



## Controlled waste category list

The Controlled Waste category list arranges the controlled wastes listed in Schedule 1 of the *Environmental Protection (Controlled Waste) Regulations 2004* into 15 broad waste groups and assigns a waste code to each waste type within the group. The waste codes are used by industry and the Department of Water and Environmental Regulation for waste tracking and reporting purposes.

Category Group	Waste Code	Waste Type	Waste Examples
A Plating & Heat Treatment	A100	Waste resulting from the surface treatment of metals and plastics	<ul style="list-style-type: none"><li>Waste from surface treatment of metals and plastics</li></ul>
	A110	Waste from heat treatment and tempering processes which use cyanide	<ul style="list-style-type: none"><li>Waste from heat treatment and tempering processes which use cyanide</li></ul>
	A130	Inorganic cyanide	<ul style="list-style-type: none"><li>Complex cyanides (inorganic)</li><li>Inorganic isocyanates</li><li>Other cyanides (inorganic)</li></ul>
B Acids	B100	Acidic solutions or acids in solid form	<ul style="list-style-type: none"><li>Chromic acid</li><li>Glacial acetic acid</li><li>Hydrochloric acid</li><li>Hydrofluoric acid</li><li>Mineral acids</li><li>Mixed acids (inorganic)</li><li>Nitric acid</li><li>Phosphoric acid</li><li>Pickle liquor</li><li>Sulfuric acid</li><li>Sulfuric/hydrochloric acid mixtures</li><li>Other acids</li></ul>
C Bases	C100	Basic (alkaline) solutions or bases (alkalis) in solid form	<ul style="list-style-type: none"><li>Alkaline cleaners</li><li>Ammonia</li><li>Ammonium hydroxide</li><li>Calcium hydroxide</li><li>Caustic soda</li><li>Lime</li><li>Potash</li><li>Other alkaline waste</li></ul>

Category Group	Waste Code	Waste Type	Waste Examples
D Inorganic Chemicals	D100	Metal carbonyls	<ul style="list-style-type: none"> <li>Iron pentacarbonyl</li> <li>Nickel carbonyl</li> </ul>
	D110	Inorganic fluorine compounds (excluding calcium fluoride)	<ul style="list-style-type: none"> <li>Inorganic fluoride wastes often result from industrial processes such as steel manufacture, primary aluminium, copper and nickel production, phosphate fertiliser production and brick and ceramic manufacture</li> <li>Sodium fluoride</li> </ul>
	D120	Mercury and mercury compounds	<ul style="list-style-type: none"> <li>Mercury and mercury compounds</li> <li>Mercury impregnated activated carbon</li> <li>Phenyl mercuric acid (PMA)</li> <li>Phenyl mercuric chloride (PMC)</li> <li>Quicksilver</li> </ul>
	D130	Arsenic and arsenic compounds	<ul style="list-style-type: none"> <li>Arsenic and arsenic compounds</li> <li>Arsenic Trioxide</li> </ul>
	D140	Chromium compounds	<ul style="list-style-type: none"> <li>Hexavalent and trivalent chromium wastes</li> </ul>
	D141	Tannery waste containing chromium	<ul style="list-style-type: none"> <li>Tannery wastes such as leather dust, ash, sludge and flours from tanneries who use chromium in their processes</li> </ul>
	D150	Cadmium and cadmium compounds	<ul style="list-style-type: none"> <li>Cadmium and cadmium compounds</li> </ul>
	D151	Used nickel cadmium batteries	No controlled waste tracking form currently required.
	D160	Beryllium and beryllium compounds	<ul style="list-style-type: none"> <li>Beryllium and beryllium compounds</li> </ul>
	D170	Antimony and antimony compounds	<ul style="list-style-type: none"> <li>Antimony and antimony compounds</li> </ul>
	D180	Thallium and thallium compounds	<ul style="list-style-type: none"> <li>Thallium and thallium compounds</li> </ul>
	D190	Copper compounds	<ul style="list-style-type: none"> <li>Bluestone (copper sulphate)</li> <li>Copper compounds (excluding copper fungicides)</li> </ul>
	D200	Cobalt compounds	<ul style="list-style-type: none"> <li>Cobalt compounds</li> </ul>

Category Group	Waste Code	Waste Type	Waste Examples
D Inorganic Chemicals continued	D210	Nickel compounds	<ul style="list-style-type: none"> <li>Nickel compounds</li> <li>Spent catalysts (nickel)</li> </ul>
	D211	Used nickel metal hydride batteries	No controlled waste tracking form currently required.
	D220	Lead and lead compounds	<ul style="list-style-type: none"> <li>Grit blast waste</li> <li>Lead wastes</li> <li>Used fire assay cupels</li> </ul>
	D221	Used lead acid batteries	No controlled waste tracking form currently required.
	D230	Zinc compounds	<ul style="list-style-type: none"> <li>Zinc compounds</li> </ul>
	D240	Selenium and selenium compounds	<ul style="list-style-type: none"> <li>Selenium and selenium compounds</li> </ul>
	D250	Tellurium and tellurium compounds	<ul style="list-style-type: none"> <li>Tellurium and tellurium compounds</li> </ul>
	D270	Vanadium compounds	<ul style="list-style-type: none"> <li>Spent catalysts</li> <li>Vanadium compounds</li> </ul>
	D290	Barium and barium compounds	<ul style="list-style-type: none"> <li>Barium and barium compounds (excluding barium sulphate)</li> </ul>
	D300	Non toxic salts	<ul style="list-style-type: none"> <li>Aluminium dross, aluminium smelter waste</li> <li>Ammonium chloride</li> <li>Calcium chloride</li> <li>Non-metallic product</li> <li>Salt slag</li> <li>Sodium chloride</li> </ul>
	D310	Boron compounds	<ul style="list-style-type: none"> <li>Borax</li> <li>Boron and boron compounds</li> <li>Boron trioxide</li> </ul>
	D330	Inorganic sulfides	<ul style="list-style-type: none"> <li>Inorganic sulphur containing compounds</li> </ul>
	D340	Perchlorates	<ul style="list-style-type: none"> <li>Perchlorates</li> </ul>
	D350	Chlorates	<ul style="list-style-type: none"> <li>Magnesium chlorate</li> <li>Potassium chlorate</li> <li>Sodium chlorate</li> </ul>
	D360	Phosphorus compounds excluding mineral phosphates	<ul style="list-style-type: none"> <li>Ethyl phosphate</li> <li>Phosphorus and phosphorus compounds (inorganic)</li> </ul>

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E Reactive Chemicals	E100	Waste containing peroxides excluding hydrogen peroxide	<ul style="list-style-type: none"> <li>Barium peroxide</li> <li>Sodium peroxide</li> </ul>
	E120	Waste of an explosive nature not subject to other legislation	<ul style="list-style-type: none"> <li>Waste of an explosive nature not subject to other legislation</li> </ul>
	E130	Highly reactive chemicals not otherwise specified	<ul style="list-style-type: none"> <li>Highly reactive chemicals not otherwise specified</li> </ul>
F Paints, Resins, Inks and Organic Sludges	F100	Aqueous-based wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	<ul style="list-style-type: none"> <li>Water based wastes from inks, dyes, pigments, paints, lacquers and varnish</li> </ul>
	F110	Aqueous-based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	<ul style="list-style-type: none"> <li>Water based wastes from resins, latex, plasticisers, glues and adhesives</li> </ul>
	F120	Solvent based-wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	<ul style="list-style-type: none"> <li>Solvent (hydrocarbon) based-wastes from inks, dyes, pigments, paints, lacquers and varnish</li> </ul>
	F130	Solvent based wastes from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	<ul style="list-style-type: none"> <li>Solvent (hydrocarbon) based wastes from resins, latex, plasticisers, glues and adhesives</li> </ul>
G Organic Solvents	G100	Ethers & highly flammable hydrocarbons	<ul style="list-style-type: none"> <li>Ethers</li> <li>Waste aviation fuel (Av-Gas)</li> <li>Waste petrol</li> </ul>

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G Organic Solvents continued	G110	Non-halogenated organic solvents	<ul style="list-style-type: none"> <li>• Acetone</li> <li>• Benzene</li> <li>• Ethanol</li> <li>• Hexane</li> <li>• Klenasol (non-chlorinated)</li> <li>• Methanol</li> <li>• Methyl ethyl ketone</li> <li>• Methylated spirits</li> <li>• Mineral turpentine</li> <li>• Toluene</li> <li>• Waste jet fuel</li> <li>• Waste kerosene</li> <li>• White spirit</li> <li>• Xylene</li> </ul>
	G130	Dry-cleaning wastes containing perchloroethylene	<ul style="list-style-type: none"> <li>• Dry-cleaning wastes containing perchloroethylene</li> </ul>
	G150	Halogenated organic solvents Not otherwise specified	<ul style="list-style-type: none"> <li>• Carbon tetrachloride</li> <li>• Genklene</li> <li>• Methylene chloride (dichlormethane) i.e. paint stripper</li> <li>• Tetrachloroethylene</li> <li>• Trichloroethane</li> <li>• Trichloroethylene</li> <li>• Trinue</li> </ul>
	G160	Waste from production, use and formulation of organic solvents not otherwise specified	<ul style="list-style-type: none"> <li>• Organic solvents and solvent residues not otherwise specified</li> <li>• Solvent recovery residues</li> </ul>
H Pesticides	H100	Waste from the production, formulation or use of biocides and phytopharmaceuticals	<ul style="list-style-type: none"> <li>• Arsenic based pesticides such as sheep dip, daconate, DMA (disodium methylarsonate) and DSMA (disodium methyl arsenate)</li> <li>• Biological pesticides</li> <li>• Inorganic and organo-metallic pesticides including copper based fungicides</li> <li>• Mixed pesticide residue</li> <li>• Nitrogen containing pesticides including paraquat and trifluralin</li> <li>• Sulfur containing pesticides</li> <li>• Glyphosate</li> </ul>

Category Group	Waste Code	Waste Type	Waste Examples
H Pesticides continued	H110	Organic phosphorous compounds	<ul style="list-style-type: none"> <li>Organic phosphorus compounds</li> <li>Organo phosphorus pesticides</li> </ul>
	H130	Organochlorine pesticides	<ul style="list-style-type: none"> <li>Chlordane</li> <li>DDT</li> <li>Dieldrin</li> <li>Heptachlor</li> <li>Aldrin</li> </ul>
	H170	Waste wood-preserving chemicals	<ul style="list-style-type: none"> <li>Copper-chrome-arsenic (CCA)</li> <li>Creosote</li> <li>Organic wood preserving compounds</li> <li>Other inorganic wood preserving compounds</li> </ul>
J Oils	J100	Waste mineral oils unfit for their intended purpose	<ul style="list-style-type: none"> <li>Mineral oils unfit for their original intended use (lubricating and hydraulic)</li> <li>Oils, hydrocarbons and emulsions</li> <li>Petroleum based grease such as axle grease</li> <li>Rags and absorbent material wet/saturated with oil</li> <li>Transformer fluids (excluding PCB's)</li> <li>Waste hydrocarbons which are not highly flammable, such as diesel</li> <li>Waste mineral oil and coolant mixtures</li> </ul> <p>NOTE: Dried oily rags and absorbent materials (not containing free liquids) are generally suitable for disposal to putrescible landfill. If they are suitable for disposal at a Class I, II or III landfill they are not controlled waste.</p>
	J120	Waste oil and water mixtures or emulsions, and hydrocarbon and water mixtures or emulsions	<ul style="list-style-type: none"> <li>Cutting oils and soluble oils</li> <li>Hydrocarbon such as petrol or diesel and water mixtures or emulsions</li> <li>Waste oil and water mixtures or emulsions</li> </ul>
	J130	Oil interceptor wastes	<ul style="list-style-type: none"> <li>Oil interceptor wastes</li> <li>Triple interceptor wastes</li> </ul>
	J160	Waste tarry residues arising from refining, distillation or pyrolytic treatment	<ul style="list-style-type: none"> <li>Tars and tarry residues</li> </ul>

Category Group	Waste Code	Waste Type	Waste Examples
J Oils continued	J170	Used oil filters	<ul style="list-style-type: none"> <li>Used oil filters</li> </ul> NOTE: drained and/or mechanically crushed oil filters not containing free liquids are generally suitable for disposal to putrescible landfill. If they are suitable for disposal at a Class I, II or III landfill they are not controlled waste.
	J180	Oil sludge	<ul style="list-style-type: none"> <li>Oil sludge from plate separators</li> </ul>
K Putrescible and Organic Wastes	K100	Animal effluent and residues	<ul style="list-style-type: none"> <li>Abattoir effluent</li> <li>Animal effluent and residues</li> <li>Animal oils and derivatives</li> <li>Poultry and seafood processing waste</li> <li>Stock truck washes</li> </ul>
	K110	Waste from grease traps	<ul style="list-style-type: none"> <li>Grease interceptor waste from grease traps</li> </ul>
	K130	Sewage waste from the reticulated sewerage system	<ul style="list-style-type: none"> <li>Sewage waste from the reticulated sewerage system (e.g. Water Corporation)</li> </ul>
	K140	Tannery wastes not containing chromium	<ul style="list-style-type: none"> <li>Tannery wastes such as leather dust, ash, sludges and flours from tanneries which do not use chromium in their processes</li> </ul>
	K190	Wool scouring wastes	<ul style="list-style-type: none"> <li>Wool scouring waste</li> </ul>
	K200	Food and beverage processing wastes	<ul style="list-style-type: none"> <li>Dairy waste such as unusable milk and ice cream</li> <li>Vegetable and fruit processing effluent</li> <li>Winery wastes</li> <li>Other liquid food waste</li> </ul> NOTE: Vegetable oil is not a controlled waste.
	K210	Septage wastes	<ul style="list-style-type: none"> <li>Liquid and solid components from the pump-out of septic tanks</li> </ul>
L Industrial Wash Water	L100	Car and truck wash waters	<ul style="list-style-type: none"> <li>Car and truck wash waters from wash down bays</li> </ul>

Category Group	Waste Code	Waste Type	Waste Examples
L Industrial Wash Water continued	L150	Industrial wash waters contaminated with a controlled waste	<ul style="list-style-type: none"> <li>Excluding Per- and poly-fluoroalkyl substances (PFAS) contaminated materials</li> <li>Boiler blowdown sludge</li> <li>Cooling tower wash waters</li> <li>Industrial plant wash waters</li> <li>Stormwater collected from industrial facilities including ports and landfills.</li> <li>Textile effluent and residues</li> <li>Wash water from industrial processes</li> </ul> NOTE: Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.
M Organic Chemicals	M100	Waste substances and articles containing polychlorinated biphenyls (PCBs)	<ul style="list-style-type: none"> <li>Equipment contaminated with PCBs</li> <li>PCB oil</li> <li>PCB waste (solid and liquid), as defined in the polychlorinated biphenyls management Plan (Revised Edition April 2003)</li> </ul>
	M105	Waste substances and articles containing polybrominated biphenyls (PBB), polychlorinated naphthalenes (PCN), and/or polychlorinated terphenyls (PCT)	<ul style="list-style-type: none"> <li>Equipment contaminated with PBB, PCN, and/or PCT</li> <li>Waste PBB, PCN and/or PCT</li> </ul>
	M130	Non-halogenated organic chemicals	<ul style="list-style-type: none"> <li>Brake fluid</li> <li>Coolant (if mixed with waste mineral oil place under J100)</li> <li>Ethylene glycol (antifreeze)</li> <li>Propylene glycol</li> <li>Radiator fluid</li> </ul>
	M150	Phenols, phenol compounds including halogenated phenols	<ul style="list-style-type: none"> <li>Carbolic acid (phenol)</li> <li>Phenols, phenol compounds including halogenated phenols</li> </ul>
	M160	Organohalogen compounds not elsewhere listed	<ul style="list-style-type: none"> <li>Excluding PFAS contaminated materials</li> <li>Halogenated organic compounds</li> <li>Hexachlorobenzene (HCB)</li> </ul> NOTE: Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.

Category Group	Waste Code	Waste Type	Waste Examples
M Organic Chemicals continued	M170	Polychlorinated dibenzo-furan (any congener)	<ul style="list-style-type: none"> <li>Furans are inadvertently produced as a result of combustion activities including power generation, waste incineration, metal smelting and some types of chemical manufacture</li> </ul>
	M180	Polychlorinated dibenzo p-dioxin (any congener)	<ul style="list-style-type: none"> <li>Dioxins are inadvertently produced as a result of combustion activities including power generation, waste incineration, metal smelting and some types of chemical manufacture</li> </ul>
	M210	Cyanides (organic)/ nitriles	<ul style="list-style-type: none"> <li>Nitriles</li> <li>Organic cyanides</li> </ul>
	M220	Isocyanate compounds	<ul style="list-style-type: none"> <li>Isocyanates (organic)</li> </ul>
	M230	Triethylamine catalysts	<ul style="list-style-type: none"> <li>Spent catalysts for carbon dioxide scrubbing in natural gas processing</li> <li>Spent triethylamine catalysts for setting foundry sands</li> </ul>
	M250	Surfactants and detergents	<ul style="list-style-type: none"> <li>Detergents</li> <li>Emulsifiers</li> <li>Fire fighting foams (excluding PFOS and PFOA)</li> <li>Surface active agents (surfactants)</li> <li>Wetting agents</li> </ul> <p>NOTE: Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.</p>
	M260	Highly odorous organic chemicals including mercaptans and acrylates	<ul style="list-style-type: none"> <li>Methacrylates (excluding solid inert polymeric material)</li> <li>Odorous, organic compounds including mercaptans, acrylate</li> <li>Organic sulphur compounds</li> </ul>
	M270	Per- and poly-fluoroalkyl substances (PFAS) contaminated materials, including waste PFAS containing products and contaminated containers	<ul style="list-style-type: none"> <li>Per- and poly-fluoroalkyl substances (PFAS), including associated subclasses and homologues</li> <li>PFAS (including PFOS and/or PFOA) contaminated fire-fighting foams, pesticides and stain repellents</li> </ul>

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N Soils and Sludge	N100	Containers or drums contaminated with residues of a controlled waste	<ul style="list-style-type: none"> <li>A residue is 1% or less of the containers total capacity, excluding PFAS contaminated materials</li> </ul> <p>NOTE: Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.</p>
	N120	Soils contaminated with a controlled waste	<ul style="list-style-type: none"> <li>Excluding PFAS contaminated materials</li> <li>Soils contaminated with controlled waste at a concentration which exceeds the criteria for acceptance into a Class I, II or III landfill facility</li> <li>Please refer to the Department's Landfill Waste Classification and Waste Definitions 1996 (as amended Dec 2009) for landfill acceptance criteria</li> </ul> <p>NOTE: Contaminated soil which meets the acceptance criteria for a Class I, II or III landfill facility is NOT controlled waste. Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.</p>
	N140	Fire debris or fire wash waters	<ul style="list-style-type: none"> <li>Fire debris and wash waters contaminated with chemicals excluding PFAS contaminated materials</li> </ul> <p>NOTE: Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.</p>
	N150	Fly ash excluding fly ash generated from Australian coal fired power stations	<ul style="list-style-type: none"> <li>Fine particle residue generated by the combustion of coal by non-Australian power stations</li> </ul>
	N160	Encapsulated, chemically fixed, solidified or polymerised controlled wastes	<ul style="list-style-type: none"> <li>Excluding PFAS contaminated materials</li> <li>Encapsulated, chemically fixed, solidified or polymerised controlled wastes including those suitable for disposal at a Class I, II or III landfill</li> </ul> <p>NOTE: Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.</p>
	N190	Filter cake containing a controlled waste	<ul style="list-style-type: none"> <li>Filter cake containing controlled waste</li> </ul>

Category Group	Waste Code	Waste Type	Waste Examples
N Soils and Sludge continued	N205	Industrial waste treatment plant residues	<ul style="list-style-type: none"> <li>Excluding PFAS contaminated materials</li> <li>Industrial waste treatment sludges and residues</li> <li>Ion-exchange column residues</li> <li>Residues from pollution control</li> <li>Scrubber sludge</li> </ul> NOTE: Refer to M270 for PFAS contaminated materials and/or fire-fighting foams containing PFOS and/or PFOA.
	N220	Asbestos	Currently no controlled waste tracking form is required. Please refer to Controlled Waste Fact Sheet – Asbestos for information on asbestos packaging, labelling and transport requirements.
	N230	Ceramic based fibres with physico-chemical characteristics similar to asbestos	<ul style="list-style-type: none"> <li>Aluminium silicate fibre products used mainly for fire protection and insulation purposes</li> </ul>
R Clinical and Pharmaceutical	R100	Clinical and related wastes	<ul style="list-style-type: none"> <li>Waste generated by medical, nursing, dental, veterinary, pharmaceutical or other related activity which is poisonous or infectious, likely to cause injury to public health or contains human tissue or body parts.</li> </ul> NOTE: Sanitary napkins, incontinence pads, nappies, emptied colostomy/urine bags and dressings which are not saturated in blood, are NOT controlled waste.
	R120	Waste pharmaceuticals, drugs and medicines	<ul style="list-style-type: none"> <li>Expired or discarded medicines, drugs and pharmaceuticals</li> </ul>
	R130	Cytotoxic waste	<ul style="list-style-type: none"> <li>Waste material including sharps contaminated with a cytotoxin</li> </ul>
	R140	Waste from production or preparation of pharmaceutical products	<ul style="list-style-type: none"> <li>Waste from production or preparation of pharmaceutical products</li> </ul>
T Miscellaneous	T100	Waste chemical substances arising from research and development or teaching activities	<ul style="list-style-type: none"> <li>Waste chemical substances arising from research and development or teaching activities</li> </ul>

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T Miscellaneous continued	T120	Waste from production or formulation of photographic chemicals or processing materials.	<ul style="list-style-type: none"> <li>Waste from production or formulation of photographic chemicals or processing materials such as fixer and developer may contain silver</li> </ul>
	T140	Used Tyres	<ul style="list-style-type: none"> <li>Used truck and passenger tyres</li> </ul>