



INDUSTRIAL WASTE RESOURCE GUIDELINES

# WASTE CODES

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The following guidance has been produced to assist in the completion of waste transport certificates (paper and electronic). The codes required to complete these certificates are included in table format in Lists 1 to 5. It is a requirement of the Environment Protection (Industrial Waste Resource) Regulations 2009 that an accurately completed waste transport certificate accompanies every movement of prescribed industrial waste.

## LIST 1: WASTE DESCRIPTION & CODE, UN NUMBER, CLASS AND PACKING GROUP

### (i) Waste code

The waste code is identified by the waste form (physical state of the waste): liquid = L, sludge = P, solid = S, or a mixture or assortment = M (e.g. clinical wastes and laboratory chemicals), followed by a four-character code that corresponds to a particular type of waste.

For easy referral, wastes are grouped by generic names (such as pesticides, solvents, oil), specific types (cyanide-containing wastes, reactive chemicals) or constituents (inorganic chemicals, organic chemicals).

#### Examples of waste codes

Liquid PCBs	L	M100
Prescribed industrial waste that is solidified or polymerised	S	N180
Asbestos	S	N220

### (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 Australian Dangerous Goods Code (ADG Code).

Where a waste has a specific UN number, this should 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. If a more appropriate UN number is available for the waste in question or if the UN number is not specified, the ADG Code should be used as a guide.

Transport of waste must be in accordance with the waste transport permit and relevant sections of the ADG Code. When transporting non-hazardous waste, if no UN number is applicable, '30XY' should be used.

### (iii) Class assigned to dangerous goods

The class numbers specified in List 1 should be assigned to dangerous goods. If 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. Waste classified as 30XY need not be assigned a class number.

### (iv) Packing group

Dangerous goods classes (other than 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.

This guidance 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*. Publication IWRG822.1 – July 2009. This replaces publication IWRG822, published June 2009.



List 1: Waste description and code, UN number, class and packing group

Waste description	Waste form	Waste type	UN number	Class	Packing group
Cyanides					
Cyanide-containing wastes.	L	A100	1935	6.1	I, II or III
	P	"	1935	6.1	I, II or III
	S	"	1588 or 2811	6.1	I, II or III
Acids					
Acids in a solid form or acidic solutions with pH value of 4 or less.	L	B100	*	8	I, II or III
	P	"	*	8	I, II or III
	S	"	*	8	I, II or III
Alkaline Wastes					
Alkaline solids or alkaline solutions with pH value of 9 or more. Includes, but is not limited to: caustic soda, alkaline cleaners, and waste lime.	L	C100	*	8	I, II or III
	P	"	*	8	I, II or III
	S	"	*	8	I, II or III
Inorganic chemicals					
Metal carbonyls.	L	D100	3281	6.1	I, II or III
	P	"	3281	6.1	I, II or III
	S	"	3281	6.1	I, II or III
Inorganic fluorine compounds (excluding calcium fluoride).	L	D110	3287	6	I, II or III
	P	"	3287	6	I, II or III
	S	"	3288	6	I, II or III
Mercury and mercury compounds.	L	D120	2024 or 2809	6.1 or 8	I, II or III
	P	"	2024 or 2809	6.1 or 8	I, II or III
	S	"	2025	6.1	I, II or III
Equipment and articles containing mercury.	L	D121	2809	8	III
	S	"	2025	6.1	I, II or III
Arsenic and arsenic compounds.	L	D130	1556	6.1	I, II or III
	P	"	1556	6.1	I, II or III
	S	"	1557	6.1	I, II or III
Chromium compounds (hexavalent and trivalent).	L	D140	3287	6.1	I, II or III
	P	"	3287	6.1	I, II or III
	S	"	3288	6.1	I, II or III

**Notes**

**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment of wastes

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.

**List 1: Waste description and code, UN number, class and packing group**

Waste description	Waste form	Waste type	UN number	Class	Packing group
Tannery wastes containing chromium.	L	D141	3287	6.1	I, II or III
	P	"	3287	6.1	I, II or III
	S	"	3288	6.1	I, II or III
Cadmium and cadmium compounds.	L	D150	3287 or 2810	6.1	III
	P	"	2570	6.1	III
	S	"	2570	6.1	III
Beryllium and beryllium compounds.	L	D160	3287 or 2810	6.1	II or III
	P	"	1566	6.1	II or III
	S	"	1566	6.1	II or III
Antimony and antimony compounds.	L	D170	3141	6.1	III
	P	"	3141	6.1	III
	S	"	1549	6.1	III
Thallium and thallium compounds.	L	D180	1707	6.1	II
	P	"	1707	6.1	II
	S	"	1707	6.1	II
Copper compounds.	L	D190	*		
	P	"	*		
	S	"	*		
Cobalt and cobalt compounds.	L	D200	*		
	P	"	*		
	S	"	*		
Nickel compounds.	L	D210	*		
	P	"	*		
	S	"	*		
Lead and lead compounds.	L	D220	2291	6.1	III
	P	"	2291	6.1	III
	S	"	2291	6.1	III
Zinc compounds.	L	D230	*		
	P	"	*		
	S	"	*		
Selenium and selenium compounds.	L	D240	*		
	P	"	*		
	S	"	*		
Waste from the production, formulation and use of photographic chemicals and processing materials (containing silver).	L	D261	3082	9	
	P	"	3082	9	
	S	"	3077	9	

**Notes**

**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.



List 1: Waste description and code, UN number, class and packing group

Waste description	Waste form	Waste type	UN number	Class	Packing group
Barium compounds.	L	D290	*		
	P	"	*		
	S	"	*		
Non-toxic salts (e.g. sodium chloride, calcium chloride).	L	D300	30XY		
	P	"	30XY		
	S	"	30XY		
Boron compounds.	L	D310	*		
	P	"	*		
	S	"	*		
Inorganic sulfur-containing compounds.	L	D330	*		
	P	"	*		
	S	"	*		
Phosphorus compounds, excluding mineral phosphates.	L	D360	*		
	P	"	*		
	S	"	*		
Inorganic chemicals, NOS.	L	D390	3287	6.1	I, II or III
	P	"	3287	6.1	I, II or III
	S	"	3288	6.1	I, II or III
Smelter waste containing prescribed waste.	S	D400	3077	9	
Reactive chemicals					
Oxidising agents, including peroxides, NOS.	L	E100	3139	5.1	I, II or III
	P	"	3139	5.1	I, II or III
	S	"	1479	5.1	I, II or III
Waste of an explosive nature not subject to other legislation, including azides.	L	E120	*		
	P	"	*		
	S	"	*		
Highly reactive chemicals, NOS.	L	E130	*		
	P	"	*		
	S	"	*		
Paints, lacquers, varnish, resins, inks, dyes, pigments, adhesives					
Aqueous-based wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish.	L	F100	*		
	P	"	*		
	S	"	*		

**Notes**

**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.

**List 1: Waste description and code, UN number, class and packing group**

Waste description	Waste form	Waste type	UN number	Class	Packing group
Aqueous-based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives.	L	F110	*		
	P	"	*		
	S	"	*		
Solvent-based wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish.	L	F120	*		
	P	"	*		
	S	"	*		
Solvent-based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives.	L	F130	*		
	P	"	*		
	S	"	*		
Organic solvents, solvent residues					
Ethers and highly flammable hydrocarbons, such as petrol and jet fuel.	L	G100	*	3	II or III
	P	"	*	3	II or III
Non-halogenated organic solvents.	L	G110	*		
	P	"	*		
	S	"	*		
Dry-cleaning wastes containing organic solvents, such as perchloroethylene.	L	G130	2810	6.1	I, II or III
	P	"	2810	6.1	I, II or III
	S	"	2811	6.1	I, II or III
Halogenated organic solvents.	L	G150	*		
	P	"	*		
	S	"	*		
Wastes from the production, formulation and use of organic solvents, NOS.	L	G160	*		
	P	"	*		
	S	"	*		
Pesticides (includes herbicides and insecticides)					
Waste from the production, formulation and use of biocides and phytopharmaceuticals, NOS.	L	H100	2902	6.1	III
	P	"	2902	6.1	III
	S	"	2588	6.1	II
Organophosphorus pesticides.	L	H110	3018	6.1	III
	P	"	3018	6.1	III
	S	"	2783	6.1	II
Mixed pesticide residue.	L	H160	2902	6.1	I
	P	"	2902	6.1	I
	S	"	2588	6.1	I

**Notes**
**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.



List 1: Waste description and code, UN number, class and packing group

Waste description	Waste form	Waste type	UN number	Class	Packing group
Copper-chrome-arsenic (CCA).	L	H170	2994	6.1	I
	P	"	2994	6.1	I
	S	"	2759	6.1	I
Oils, hydrocarbons, emulsions					
Waste oils unfit for their original intended use (lubricating, hydraulic).	L	J100	30XY		
	P	"	30XY		
	S	"	30XY		
Waste hydrocarbons.	L	J110	30XY		
	P	"	30XY		
	S	"	30XY		
Waste oils and water mixtures or emulsions, and hydrocarbon and water mixtures or emulsions.	L	J120	30XY		
	P	"	30XY		
	S	"	30XY		
Triple interceptor waste and stormwater contaminated with oil or hydrocarbons.	L	J130	30XY		
	P	"	30XY		
	S	"	30XY		
Transformer fluids (excluding PCBs).	L	J140	3082	9	
	P	"	3082	9	
	S	"	3077	9	
Other (cutting oils, soluble oils).	L	J150	30XY		
	P	"	30XY		
	S	"	30XY		
Tarry residues arising from refining, distillation and any pyrolytic treatment.	L	J160	3082	9	
	P	"	3082	9	
	S	"	3077	9	
Used oil filters. Note: this waste must be reused or recycled and is prohibited from disposal to landfill.	S	J170	30XY		
Putrescible/organic wastes					
Animal effluent and residues. Examples: abattoir wastes, poultry wastes, fish and shellfish wastes.	L	K100	30XY		
	P	"	30XY		
	S	"	30XY		

**Notes**

**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.

**List 1: Waste description and code, UN number, class and packing group**

Waste description	Waste form	Waste type	UN number	Class	Packing group
Grease interceptor trap effluent.	L	K120	30XY		
	P	"	30XY		
	S	"	30XY		
Tannery wastes (not containing chromium) and wool scouring wastes.	L	K140	3082	9	
	P	"	3082	9	
	S	"	3077	9	
Food and beverage processing wastes, including animal and vegetable oils and derivatives.	L	K200	30XY		
	P	"	30XY		
	S	"	30XY		
Industrial washwaters					
Car and truck washwaters.	L	L100	30XY		
	P	"	30XY		
Industrial washwaters from cleaning, rinsing or washing operations, NOS. Examples: textile cleaning/processing effluent NOS, industrial plant and machinery washwaters, cooling tower washwaters.	L	L150	30XY		
	P	"	30XY		
Organic chemicals					
Polychlorinated biphenyls (PCBs) (PCBs >50 mg per kg).	L	M100	2315	9	II
	P	"	2315	9	II
	S	"	2315	9	II
Waste substances and articles containing or contaminated with polychlorinated biphenyls (PCBs) ([PCBs] >50 mg per kg).	L	M110	2315	9	II
	P	"	2315	9	II
	S	"	2315	9	II
Solvents, oils and materials contaminated with PCBs ([PCBs] >2 mg per kg and [PCBs] <50 mg per kg).	L	M120	3082	9	
	P	"	3082	9	
	S	"	3077	9	
Non-halogenated organic chemicals (non solvent), NOS. Examples: glycol coolant, radiator fluid, brake fluid.	L	M130	2810	6.1	I, II or III
	P	"	2810	6.1	I, II or III
	S	"	2811	6.1	I, II or III
Phenol and phenol compounds, including halogenated phenols.	L	M150	2821	6.1	II or III
	P	"	2821	6.1	II or III
	S	"	1671	6.1	II

**Notes**
**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.



List 1: Waste description and code, UN number, class and packing group

Waste description	Waste form	Waste type	UN number	Class	Packing group
Halogenated organic chemicals, NOS.	L	M160	2810	6.1	I, II or III
	P	"	2810	6.1	I, II or III
	S	"	2811	6.1	I, II or III
Isocyanate compounds (organic).	L	M220	2206	6.1	II or III
	P	"	2206	6.1	II or III
	S	"	2206	6.1	II or III
Amines and other nitrogen compounds.	L	M230	*		
	P	"	*		
	S	"	*		
Detergents and surface active agents (surfactants).	L	M250	3082	9	
	P	"	3082	9	
	S	"	3077	9	
Highly odorous organic chemicals (including mercaptans and acrylates).	L	M260	3082	9	
	P	"	3082	9	
	S	"	3077	9	
Solid/sludge wastes requiring special handling					
Prescribed waste residues in rigid steel or plastic containers with an original volume less than 200 litres (hazardous substances to be specified).	S	N100	*		
Prescribed waste residues in rigid steel or plastic containers with an original volume greater than or equal to 200 litres (hazardous substances to be specified). Note: this waste must be reused or recycled and is prohibited from disposal to landfill.	S	N105	*		
Prescribed waste residues in bags or containers not specified under N100 and N105 (hazardous substances to be specified).	S	N110	*		
Category A contaminated soil - hazardous substances to be specified. (Refer to EPA guidance material for details on identifying Hazard Category). Note: these wastes must not be disposed directly to landfill without prior treatment.	P	N119	3082	9	
	S	"	3077	9	
Category B contaminated soil - hazardous substances to be specified. (Refer to EPA guidance material for details on identifying Hazard Category).	P	N120	3082	9	
	S	"	3077	9	

**Notes**

**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.

**List 1: Waste description and code, UN number, class and packing group**

Waste description	Waste form	Waste type	UN number	Class	Packing group
Category C contaminated soil - hazardous substances to be specified. (Refer to EPA guidance material for details on identifying Hazard Category).	P S	N121 "	3082 3077	9 9	
Spent catalysts (must specify contaminants).	L P S	N130 " "	* * *		
Fire debris and fire wash-waters that are contaminated with chemicals (must specify contaminants).	L P S	N140 " "	3082 3082 3077	9 9 9	
Fly ash.	P S	N150 "	* *		
Prescribed industrial wastes that are immobilised in accordance with a classification issued by EPA.	S	N160	3077	9	
Prescribed industrial wastes that are chemically fixed and/or encapsulated.	S	N170	3077	9	
Prescribed industrial waste that are solidified or polymerised.	S	N180	3077	9	
Filter cake.	P S	N190 "	3082 3077	9 9	
Ion-exchange column residues.	P S	N200 "	* *		
Residues from pollution control operations, NOS. Examples: activated carbon, baghouse dust, residues from industrial waste disposal operations.	L P S	N210 " "	* * *		
Asbestos.	P S	N220 "	2212 or 2590 2212 or 2590	9 9	II or III II or III
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos.	P S	N230 "	3082 3077	9 9	
Absorbents contaminated with prescribed waste residues, such as rags contaminated with oils, hydrocarbons and organic solvents (must specify contaminants).	S	N250	3077	9	
Solid wastes contaminated with prescribed waste residues, NOS (must specify contaminants). Examples: contaminated bricks and concrete, contaminated steel, shredder floc.	S	N260	3077	9	

**Notes**

**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.



List 1: Waste description and code, UN number, class and packing group

Waste description	Waste form	Waste type	UN number	Class	Packing group
Clinical and pharmaceutical wastes					
Clinical and related wastes, NOS (biomedical waste).	L	R100	3291	6.2	II
	M	"	3291	6.2	II
	S	"	3291	6.2	II
Pathogenic substances and quarantine wastes.	L	R110	*		
	M	"	*		
	S	"	*		
Waste from the use of pharmaceutical products, NOS.	L	R120	1851	6.1	II or III
	M	"	1851	6.1	II or III
	S	"	3249	6.1	II or III
Cytotoxic substances.	L	R130	2810	6.1	
	M	"	2810	6.1	
	S	"	2810	6.1	
Waste from the production of pharmaceutical products and cosmetics, NOS.	L	R140	*		
	M	"	*		
	S	"	*		
Miscellaneous					
Waste chemical substances arising from laboratories, research and development, or teaching activities.	L	T100	*		
	M	"	*		
	P	"	*		
	S	"	*		
Waste from the production, formulation and use of photographic chemicals and processing materials (which do not contain silver).	L	T120	3082	9	
	P	"	3082	9	
	S	"	3077	9	
Inert sludges or slurries, such as clay or ceramic suspensions, drilling mud, and pit water with negligible hydrocarbon contamination.	L	T130	30XY		
	P	"	30XY		
	S	"	30XY		
Foundry sands.	S	T160	3077	9	
Waste chemicals in small quantities, NOS, such as collected household chemicals.	L	T170	*		
	P	"	*		
	S	"	*		

**Notes**

**Waste form:** identifies the physical state of the waste, where L = liquid; S = solid; P = sludge; and M = mixture/assortment.

\* Consult the ADG Code for appropriate UN number and class.

**NOS:** not otherwise specified.



## 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.

**LIST 3: WASTE CONTAMINANTS**

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

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
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

Contaminant description	Code
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
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

**LIST 3: Waste contaminants**

<b>Contaminant description</b>	<b>Code</b>
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
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



**LIST 4: WASTE ORIGIN (INDUSTRY FROM WHICH WASTE ORIGINATES)**

List 4 is an abbreviated list of ANZSIC (Australian and New Zealand Standard Industrial Classification) codes provided by the Australian Bureau of Statistics. Select the most relevant code for the 'Waste Origin' box on paper-based waste transport certificates.

Industry	Waste origin code
Agriculture, forestry and fishing	
Nursery production (under cover)	0111
Nursery production (outdoors)	0123
Mushroom growing	0121
Oil and gas extraction	
Oil and gas extraction	0700
Metal Ore Mining	
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
Exploration	
Petroleum exploration	1011
Other mining support services	1090
Food Manufacturing	
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
Beverage and tobacco product manufacturing	
Soft drink, cordial and syrup manufacturing	1211
Beer manufacturing	1211
Cigarette and tobacco manufacturing	1220
Textile, leather, clothing and footwear manufacturing	
Wool scouring	1311
Natural textile manufacturing	1312
Synthetic textile manufacturing	1313

Industry	Waste origin code
Leather tanning, fur dressing and leather product manufacturing	1320
Textile finishing and other textile product manufacturing	1334
Wood and paper product manufacturing	
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
Petroleum and coal product manufacturing	
Petroleum refining and petroleum fuel manufacturing	1701
Other petroleum and coal product manufacturing	1709
Basic chemical and chemical product manufacturing	
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
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

**List 4: Waste origin (industry from which waste originates)**

Industry	Waste origin code
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
Non-metallic mineral product manufacturing	
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
Primary metal and metal product manufacturing	
Iron smelting and steel manufacturing	2110
Iron and steel casting	2121
Steel pipe and tube manufacturing	2122
Alumina production	2131
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
Fabricated metal product manufacturing	
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

Industry	Waste origin code
Metal coating and finishing	2293
Other fabricated metal product manufacturing n.o.s	2299
Transport equipment manufacturing	
Motor vehicle manufacturing	2311
Automotive electrical component manufacturing	2313
Other motor vehicle parts manufacturing	2319
Shipbuilding and repair services	2391
Machinery and equipment manufacturing	
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
Other manufacturing	
Furniture manufacturing	2510
Jewellery and silverware manufacturing	2591
Other manufacturing, NOS	2599
Electricity, Gas, Water and Waste	
Fossil fuel electricity generation	2611
Gas supply	2700
Water supply	2811
Sewerage and drainage services	2812
Waste collection, treatment and disposal services	
Solid waste collection services	2911
Other waste collection services	2919
Waste treatment and disposal services	2921
Waste remediation and materials recovery services	2922
Construction	
Residential building construction	3011
Non residential building construction	3020

**List 4: Waste origin (industry from which waste originates)**

Industry	Waste origin code
Road and bridge construction	3101
Other heavy and civil engineering construction	3109
Site preparation services	3212
Other construction services, NOS	3299
Wholesale trade	
Petroleum product wholesaling	3321
Industrial and agricultural chemical product wholesaling	3323
Other goods wholesaling	3700
Retail trade	
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
Accommodation, cafes and restaurants	
Cafes and restaurants	4511
Takeaway food services	4512
Catering services	4513
Pubs, taverns and bars	4520
Transport and Storage	
Road transport	4600
Rail transport	4700
Rail passenger transport	4720
Water transport	4800
Air and space transport	4900
Transport support services	
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
Telecommunication services	
Wired telecommunications network operation	5801
Other telecommunications services	5809
Professional scientific and technical services	

Industry	Waste origin code
Scientific research services	6910
Veterinary services	6970
Other professional, scientific and technical services	6999
Public administration	
Central government administration	7510
State government administration	7520
Local government administration	7530
Defence	7600
Fire protection and other emergency services	7713
Education and healthcare	
Preschool education	8010
Secondary education	8022
Higher education	8102
Adult, community and other education n.o.s.	8219
Healthcare and social assistance	
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
Other services	
Automotive body, paint repair and interior repair	9412
Other automotive repair and maintenance	9419
Other machinery and equipment repair and maintenance	9429
Personal and other services	
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 on paper-based waste transport certificates. Approved options will be included in the EPA licence issued to the waste treatment/disposal facility.

Description	Treatment type code
Operations that do not lead to the possibility of resource recovery, recycling, reclamation, direct re-use or alternative uses	
Landfill disposal of Category C waste	D1
Land farming	D2
Deep-well injection	D3
Surface impoundment	D4
Landfill disposal of Category B & C waste	D5
Release into a water body, except seas or oceans	D6
Release into seas or oceans	D7
Biological treatment NOS	D8
Treatment and Immobilisation;or Immobilisation only	D9A
Chemical treatment and/or Solidification	D9B
Incineration on land	D10
Incineration at sea	D11
Permanent storage	D12
Blending or mixing prior to submission to any of the above operations	D13
Repackaging prior to submission to any of the above operations	D14
Storage pending any of the above operations	D15
Operation which may lead to resource recovery, recycling, reclamation, direct reuse or alternative uses	
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 of the operations numbered R1 - R10	R11
Exchange of wastes for submission to any of the operations numbered R1 - R11	R12
Accumulation of material intended for any operation numbered R1 - R12	R13
Recycling/reconditioning/laundrying of steel drums or plastic containers	R14
Recycling/reclamation of soils	R15
Composting	R16
Bioremediation	R17



## WASTE CODES

### FURTHER INFORMATION

*Environment Protection (Industrial Waste Resource) Regulations 2009*

[Industrial Waste Resource Guidelines](#) *Waste transport certificates*

The *Australian Dangerous Goods Code* (Volume 1 & 2) – download a copy from the National Transport Commission website <http://www.ntc.gov.au> (follow 'Safety and Compliance' link)

### EPA contacts

Please see the 'Contact details' page of EPA's website ([www.epa.vic.gov.au](http://www.epa.vic.gov.au)) for the addresses of our offices throughout Victoria.