solvent residues	Ethers and highly flammable hydrocarbons, including petrol and jet fuel	L	G100	*	3	II or III		
			P	G100	*	3	II or III		

# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group
7	Organic solvents and solvent residues <i>continued</i>	Non-halogenated organic solvents	L	G110	2810	6.1	I, II or III
			P	G110	2810	6.1	I, II or III
			S	G110	2811	6.1	I, II or III
		Dry-cleaning wastes containing organic solvents, including perchloroethylene	L	G130	2810	6.1	I, II or III
			P	G130	2810	6.1	I, II or III
			S	G130	2811	6.1	I, II or III
		Halogenated organic solvents	L	G150	2810	6.1	I, II or III
			P	G150	2810	6.1	I, II or III
			S	G150	2811	6.1	I, II or III
		Wastes from the production, formulation and use of organic solvents, not otherwise specified in this item	L	G160	*	*	*
			P	G160	*	*	*
			S	G160	*	*	*
8	Pesticides including herbicides and insecticides	Waste from the production, formulation and use of biocides and phytopharmaceuticals, not otherwise specified in this item	L	H100	2902	6.1	III
			P	H100	2902	6.1	III
			S	H100	2588	6.1	II
		Organophosphorus pesticides	L	H110	3018	6.1	III
			P	H110	3018	6.1	III
			S	H110	2783	6.1	II
		Mixed pesticide residue	L	H160	2902	6.1	I
			P	H160	2902	6.1	I
			S	H160	2588	6.1	I
		Copper-chrome-arsenic (CCA)	L	H170	2994	6.1	I
			P	H170	2994	6.1	I
			S	H170	2759	6.1	I
9	Oils, hydrocarbons and emulsions	Waste oils unfit for their original intended use <i>Examples: lubricating and hydraulic waste oils</i>	L	J100	30XY		
			P	J100	30XY		
			S	J100	30XY		
		Waste hydrocarbons	L	J110	30XY		
			P	J110	30XY		
			S	J110	30XY		
		Waste oils and water mixtures or emulsions, and hydrocarbon and water mixtures or emulsions	L	J120	30XY		
			P	J120	30XY		
			S	J120	30XY		
		Triple interceptor waste and stormwater contaminated with oil or hydrocarbons	L	J130	30XY		
			P	J130	30XY		
			S	J130	30XY		

# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group		
9	Oils, hydrocarbons and emulsions <i>continued</i>	Transformer fluids excluding polychlorinated biphenyls	L	J140	3082	9	III		
			P	J140	3082	9	III		
			S	J140	3077	9	III		
		Other oils, hydrocarbons or emulsions not otherwise specified in this item including cutting oils and soluble oils	L	J150	30XY				
			P	J150	30XY				
			S	J150	30XY				
		Tarry residues arising from refining, distillation and any pyrolytic treatment	L	J160	3082	9	III		
			P	J160	3082	9	III		
			S	J160	3077	9	III		
		Used oil filters <i>Note: this waste must be reused or recycled and is prohibited from disposal to landfill. For more information refer to the Oil filters – Classification for reuse</i>	S	J170	30XY				
		10	Putrescible/organic wastes	Animal effluent and residues including abattoir wastes and other wastes from animal processing <i>Examples: poultry wastes, fish and shellfish wastes</i>	L	K100	30XY		
					P	K100	30XY		
S	K100				30XY				
Grease interceptor trap effluent <i>Note: this waste must be reused or recycled and is prohibited from disposal to landfill. For more information refer to the Grease interceptor trap effluent – Classification for reuse</i>	L			K120	30XY				
	P			K120	30XY				
	S			K120	30XY				
Tannery wastes (not containing chromium) and wool scouring wastes	L			K140	3082	9	III		
	P			K140	3082	9	III		
	S			K140	3077	9	III		
Food and beverage processing wastes <i>Note: For unprocessed used cooking fats and oils, the Industrial Waste – Classification for unprocessed used cooking fats and oils may apply</i>	L			K200	30XY				
	P			K200	30XY				
	S			K200	30XY				
11	Industrial washwaters <i>Note: This section only applies to wastes that are predominantly water. Wastes that are mainly solid should be managed under the most appropriate description of waste</i>	Car and truck washwaters	L	L100	30XY				
			P	L100	30XY				
		Industrial washwaters from cleaning, rinsing or washing operations not otherwise specified in this item <i>Examples: textile cleaning/processing effluent NOS, industrial plant and machinery washwaters and cooling tower washwaters</i>	L	L150	30XY				
			P	L150	30XY				

# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group
12	Organic chemicals	Polychlorinated biphenyls (PCBs) in concentrations over 50 mg per kg	L	M100	2315	9	II
			P	M100	2315	9	II
			S	M100	2315	9	II
		Waste substances and articles containing or contaminated with polychlorinated biphenyls in concentrations over 50 mg per kg	L	M110	2315	9	II
			P	M110	2315	9	II
			S	M110	2315	9	II
		Solvents, oils and materials contaminated with polychlorinated biphenyls in concentrations over 2 mg per kg but less than 50 mg per kg	L	M120	3082	9	III
			P	M120	3082	9	III
			S	M120	3077	9	III
		Non-halogenated, non-solvent organic chemicals, not otherwise specified in this item, including glycol coolant, radiator fluid and brake fluid	L	M130	2810	6.1	I, II or III
			P	M130	2810	6.1	I, II or III
			S	M130	2811	6.1	I, II or III
		Phenol and phenol compounds including halogenated phenols	L	M150	2821	6.1	II or III
			P	M150	2821	6.1	II or III
			S	M150	1671	6.1	II
		Halogenated organic chemicals, not otherwise specified in this item	L	M160	2810	6.1	I, II or III
			P	M160	2810	6.1	I, II or III
			S	M160	2811	6.1	I, II or III
		Organic isocyanate compounds	L	M220	2206	6.1	II or III
			P	M220	2206	6.1	II or III
			S	M220	2206	6.1	II or III
		Amines and other nitrogen compounds	L	M230	*	*	*
			P	M230	*	*	*
			S	M230	*	*	*
		Detergents and surface active agents (surfactants)	L	M250	3082	9	III
			P	M250	3082	9	III
			S	M250	3077	9	III
Highly odorous organic chemicals including mercaptans and acrylates	L	M260	3082	9	III		
	P	M260	3082	9	III		
	S	M260	3077	9	III		



# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group
13	Solid/sludge wastes requiring special handling <i>Note: references to residue in the descriptions of waste in this item mean a trace amount of the original material remaining in the container or bag after emptying</i>	Prescribed industrial waste residues in rigid steel or plastic containers with an original volume less than 200 litres <i>Note: Any contaminants (List 3) must be specified</i>	S	N100	*	*	*
		Prescribed industrial waste residues in rigid steel or plastic containers with an original volume greater than or equal to 200 litres <i>Note: Any contaminants (List 3) must be specified</i> <i>This waste must be reused or recycled and is prohibited from disposal to landfill. For more information refer to the Large containers (≥200L) contaminated with PIW – Classification for reuse</i>	S	N105	*	*	*
		Prescribed industrial waste residues in bags or containers not covered by waste codes N100 or N105 <i>Note: Any contaminants (List 3) must be specified</i>	S	N110	*	*	*
		Category A contaminated soil <i>Note: Any contaminants (List 3) must be specified.</i> <i>Refer to EPA guidance material for details on identifying hazard category</i> <i>These wastes must not be disposed directly to landfill without prior treatment.</i>	P S	N119 N119	3082 3077	9 9	III III
		Category B contaminated soil <i>Note: Any contaminants (List 3) must be specified.</i> <i>Refer to EPA guidance material for details on identifying hazard category</i>	P S	N120 N120	3082 3077	9 9	III III
		Category C contaminated soil <i>Note: Any contaminants (List 3) must be specified.</i> <i>Refer to EPA guidance material for details on identifying hazard category</i>	P S	N121 N121	3082 3077	9 9	III III
		Spent catalysts <i>Note: Any contaminants (List 3) must be specified</i>	L P S	N130 N130 N130	* * *	* * *	* * *
		Fire debris and fire wash-waters that are contaminated with chemicals <i>Note: Any contaminants (List 3) must be specified</i>	L P S	N140 N140 N140	3082 3082 3077	9 9 9	III III III

# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group
13	Solid/sludge wastes requiring special handling  <i>Note: references to residue in the descriptions of waste in this item mean a trace amount of the original material remaining in the container or bag after emptying</i> <i>continued</i>	Fly ash	P	N150	*	*	*
			S	N150	*	*	*
		Prescribed industrial wastes that are immobilised in accordance with a classification issued by EPA Victoria	S	N160	3077	9	III
		Prescribed industrial wastes that are chemically fixed and/or encapsulated	S	N170	3077	9	III
		Prescribed industrial waste that are solidified or polymerised	S	N180	3077	9	III
		Filter cake	P	N190	3082	9	III
			S	N190	3077	9	
		Ion-exchange column residues	P	N200	*	*	*
			S	N200	*	*	*
		Residues from pollution control operations, not otherwise specified in this item (including activated carbon, baghouse dust, residues from industrial waste disposal operations and leachate)	L	N210	*	*	*
			P	N210	*	*	*
			S	N210	*	*	*
		Asbestos including asbestos in fill material soil  <i>Note: If soil containing asbestos is category A, B or C contaminated soil the description of waste for that category applies and asbestos needs to be specified as a contaminant</i>	P	N220	2212 or 2590	9	II or III
			S	N220	2212 or 2590	9	II or III
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	P	N230	3082	9	III		
	S	N230	3077	9	III		
Absorbents contaminated with prescribed industrial waste residues  <i>Examples: rags contaminated with oils, hydrocarbons and organic solvents</i> <i>Note Any contaminants (List 3) must be specified.</i> <i>Refer to EPA guidance material for details on identifying hazard category.</i> <i>This description of waste does not apply if there is a more specific description of waste (eg Used oil filters)</i>	S	N250	3077	9	III		
Schedule 1 industrial wastes contaminated with prescribed industrial waste residues, not otherwise specified in this item  <i>Note: Any contaminants (List 3) must be specified</i>	S	N260	3077	9	III		

# Waste codes

Item	Section	Description of waste	Waste form	Waste code	UN Number	UN Class	Packing Group		
14	Clinical and pharmaceutical wastes	Clinical and related wastes, including biomedical waste, not otherwise specified in this item	L	R100	3291	6.2	II		
			M	R100	3291	6.2	II		
			S	R100	3291	6.2	II		
		Pathogenic substances and quarantine wastes	L	R110	*	*	*		
			M	R110	*	*	*		
			S	R110	*	*	*		
		Waste from the use of pharmaceutical products, not otherwise specified in this item	L	R120	1851	6.1	II or III		
			M	R120	1851	6.1	II or III		
			S	R120	3249	6.1	II or III		
		Cytotoxic substances	L	R130	2810	6.1	*		
			M	R130	2810	6.1	*		
			S	R130	2810	6.1	*		
		Waste from the production of pharmaceutical products and cosmetics, not otherwise specified in this item	L	R140	*	*	*		
			M	R140	*	*	*		
			S	R140	*	*	*		
		15	Miscellaneous	Waste chemical substances arising from laboratories, research and development, or teaching activities	L	T100	*	*	*
					M	T100	*	*	*
					P	T100	*	*	*
S	T100				*	*	*		
Waste from the production, formulation and use of photographic chemicals and processing materials not containing silver	L			T120	3082	9	III		
	P			T120	3082	9	III		
	S			T120	3077	9	III		
Inert sludges or slurries <i>Note: For drilling muds the Industrial Waste – Classification for drilling mud may apply</i>	P			T130	30XY				
	S			T130	30XY				
Foundry sands	S			T160	3077	9	III		
Waste chemicals in small quantities, not otherwise specified in this item <i>Example: collected household chemicals</i>	L			T170	*	*	*		
	P			T170	*	*	*		
	S			T170	*	*	*		

# Waste codes

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## List 2: Hazard Categories for Solid Prescribed Industrial Waste

EPA Victoria provides guidelines for classifying solid prescribed industrial waste by hazard category. A determination of hazard category must be made before prescribed industrial waste can be disposed to landfill.

Hazard category	Definition	Management requirements
A	Category A waste is prescribed industrial waste as defined in Schedule 2 of the Environment Protection (Industrial Waste Resource) Regulations 2009.	Category A waste must not be disposed directly to landfill without prior treatment to reduce its hazard.
B	Category B waste is prescribed industrial waste as defined in Schedule 2 of the Environment Protection (Industrial Waste Resource) Regulations 2009.	Category B waste must be sent to facilities licensed to accept Category B waste.
C	Category C waste is prescribed industrial waste as defined in Schedule 2 of the Environment Protection (Industrial Waste Resource) Regulations 2009.	Category C waste must be sent to facilities licensed to accept Category C waste.

# Waste codes

## List 3: Contaminant Codes

Waste transport certificates require up to four contaminants to be identified, where applicable. Contaminants should be listed in order of potential hazard.

**KEY:** NOS means not otherwise specified

Contaminant description	Code
Polychlorinated biphenyl and related compounds	1
Halogenated hydrocarbons NOS	2
Mercury and mercuric compounds	3
Chromium and chromium compounds	4
Arsenic and arsenic compounds	5
Cadmium and cadmium compounds	6
Boron compounds	7
Inorganic cyanides	8
Mercaptans, methacrylates and sulfides	9
Lead compounds	10
Copper compounds	11
Zinc compounds	12
Nickel compounds	13
Silver compounds	14
Vanadium compounds	15
Cobalt compounds	16
Fluoride compounds NOS	17
Acidic solutions	18
Basic solutions	19
Asbestos	20
Peroxides	21
Perchlorates	22
Isocyanates and thiocyanates	23
Phenols	24
Organic solvents, excluding halogenated solvents	25
Aromatic compounds NOS	26

Contaminant description	Code
Beryllium and beryllium compounds	27
Selenium and selenium compounds	28
Tin compounds	29
Antimony and antimony compounds	30
Tellurium and tellurium compounds	31
Barium and barium compounds	32
Thallium and thallium compounds	33
Inorganic sulfides	34
Inorganic fluoride compounds	35
Organic cyanides	36
Alkaline or alkaline earth metals	37
Inorganic phosphorus compounds	38
Metal carbonyls	39
Chlorates	40
Azides	41
Pharmaceutical or veterinary compounds	42
Biocides and phytopharmaceutical substances NOS	43
Creosotes	44
Organic phosphorus compounds	45
Ethers	46
Organic nitrogen compounds, especially aliphatic amines	47
Organic nitrogen compounds, especially aromatic amines	48
Explosives	49
Sulfur organic compounds NOS	50
Any congener of polychlorinated dibenzo-furan	51
Any congener of polychlorinated dibenzo-p-dioxin	52

## Waste codes

Contaminant description	Code
Hydrocarbons and its oxygen nitrogen or sulfur compounds NOS	53
Halogenated organic solvents NOS	54
Molybdenum and molybdenum compounds	55
Organochlorine pesticides	56
Phenoxyacetic acid herbicides (including 2,4-D)	57
Phthalates	58
Ethylene diamine tetra acetic acid (EDTA)	59
Nitrogen compounds, including nitrates and nitrites	60
Chloride	61
Iodide	62
Polybrominated compounds	63
Benzene	64
Benzo(a)pyrene	65
C6-C9 petroleum hydrocarbons	66
C10-C36 petroleum hydrocarbons	67
Carbon tetrachloride	68
Chlorobenzene	69
Chloroform	70
Chlorophenol	71
Cresol	72
Dichlorobenzene	73
Dichloromethane	74
Dichlorophenol	75
Dinitrotoluene	76
Ethylbenzene	77
Formaldehyde	78
Hexachlorobutadiene	79

Contaminant description	Code
Methyl ethyl ketone	80
Nitrobenzene	81
PAH NOS	82
Styrene	83
Tetrachloroethane	84
Toluene	85
Trichlorobenzene	86
Trichloroethane	87
Trichlorophenol	88
Vinyl chloride	89
Xylenes	90

# Waste codes

## List 4: Waste Origin Codes

List 4 is an abbreviated list of ANZSIC (Australian and New Zealand Standard Industrial Classification) codes provided by the Australian Bureau of Statistics.

The waste producer must identify the industry from which the waste originates and select the most relevant code for the 'Waste Origin' box in Part A of the waste transport certificate.

KEY: NOS means not otherwise specified

Industry from which waste originates	Waste origin code
<b>Agriculture, forestry and fishing</b>	
Nursery production (under cover)	0111
Nursery production (outdoors)	0123
Mushroom growing	0121
<b>Oil and gas extraction</b>	
Oil and gas extraction	0700
<b>Metal Ore Mining</b>	
Iron ore mining	0801
Bauxite mining	0802
Copper ore mining	0803
Gold ore mining	0804
Silver-lead-zinc ore mining	0807
Other metal-ore mining	0809
<b>Exploration</b>	
Petroleum exploration	1011
Other mining support services	1090
<b>Food Manufacturing</b>	
Meat processing	1111
Poultry processing	1112
Seafood processing	1120
Milk and cream processing	1131
Ice cream manufacturing	1132
Cheese and other dairy product manufacturing	1133
Fruit and vegetable processing	1140
Other food product manufacturing	1190

Industry from which waste originates	Waste origin code
<b>Beverage and tobacco product manufacturing</b>	
Soft drink, cordial and syrup manufacturing	1211
Beer manufacturing	1211
Cigarette and tobacco manufacturing	1220
<b>Textile, leather, clothing and footwear manufacturing</b>	
Wool scouring	1311
Natural textile manufacturing	1312
Synthetic textile manufacturing	1313
Leather tanning, fur dressing and leather product manufacturing	1320
Textile finishing and other textile product manufacturing	1334
<b>Wood and paper product manufacturing</b>	
Timber resawing and dressing	1410
Wood product manufacturing, NOS	1490
Pulp, paper and paperboard manufacturing	1510
Converted paper product manufacturing	1520
Printing and printing support services	1610
<b>Petroleum and coal product manufacturing</b>	
Petroleum refining and petroleum fuel manufacturing	1701
Other petroleum and coal product manufacturing	1709
<b>Basic chemical and chemical product manufacturing</b>	
Industrial gas manufacturing	1811
Basic organic chemical manufacturing	1812
Basic inorganic chemical manufacturing	1813
Synthetic resin and synthetic rubber manufacturing	1821
Other basic polymer manufacturing	1829

# Waste codes

Industry from which waste originates	Waste origin code
<b>Basic chemical and chemical product manufacturing</b>	
Fertiliser manufacturing	1831
Pesticide manufacturing	1832
Human pharmaceutical and medicinal product manufacturing	1841
Cleaning compound and toiletry preparation manufacturing	1850
Cleaning product manufacturing	1851
Cosmetic toiletry preparation manufacturing	1852
Explosive manufacturing	1892
Other basic chemical product manufacturing, NOS	1899
Polymer film and sheet packaging material manufacturing	1911
Rigid and semi-rigid polymer product manufacturing	1912
Polymer foam product manufacturing	1913
Tyre manufacturing	1914
Adhesive manufacturing	1915
Paint and coatings manufacturing	1916
Other polymer product manufacturing	1919
Natural rubber product manufacturing	1920
<b>Non-metallic mineral product manufacturing</b>	
Glass and glass product manufacturing	2010
Clay brick manufacturing	2021
Other ceramic product manufacturing	2029
Cement and lime manufacturing	2031
Plaster product manufacturing	2032
Ready-mixed concrete manufacturing	2033
Other non-metallic mineral product manufacturing	2090
<b>Primary metal and metal product manufacturing</b>	
Iron smelting and steel manufacturing	2110
Iron and steel casting	2121
Steel pipe and tube manufacturing	2122
Alumina production	2131

Industry from which waste originates	Waste origin code
Aluminium smelting	2132
Copper, silver, lead and zinc smelting and refining	2133
Other basic non-ferrous metal manufacturing	2139
Non-ferrous metal casting	2141
Other basic non-ferrous metal product manufacturing	2149
<b>Fabricated metal product manufacturing</b>	
Iron and steel forging	2210
Structural steel fabricating	2221
Architectural aluminium product manufacturing	2223
Metal roof and guttering manufacturing (except aluminium)	2224
Other metal container manufacturing	2239
Sheet metal product manufacturing	2240
Spring and wire product manufacturing	2291
Nut, bolt screw and rivet manufacturing	2292
Metal coating and finishing	2293
Other fabricated metal product manufacturing NOS	2299
<b>Transport equipment manufacturing</b>	
Motor vehicle manufacturing	2311
Automotive electrical component manufacturing	2313
Other motor vehicle parts manufacturing	2319
Shipbuilding and repair services	2391
<b>Machinery and equipment manufacturing</b>	
Professional and scientific equipment manufacturing	2419
Computer and electronic equipment manufacturing	2420
Electrical equipment manufacturing	2430
Other electronic equipment manufacturing	2429
Domestic appliance manufacturing	2440
Whiteware appliance manufacturing	2441
Other machinery and equipment manufacturing, NOS	2499



# Waste codes

Industry from which waste originates	Waste origin code
<b>Other manufacturing</b>	
Furniture manufacturing	2510
Jewellery and silverware manufacturing	2591
Other manufacturing, NOS	2599
<b>Electricity, Gas, Water and Waste</b>	
Fossil fuel electricity generation	2611
Gas supply	2700
Water supply	2811
Sewerage and drainage services	2812
<b>Waste collection, treatment and disposal services</b>	
Solid waste collection services	2911
Other waste collection services	2919
Waste treatment and disposal services	2921
Waste remediation and materials recovery services	2922
<b>Construction</b>	
Residential building construction	3011
Non residential building construction	3020
Road and bridge construction	3101
Other heavy and civil engineering construction	3109
Site preparation services	3212
Other construction services, NOS	3299
<b>Wholesale trade</b>	
Petroleum product wholesaling	3321
Industrial and agricultural chemical product wholesaling	3323
Other goods wholesaling	3700
<b>Retail trade</b>	
Car retailing	3911
Motor vehicle and motor vehicle parts retailing	3921
Fuel retailing	4000
Supermarket and grocery stores	4110
Fresh meat, fish and poultry retailing	4121

Industry from which waste originates	Waste origin code
<b>Accommodation, cafes and restaurants</b>	
Cafes and restaurants	4511
Takeaway food services	4512
Catering services	4513
Pubs, taverns and bars	4520
<b>Transport and Storage</b>	
Port and water transport terminal operation	5212
Airport operation and other air transport support services	5220
Other transport support services	5299
Warehousing and storage services	5309
<b>Telecommunication services</b>	
Wired telecommunications network operation	5801
Other telecommunications services	5809
<b>Professional scientific and technical services</b>	
Scientific research services	6910
Veterinary services	6970
Other professional, scientific and technical services	6999
<b>Public administration</b>	
Central government administration	7510
State government administration	7520
Local government administration	7530
Defence	7600
Fire protection and other emergency services	7713
<b>Education and healthcare</b>	
Preschool education	8010
Secondary education	8022
Higher education	8102
Adult, community and other education n.o.s.	8219

# Waste codes

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Industry from which waste originates	Waste origin code
<b>Healthcare and social assistance</b>	
Hospitals (except psychiatric hospitals)	8401
General practice medical services	8511
Specialist medical services	8512
Pathology and diagnostic imaging services	8520
Dental services	8531
Ambulance services	8591
Other health care services, NOS	8599
Aged care residential services	8601
Other residential care services	8609
<b>Other services</b>	
Automotive body, paint repair and interior repair	9412
Other automotive repair and maintenance	9419
Other machinery and equipment repair and maintenance	9429
<b>Personal and other services</b>	
Laundry and dry-cleaning services	9531
Photographic film processing	9532
Other personal services	9539

## List 5: Disposal/Treatment Options

The waste receiver must identify the most relevant type of disposal or treatment option in the 'Type of Treatment' box in Part C of the waste transport certificate. Type of treatment is defined in Part D of Schedule 3 of the Regulations as meaning the type of treatment, disposal, storage, resource recovery, recycling, reclamation, direct reuse or alternative use intended to occur to the prescribed industrial waste at the receiving premises.

Approved disposal/treatment options are included in the EPA licence issued to waste treatment/disposal facilities.

Description	Treatment code
<b>Operations that do not lead to the possibility of resource recovery, recycling, reclamation, direct reuse or alternative uses</b>	
Landfill disposal of Category C waste	D1
Land farming	D2
Deep-well injection	D3
Surface impoundment	D4
Landfill disposal of Category B waste	D5
Release into a water body, except seas or oceans	D6
Release into seas or oceans	D7
Biological treatment not otherwise specified in this Table	D8
Treatment and immobilisation or immobilisation only	D9A
Chemical treatment and solidification or solidification only	D9B
Physical treatment not otherwise specified in this Table	D9C
Thermal treatment to remove contaminants	D9D
Incineration on land	D10
Incineration at sea	D11
Permanent storage	D12
Blending or mixing prior to any licensed operation	D13
Repackaging prior to any licensed operation	D14
Storage pending any licensed operation	D15

Description	Treatment code
<b>Operation that may lead to resource recovery, recycling, reclamation, direct reuse or alternative uses</b>	
Use as a fuel (other than direct incineration) or blending for use as a fuel	R1
Solvent reclamation/regeneration	R2
Recycling/reclamation of organic waste materials which are not used as solvents	R3
Recycling/reclamation of metals and metal compounds	R4
Recycling/reclamation of other inorganic materials	R5
Regeneration of acids or bases	R6
Recovery of components used for pollution abatement	R7
Recovery of components from catalysts	R8
Used-oil refining or other re-uses of previously used oil	R9
Land treatment resulting in benefit to agriculture or ecological improvements	R10
Use of residual materials obtained from any licensed operation	R11
Exchange of wastes for submission to any licensed operation	R12
Accumulation of material intended for any licensed operation	R13
Recycling/reconditioning/laundrying of steel drums or plastic containers	R14
Recycling/reclamation of soils	R15
Composting	R16
Bioremediation	R17

# Waste codes

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## Further information

Environment Protection (Industrial Waste Resource) Regulations 2009

[Industrial Waste Resource Guidelines](#) Waste transport certificates (EPA Victoria publication IWRG821.2)