

Retail – Guide to preventing harm to people and the environment

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Includes information about the new environmental laws

Acknowledgements

Environment Protection Authority Victoria (EPA) gratefully acknowledges the industry groups, local councils and government agencies that contributed to the development of this guide.

We thank everyone for their contribution and commitment to keeping Victoria prosperous and liveable by preventing and reducing harm from pollution and waste.

Disclaimer

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You should obtain professional advice if you have any specific concern. EPA has made every reasonable effort to provide current and accurate information, but does not make any guarantees regarding the accuracy, currency or completeness of the information.

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EPA acknowledges Aboriginal people as the first peoples and Traditional custodians of the land and water on which we live, work and depend. We pay respect to Aboriginal Elders, past and present.

As Victoria's environmental regulator, we pay respect to how Country has been protected and cared for by Aboriginal people over many tens of thousands of years.

We acknowledge the unique spiritual and cultural significance of land, water and all that is in the environment to Traditional Owners, and recognise their continuing connection to, and aspirations for Country.



For languages other than English, please call **131 450**. Visit **epa.vic.gov.au/language-help** for next steps. If you need assistance because of a hearing or speech impairment, please visit **relayservice.gov.au**

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1. Introduction

Many things we do at work can cause pollution and create waste. This can put our health and our land, air and water at risk of harm.

From 1 July 2021, the *Environment Protection Act 2017*¹ (EP Act) and Environment Protection Regulations 2021 (EP Regulations) take effect. These laws require all businesses to take proactive steps to <u>manage risks</u> of harm from pollution and waste.

By preventing harm and complying with the law, you keep your community safe, <u>lower your environmental impact</u> and potentially <u>save time and money</u>.

What you consider to be minor pollution and waste adds up. Think about the combined impact of every business on our health and the environment.

Purpose of this guide

This guide includes information about how to manage your risks, including examples of how this can be done using a simple fourstep process.

It also provides an overview of your legal obligations under the EP Act, including the <u>general environmental duty</u> (GED) and highlights parts of the EP Regulations that may apply to your activities.

To help you work out which of your activities have the most potential to cause harm, this guide contains a list of common hazards in retail, plus information about managing waste and noise. **Retail** is a large and broad industry. It includes selling or hiring goods or services to consumers for individual, household or business use. Non-store retailing and commissionbased buying and/or selling is also covered.

The industry includes:

- clothing, footwear and textiles
- dry cleaning
- electrical and electronic goods
- equipment repair services
- food and grocery
- fuel
- furniture and housewares
- hardware, building and garden supplies
- motor vehicles and parts
- personal accessories
- pharmaceuticals
- recreational goods.

This guide will not tell you what specific controls to put in place to manage your risks – it links to guidance which has information about controls, and you can decide what best suits your circumstances. It also has a list of resources and where to go for more help.

The **EP Act** outlines your broad duties. The **EP Regulations** support the EP Act and help address some risks of harm that need further controls. This includes specific requirements for particular hazards, where appropriate.

Throughout the guide there are specific references to sections of the EP Act (for example, s80) or regulations (for example, reg 16) if you would like to refer to the legislation for the provisions in full.

Note: References to 'you' are to any person engaging in an activity that may give rise to risks of harm. This will include business owners, whether companies or sole traders.

¹ Environment Protection Act 2017 as amended by the Environment Protection Amendment Act 2018.

2. How to manage your risks

As a business owner, whether a company or sole trader, it is your responsibility to understand and manage the risks of harm from pollution and waste to people and the environment from any work you do.

In straightforward situations, managing risks will involve thinking through your activities and taking simple steps to avoid harm. For example, making sure your rubbish goes in the right bin, and chemicals don't go down stormwater drains and into our waterways.

In larger businesses or those that carry out a lot of different activities with greater risks of harm, more complex systems, procedures and documentation may be required to manage risks.

Use these four steps to help you manage your risks:

Step 1 - Identify any hazards from your business activities that could cause harm.

Step 2 – Assess the risk, based on the likelihood of the hazard causing harm, and the consequence of that harm.

Step 3 – Implement suitable control measures, based on what is reasonably practicable for your business, with the aim of choosing the highest level of protection and reliability.

Step 4 – Check controls regularly to make sure they are working, well maintained, effective and remain the most appropriate option. This process includes monitoring control measures and identifying any changes that may need to be made to improve their effectiveness.



Useful resources:

- <u>Assessing and controlling risk: a guide for business</u> (publication 1695) this includes an example of a risk register where you can list your hazards and risks.
- <u>Self-assessment tool for small business</u> (publication 1812) check what actions you can take to manage the risks of your business causing harm to people and the environment.
- <u>Appendix A:</u> Action plan example (Appendix A in this guide) you can use this template to list what actions you can take to improve the way you control risks.

Note: Keeping a risk register or plan can help you demonstrate what steps you have taken to manage your risks.

Risk management examples

These examples show how to use the four-step risk process to manage environmental hazards.

A. Managing waste in grocery stores

Toula manages a grocery store with a variety of items, including food of varying types. Toula **identifies** many different waste streams, including plastics, glass, chemicals, organic material, paper, cardboard, e-waste and general landfill.

Managing waste can be challenging but Toula knows they have responsibilities for recovering, reusing and recycling used packing materials (regs 93-99). Toula also knows the importance of the store's environmentally responsible reputation.



Toula looks at ways to avoid generating waste in the first place, because that is preferred. If that can't be done, Toula considers re-use or recycling.

Where possible, stock is returned to manufacturers for recycling, or donated to food rescue groups. Food that can't be donated is collected by a specialised waste service that can convert it into compost. Permissioned transporters (reg 88) collect any reportable priority waste (reg 71), such as cleaning agents and solvents.

Toula **assesses** the risks of poor waste management, and understands why the store needs to separate waste. Areas for different types of waste are separated and clearly signed. This includes a bin for <u>e-waste</u> (items with plugs, batteries or power cords). Any items in the bin are taken to the council transfer station.

The store encourages their customers to bring their own shopping bags. They also have thick, reusable bags for sale (regs 133-134). Waste pick-ups follow a set schedule within business hours to limit disturbance to neighbours.

Toula **implements** a maintenance and cleaning routine to help ensure waste storage areas are kept well-ventilated, cool, dry and away from ignition sources. Toula also regularly checks the compactor they use for crushing cardboard and paper is working as it should.

Because the least preferred option is waste going to landfill, Toula regularly **checks** how effective they are at handling and separating their wastes and makes changes accordingly.

B. Managing noise in warehouses

Val manages a warehouse store specialising in products for pets and pet grooming. It's located in a business zone that backs onto residential dwellings.

The feedback received from nearby residents helps the warehouse **identify** and monitor noise (reg 118). Complaints are taken seriously because Val knows noise can be annoying, potentially impacting sleep and causing other health issues.



By **assessing** complaints, Val identifies delivery and waste collection vehicles entering and exiting the rear of their building as the main source of noise impact.

Val **implements** some simple changes like asking drivers to pull up directly into receival bays and keeping roller doors closed when they're not in use. Val also speaks with their wholesalers and waste transport contractors to avoid pick-ups and deliveries at certain times, when people are more likely to be at home.

After reading EPA's <u>information about noise</u> for ideas, Val seeks permission from council to install a noise barrier along the boundary next to the residential homes.

Val is confident other steps taken to control noise are working. For example, they have an airlock system on receival bay doors that reduces noise levels outside of the warehouse and Val switches off non-essential equipment when they are closed (reg 116).

Val and other rostered floor managers routinely check their dog groomers are wearing hearing protection when they operate high-velocity hair dryers.

Val also **checks** the noise levels of air-conditioning systems, which are maintained to manufacturer's specifications.

3. Your legal obligations

Victoria's environment protection laws include a duty focused on prevention, called the <u>general environmental duty (GED)</u>. This duty requires you to put in place <u>reasonably practicable</u> measures to eliminate or reduce the risks of harm to people and the environment from pollution and waste.

This means you need to proactively <u>manage your risks</u> of harm as well as deal with the impacts of pollution and waste after they occur. EPA works with people to help them understand the law and what they need to do to comply.

You may already manage some environmental risks through your efforts to comply with Victoria's occupational health and safety (OHS) and dangerous goods laws. For example, using and storing chemicals and fuels safely, and keeping your business clean and tidy. You may also be familiar with 'reasonably practicable', a term used in OHS.

The core duties in the EP Act are outlined on pages 9 to 13 of this guide.

In some instances, there may be specific requirements detailed in the EP Regulations. These are signposted throughout this guide.

EPA's compliance and enforcement approach involves encouragement and deterrence to motivate action. For more information see **Chapter 5 – 5. How environment protection law is enforced**.

It's important to note that a breach of the GED could lead to civil or criminal penalties if you are a business or conducting an undertaking, even if harm has not occurred.

'Reasonably practicable'

means you must put in proportionate controls to mitigate or minimise the risk of harm.

To show you have thought about what is reasonably practicable, consider these six factors:

- 1. Eliminate first
- 2. Likelihood
- 3. Degree
- 4. Your knowledge about the risk
- 5. Availability and suitability of controls
- 6. Cost of controls

See <u>Reasonably</u> <u>practicable</u> (publication 1856) for more information.

The <u>environment reference standard (ERS)</u> is a new tool made under the EP Act. The ERS identifies environmental values the community wants to achieve and maintain. For example, clean water for drinking and swimming, and sound levels that let us sleep at night.

The ERS shows whether environmental values are being met or threatened. It covers four aspects of our environment: ambient air and sound, land and water. Water includes surface water and groundwater.

The ERS provides a reference to help make decisions. It does not set compliance limits. To find out how the ERS is applied go to **epa.vic.gov.au** (epa.vic.gov.au/about-epa/laws/epa-tools-and-powers/environment-reference-standard/applying-the-standard).

This legal requirement	Means you have to
<u>General</u> environmental	<i>Understand</i> how your business activities may give rise to risks of harm to human health or the environment from pollution or waste.
<u>duty</u> (s25-27)	<i>Put in place</i> reasonably practicable measures to eliminate or reduce identified risks of harm from pollution or waste.
	Use and maintain:
	 plant, equipment, processes and systems in a way that minimises risks (for example, maintain machinery and equipment in accordance with manufacturer's specifications) systems for identifying, assessing and controlling risks adequate systems to ensure that if risk of harm eventuates, harmful effects are minimised.
	<i>Ensure</i> all substances are handled, stored, used and/or transported in a way that minimises risks.
	<i>Provide</i> information, instruction, supervision and training to people engaged in activities to enable them to comply with the GED (for example, undertake toolbox sessions where practicable).
	Note: It doesn't matter whether an adverse impact on people and/or the environment has or has not occurred. The GED is breached whenever there is a <i>risk</i> of harm not being proportionally managed.
	If you engage in an activity that involves the design, manufacture, installation or supply of a substance, plant, equipment or structure you must, so far as reasonably practicable:
	 Minimise risks of harm to people or the environment from pollution and waste arising from the design, manufacture, installation or supply of the substance, plant, equipment or structure when used for the purpose for which it was designed, manufactured, installed or supplied.
	 Provide information to each person about the purpose of the substance, plant, equipment or structure and any conditions necessary to ensure it can be used in a way that reduces the risks of harm.

Summary of environmental duties (in the Environment Protection Act 2017) 2

² Environment Protection Act 2017 as amended by the Environment Protection Amendment Act 2018

This legal requirement	Means you have to
Duty to take action to respond to harm caused by a pollution incident (s31)	Restore the areas affected by a pollution incident to their previous state, so far as reasonably practicable. Should a pollution incident occur, the person engaging in the activity that is likely to, or has, caused harm to human health and/or the environment must take action to clean up. They must restore the affected areas to their previous state, so far as reasonably practicable.
Duty to notify Authority of notifiable incidents (s32-33)	 Contact EPA on 1300 372 842 (1300 EPA VIC) as soon as practicable if a pollution incident happens that causes or threatens material harm³ to human health or the environment. This applies as soon as the person engaging in an activity that results in a pollution incident becomes aware (or ought to have been aware) of the pollution incident. When notifying EPA <i>provide</i> information about: the type of incident, for example, an oil or fuel spill, or fire where and when it happened the harm or possible harm the circumstances in which it occurred, or how you think it happened, and proposed action to deal with the incident.

³ Material harm means harm that is caused by pollution or waste that has an adverse effect on human health or the environment that is not negligible; has an adverse effect on an area of high conservation value or of special significance; or results in, or is likely to result in, costs in excess of \$10,000 or a higher amount prescribed by the EP Regulations being incurred to take action to prevent or minimise the harm or to rehabilitate or restore the environment to the state it was in before the harm (s5, EP Act).

This legal requirement	Means you have to
Duty to manage contaminated land (s39)	<i>Minimise</i> , so far as reasonably practicable, risks of harm to human health and the environment arising from contaminated land (vacant or occupied), including groundwater, under your management or control.
	<i>Investigate</i> further and undertake an assessment to understand the risks of the contamination.
	Note: A suitably qualified and experienced professional, such as an <u>environmental consultant</u> , or EPA-appointed environmental auditor who specialises in contaminated land, can assist you if required.
	<i>Provide</i> and <i>maintain</i> measures to minimise risks of harm to human health and the environment, including undertaking clean up activities, where reasonably practicable.
	<i>Provide</i> adequate information to any person who might be affected by the contamination. This includes adjacent landowners if contamination is migrating offsite. Adequate information includes information about the contamination, the results of any investigation and risks of harm to human health or the environment.
	This duty applies regardless of who caused the land or groundwater to be contaminated or when contamination took place. It also applies regardless of whether EPA is aware of the contamination or has issued any notices.
Duty to notify of contaminated land (s40)	<i>Contact</i> EPA on 1300 372 842 (1300 EPA VIC) as soon as practicable if the land you manage or control is contaminated by notifiable contamination (as set out in the EP Regulations). This includes contamination to groundwater. EPA will publish guidance on the duty to notify in 2021.
	This duty applies as soon as the person/s who manages or controls the land becomes aware (or ought to have been aware) of the contamination, regardless of when the contamination took place.
ਯ⊒ regs 8-15	The duty is intended to expand EPA's knowledge about <u>contaminated sites in</u> <u>Victoria</u> .

This legal requirement	Means you have to
Duties relating to industrial waste (s133-137)	<i>Ensure</i> <u>industrial waste</u> is deposited or received at a <u>'lawful place'</u> – this means a place or premises authorised to receive that waste. This requirement applies to producers, transporters and receivers of industrial waste.
	<i>Obtain</i> the consent of the permission holder, occupier or person in management or control of the place authorised to receive the waste before you deposit it.
ີ regs 60-64	<i>Take all reasonable steps</i> before giving up management or control of industrial waste to another person for the purposes of transport. This is to ensure it will be safely transported to an authorised place. Reasonable steps include (but are not limited to):
For more information, see Chapter 7. Waste management in this guide.	 <i>identifying</i> and <i>classifying</i> the type of industrial waste <i>describing</i> the industrial waste to the person collecting, consigning, transferring or transporting the industrial waste for disposal <i>checking</i> that the place the transporter is planning to take the industrial waste can lawfully receive that waste.
	Note: If you are a facility receiving industrial waste, you must be authorised to receive it.

This legal requirement	Means you have to
Duties and controls relating to priority waste (s138-141)	Classify the priority waste you manage or control in accordance with the EP Act and EP Regulations. <i>Take</i> all reasonable steps to ensure any priority waste you manage or control is contained so it can't escape and is isolated to ensure resource recovery remains practicable. Note: This requirement applies to producers, transporters and receivers of priority waste.
regs 65-70	 Provide to the person who collects, consigns, transfers or transports the priority waste, information (where reasonably available) about: its nature and type any risks of harm in relation to the priority waste any other relevant information necessary for them to comply with the law. Before deciding to dispose of any priority waste to landfill, take all reasonable steps to <i>investigate</i> if you can re-use or recycle the priority waste. Also investigate how you can avoid producing or generating similar waste in the future. Some ways you can investigate alternatives to waste disposal include (but are not limited to): considering EPA guidelines or other relevant publications considering the availability of any relevant technology used in resource recovery consulting someone with relevant expertise and/or industry associations for further guidance.
Duties and controls relating to reportable priority waste (s142-143) (s142-143)	Record and notify transaction details relating to reportable priority waste in accordance with the EP Regulations. You must do this via EPA's online waste tracker tool, replaces electronic waste transport certificates in 2021. Note: Reportable priority waste is a subset of priority waste and carries the highest level of controls. It is reserved for waste types with the highest levels of risk. If you <i>transport</i> reportable priority waste, <i>ensure</i> you have the relevant <u>permission</u> . If someone transports reportable priority waste on your behalf, <i>ensure</i> they have the relevant permission.

Additional obligations that might apply to your specific activities

In addition to duties under the EP Act, the EP Regulations might apply to your activities.

The EP Regulations help address some risks of harm that need further controls. This includes where there is known risk of mismanagement or there could be significant impacts on human health or the environment.

In some instances, EP Regulations may also be necessary:

- for the legislation to function
- when duty holders need greater certainty or consistency to comply with the duties listed in the table on the previous pages.

As well as the EP Regulations relating to permissions (page 16), waste management (page 29), and noise (page 32), consider whether any of the following apply to you:

• It is an offence to sell or give away **lightweight plastic shopping bags** (regs 133-134). It is also an offence to provide false or misleading information about the types of bags that you are supplying.

If you're unsure whether your bags comply, ask your supplier to provide evidence of your bags' thickness, at the thinnest point or from across multiple points of the bag. If your supplier is unable to provide the thickness and you still want to explore using the bags, a measurement laboratory can test your bags' thickness.

The Victorian ban is slightly different to bans in other states. It is your responsibility to understand and comply with Victoria's laws.

More information about complying with the plastic bag ban is available on the <u>EPA website</u> (epa.vic.gov.au/for-business/how-to/comply-with-plastic-bag-ban).

- Motor <u>vehicles</u> that emit visible smoke, or exceed exhaust and noise limits must not be used or sold (regs 135-149). It is an offence to sell a motor vehicle that is subject to a vehicle testing notice (regs 156-158).
- If you have an onsite <u>wastewater</u> management system, reasonable steps must be taken so it doesn't pose a risk to human health and the environment. It must be maintained in good working order and not overflow. For example, make sure it's not overloaded, because this can cause blockages, runoffs, spills or leaks. There are also duties in relation to providing information on correct operation and maintenance, notifying council if the system poses a risk to human health or the environment or is otherwise not in good working order, and keeping maintenance records (regs 159-163). **Note:** Councils administer permits for the construction, installation or alteration of onsite wastewater management systems. Councils may also take enforcement action for breaches of onsite wastewater management systems permit conditions (reg 171).

- If you sell **solid fuel heaters**, they must be compliant with two specified Australian and New Zealand standards⁴ related to efficiency and particulate emissions (reg 110).
- Certain <u>chemical substances</u> must not be processed, stored, or used unless EPA has been notified of the intention to do so, and EPA has given you notice that the activity may be undertaken. These prohibited chemical substances generally comprise chlorofluorocarbon (CFC) substances that destroy our ozone layer (reg 102).
- There are obligations relating to some **toxic substances** and their levels. Facilities that have activities associated with one or more of the subset of <u>ANZSIC codes</u> for the <u>National</u> <u>Pollutant Inventory</u> (which tracks certain pollution across Australia) are required to report on their emissions and transfers if thresholds are exceeded (regs 103-108).
- If you use <u>methyl bromide</u> (such as for fumigation for pest and disease control), you must, so far as reasonably practicable, replace it with an alternative substance or technology. If it is not reasonably practicable to replace it, you must eliminate or reduce emissions. For pest and disease control, this can be done by recovering the methyl bromide and returning it to the supplier (reg 111).

See the <u>EP Regulations</u> at epa.vic.gov.au/about-epa/laws/new-laws/subordinate-legislation.

⁴ AS/NZS 4012 Domestic solid fuel burning appliances - Method for determination of power output and efficiency AS/NZS 4013 Domestic solid fuel burning appliances - Method for determination of flue gas emission

4. Permissions

Under the environment protection laws, EPA issue <u>licences</u>, <u>permits and registrations</u>. These are collectively referred to as 'permissions' (regs 16-42) and work with the general environmental duty. They ensure certain standards and conditions are met across a range of activities.

The nature of your activities determine if you need a permission, and the level of control that needs to be put in place. Permissions are set by Schedule 1 of the EP Regulations (see <u>Appendix B</u>: **Prescribed permission activities**).



Licences – are for prescribed activities that need the highest level of regulatory control. Applications involve a detailed assessment. Licences granted will include customised conditions that EPA regularly checks compliance with.

Permits – are for prescribed activities that are moderate or high risk but low complexity, such as operating an onsite wastewater management system. The conditions of a permit can provide additional direction and clarity about how to manage your risks.

Registrations – are for low-risk prescribed activities such as dry-cleaning. Registrations are automatically granted upon application and may include standard conditions to help you manage your risks.

Applying for an exemption – in some situations, EPA may grant an <u>exemption</u> from a licence or permit. For example, where an activity has a low risk of harm. If you receive an exemption it may be subject to conditions or specific requirements, which you must comply with or risk facing a penalty (EP Act, s44, s46, s80, s82).

For more information, see EPA's <u>draft Permissions scheme policy</u> (publication 1799), which describes how the three types of permissions work.

Fees, assurances and other costs

There are fees for licences (regs 172-185), permits (regs 186-200) and some registrations (regs 201-203). See the <u>EPA website</u> (epa.vic.gov.au/for-business/fees/calculate-fees-and-fines) for information about how fees are calculated and how to pay them.

There are other fees relating to the emergency storage and use of waste, <u>better environment</u> <u>plans</u>, applications for accredited consignors, site management orders (to revoke or vary) and for exemption applications (regs 209-215).

Some prescribed activities:

- require payment of an environment protection levy or waste levy (regs 43-52)
- may require submission of a <u>financial assurance</u> (regs 167-168) to EPA. This is to ensure appropriate funds are available if a cleanup is required, and prevent the community bearing the cost. There is a fee for review and release of financial assurances (regs 204-205).

These are highlighted in <u>Appendix B</u> – Prescribed permission activities.

5. How environment protection law is enforced

EPA compliance and enforcement

EPA works with industry to build knowledge and capability to prevent environmental harm.

We provide businesses with certainty, transparency and consistency. In turn, EPA expects duty holders to take proactive steps to inform themselves and comply with their obligations.

EPA supports compliance with guidance, education, and where appropriate, remedial action. We will strongly enforce the law if the environment or community is deliberately or negligently exposed to harm.



For more information, see EPA's <u>Regulatory strategy (publication 1800)</u> and <u>Compliance and</u> <u>enforcement policy (publication 1798)</u>.

Who enforces environmental protection laws?

EPA has a team of authorised officers (AOs), including environment protection officers (EPOs) and officers for the protection of the local environment (OPLEs) who inspect businesses and premises, provide guidance and advice about compliance, and enforce the law. Councils also have powers to enforce certain environmental laws under the EP Act and EP Regulations. Council officers can hold statutory appointments under the EP Act, such as a litter enforcement officer.

What happens if I don't manage my risks?

If an EPA AO reasonably believes you are not complying with your duties, they may give you compliance advice or use a remedial tool (see the table below and on the next pages for an overview) or sanction. The aim of this is to address any harm, waste or contamination present and bring you into compliance with the relevant duties.

Remedial tools

Remedial tool	What it is
ComplianceThis may include information about how to comply with the laadvicestandards and/or other support on how to remedy non-comp	
	While an AO will record this advice in a report it doesn't mean you necessarily have to follow the advice if you find another suitable way to comply.

Remedial tool	What it is	
Remedial notices	These may be issued where an AO reasonably believes you are not complying with the law or where a harmful or unlawful situation exists.	
	A remedial notice can also function as a formal record that EPA has sought action to remedy non-compliance. The range of remedial notices include:	
	• Improvement notice – requires you to take action to remedy non- compliance. A notice can request that you proactively address a risk. This means harm doesn't necessarily have to occur for EPA to issue an improvement notice.	
	• Prohibition notice – requires you to stop an activity that has an immediate risk of harm. It may also require you to do other things to prevent or minimise the harm.	
	• Notice to investigate – requires you to investigate whether: land is or may be contaminated; a pollution incident has occurred; industrial waste is at a place or premises unlawfully; or there is a risk of harm arising from pollution or the depositing, storing or handling of waste. This investigation will determine whether further action needs to be taken.	
	• Environmental action notice – requires you to address the impact of pollution, waste and contamination. It is used when: land is or may be contaminated; a pollution incident has occurred; industrial waste is at a place or premises unlawfully; there is a risk of harm arising from pollution or the depositing, storing or handling of waste; or you haven't complied with a notice to investigate.	
	• Non-disturbance notice – requires you to stop movement or prevent disturbance of anything at a place or premises. For example, if an AO believes it is necessary to carry out an investigation into non-compliance.	
	• Waste abatement notice – requires you to address waste that: negatively impacts the public; negatively impacts the proper use of a place; or is a hazard to the environment. It may be issued by EPA officers or councils. It requires you to: conduct a cleanup to remove waste; restore places impacted by waste; modify activities that cause waste to be deposited; or lawfully dispose of waste.	

Remedial tool	What it is
<u>Site management</u> order	Used for the long-term management or rehabilitation of contaminated land or to undertake a broad range of actions to manage the risk of harm. It may be used when land is contaminated, or where there is a risk of harm from pollution and waste.
	Measures required by an order may include installing and maintaining infrastructure, monitoring of contamination on the site and ongoing reporting requirements.
Directions	Issued when an AO believes there is an immediate risk of harm, for example, during an emergency incident.
	Whether issued verbally or in writing, it is an offence to not follow directions unless there is a reasonable excuse not to.

In certain circumstances EPA may determine that pursuing a sanction is warranted. This may be an infringement notice, enforceable undertaking or penalties determined by a court through civil or criminal proceedings. EPA will publish a policy on sanction powers in 2021.

What are the powers of an EPA AO?

EPA AOs can enter a place or premises to:

- conduct inspections
- assess and monitor compliance with the EP Act and EP Regulations
- determine whether there is a risk to human health or the environment from pollution and waste.

Possible reasons an AO may inspect your site include a report of pollution (for example, from a community member, local council or WorkSafe) or to check you are complying with your EPA approval, licence, permit or notice. It could also be in response to an emergency notification from an emergency services authority such as Fire Rescue Victoria.

Before starting an inspection, an AO will explain the role of each EPA officer present and the purpose of the inspection (such as responding to a pollution report). The AO will show their authorised officer identification card and discuss any OHS issues.

EPA AOs can:

- examine or test anything at the premises
- take samples away for analysis
- take pictures or recordings if required
- inspect documents
- request information
- take away anything that may be evidence of a breach of the Act.

Anyone at the premises must cooperate with the AO. There are also circumstances which an AO can enter residential premises.

See EPA's <u>Compliance and enforcement policy</u> (publication 1798) for more information.

6. Common environmental hazards in retail

Hazards you may commonly come across in retail include:

- air contaminants
- chemical spills
- dust
- fire and explosion
- odour
- pathogens
- surface run-off
- noise
- waste
- wastewater.

See the tables on pages 22 to 28 for information about these hazards, and some examples of what may cause them. This isn't a complete list but gives you an idea of what could harm people and the environment if risks of harm aren't properly managed.

Some of the common sources of harm can impact many different areas of the environment as well as human health. These areas include, but aren't limited to:

- social surroundings (houses, hospitals, schools, playgrounds, public amenities)
- waterways and bays, sources of drinking water for people or livestock
- parks and recreational areas
- areas of public interest and cultural significance
- land or water with identified plant life, animal, life, ecosystem or environmental value.

These are also referred to as 'sensitive receptors'.

A single hazard can have multiple risks associated with it that can cause several harmful impacts. For example, poor management of stored chemicals can result in chemical spills, release of air contaminants, and surface water contamination.

Remember that every business is different and may have a unique set of hazards and risks. Putting in place controls to eliminate or reduce identified risks of harm from pollution or waste will help you meet your general environmental duty. Following standards in existing relevant regulatory legislation or codes of practice (for example, OHS) can also indicate that your common sources of harm are being managed appropriately.

Hazard: Air contaminants

Toxic or hazardous materials that are discharged into the air in the form of soot, ashes, fumes, gas, smoke etc.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Old and/or leaking equipment (for example, refrigerators, forklift fuel tanks) Inappropriate handling or containment of toxic or hazardous materials such as gas, vapours and solvents. Uncovered solvents and handling of volatile organic compounds (VOCs) Fire ignition sources Exhaust fumes from poorly maintained vehicles and machinery Sweeping, cleaning and polishing Emissions from waste storage areas Bulk storage tank failure 	Air pollutionImage: Vegetation damageImage: Human healthImage: Arimal Animal healthImage: Vegetation compared DustImage: Vegetation healthImage: Arimal healthImage: Vegetation Compared DustImage: Vegetation health	Check air quality in Victoria – <u>EPA AirWatch</u> <u>Air pollution</u> <u>Air quality</u> <u>Vehicle emissions</u> and air quality

Hazard: Chemical spills

The uncontrolled release of chemicals, regardless of the amount or whether the spill happens indoors or outdoors.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Leaking containers, including chemical storage drums A site layout and design that fails to contain liquids if there is a spill, for example, inadequate bunding Lack of secondary containment, including bunding Poorly managed deliveries (for example, that damage chemical containers) Poor management of spill kits 	Water pollutionImage: Constraint of the constraint of t	Liquid storage and handling guidelines (publication 1698) Solid storage and handling guidelines (publication 1730)

Hazard: Chemical spills

The uncontrolled release of chemicals, regardless of the amount or whether the spill happens indoors or outdoors.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Improper application of chemicals Inappropriate storage and handling of chemicals, solvents, fuel, paints, glues and additives Poor storage and handling of hazardous wastes 	Animal health heritage	

Hazard: Dust

Earth or other matter, in fine, dry particles.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Exposed piles of soil, mulch and other bulk gardening supplies Transporting soil, mulch and loose materials without adequate covering Operations including cutting or shredding materials Sweeping Poor housekeeping 	Air pollutionImageI	Check air quality in Victoria – EPA AirWatch Reducing erosion and sedimentation risk: guidelines for industry Assessing and controlling risk: a guide for business (publication 1695) How to control dust from your business Work-based dust examples

Common sources of harm Possible consequences if		For more	
risks of harm from pollution		information,	
and waste aren't managed		including controls	
 Old and/or leaking refrigeration units Battery recharging or forklift refueling stations Ignition sources (for example, smoking near chemical storage areas) Battery storage (for example, from take-back programs) Fuel spills at service stations or in transit from refineries/storage depots Poor handling, storage and use of compressed gas cylinders (helium) and batteries. 	Air pollutionImage: Vegetation damageImage: Vegetation pollutionImage: Land and groundwater pollutionImage: Vegetation damageImage: Vegetation pollutionImage: Land and groundwater pollutionImage: Vegetation Animal healthImage: Vegetation Human healthImage: Land and groundwater pollutionImage: Vegetation Animal healthImage: Vegetation Human healthImage: Land and groundwater pollutionImage: Vegetation Animal healthImage: Vegetation Human 	<u>Assessing and</u> <u>controlling risk: a</u> <u>guide for business</u> (publication 1695)	

Hazard: Odour

Gases in the air that can cause an unpleasant smell.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Poor storage and stockpiling of waste Uncontained putrescible/organic waste Chemicals stored without containment (including paints, solvents) Waste receival and deliveries Sewage/trade waste Improper disposal of hazardous waste such as soiled towels, wipes and rags Fumes from vehicle and equipment exhausts 	Air Offensive Human pollution odour Health	Odour guidance for businesses Odour work-based examples

Hazard: Pathogens

Includes bacteria, viruses, or other microorganisms that can cause disease.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Poor storage and handling of organic and putrescible waste Improper handling and disposal of prescription medication, vaccines, sharps and syringes Animal faeces Unwashed or unclean second-hand goods, such as clothing or bedding 	Water pollution Human health Animal health	Assessing and controlling risk: a guide for business (publication 1695) Liquid storage and handling guidelines (publication 1698) Solid storage and handling guidelines (publication 1730)

Hazard: Stormwater contamination

Surface run-off from rain and storms that enters our waterways (for example, creeks, rivers, wetlands and bays) can contain pollutants such as sediments, fertilisers, nutrients, chemicals, litter, and human and animal faeces. Stormwater drains do not lead to a treatment plant but connect to nearby creeks, rivers, wetlands and bays.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Improper disposal and management of cigarette butts, plastic bags and litter Improper disposal of oils, fats and chemicals Poor management of chemical storage, bunded areas Old and leaking bunding Spills or leaks of detergents, cleaning agents or other chemicals Spills during decanting of chemicals 	Water pollution Human health heritage	Reducing stormwater pollution: A guide for industry (publication 978) Reducing stormwater pollution in your shopping centre/strip (publication 979)

Hazard: Stormwater contamination

Surface run-off from rain and storms that enters our waterways (for example, creeks, rivers, wetlands and bays) can contain pollutants such as sediments, fertilisers, nutrients, chemicals, litter, and human and animal faeces. Stormwater drains do not lead to a treatment plant but connect to nearby creeks, rivers, wetlands and bays.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Inappropriate or inadequate containment of washdown water from cleaning of vehicle, machinery and equipment 		How to prevent water pollution from your business Liquid storage and handling guidelines (publication 1698) Solid storage and handling guidelines (publication 1730)

Hazard: Noise

Unwanted sound (including vibration) that's annoying, disturbing or harmful.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Vehicle movement and beepers, such as those used during deliveries and waste collection Excessive vibrations and noise from heating and cooling units, ventilation systems, exhaust fans and fridges Continuous use of power tools Improper use of radios/speakers Playing loud music 	Animal health Human health	Noise guidance for businesses Noise control guidelines (publication 1254) <i>How to reduce noise</i> <i>from your business</i> (publication 1481) Commercial, industrial and trade noise Transport noise

Hazard: Waste

Any matter, whether solid, liquid, gaseous or radioactive, which is discharged, emitted or deposited in the environment in a way that alters it. This includes unwanted or surplus material, irrespective of its potential use or value.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Poor storage (segregation), transport, or disposal of wastes of different types. For example, recyclables, glass, oils and fats, organics, food wastes, single use plastics and e-waste Uncontained putrescible/organic waste Poor storage, transport or disposal of excess or used chemicals. For example, cleaning agents, dyes and bleaches, acrylics and acetone, pesticides and herbicides, paints and solvents Pest control remains not contained and disposed of properly, such as carcasses and used bait Sewage/trade waste Improper storage and segregation of medical or biomedical wastes from general waste and industrial wastes 	<image/>	Managing waste Comply with the plastic bag ban Industrial waste resource guidelines Managing e-waste How to hire a skip bin: your responsibilities <i>Waste classification</i> <i>assessment protocol</i> (publication 1827) <i>Waste disposal</i> <i>categories</i> – <i>characteristics and</i> <i>thresholds</i> (publication 1828) EPA will publish information on managing industrial waste in 2021.

Hazard: Wastewater

Any excrement or domestic waterborne waste, or any water that has been 'used' or is in excess and is not wanted for use, whether untreated or partially treated.

Common sources of harm	Possible consequences if risks of harm from pollution and waste aren't managed	For more information, including controls
 Washing vehicles, tools, and equipment near drains without containment or collection of wash waters Excess waste disposal into trade waste or onsite wastewater treatment plant. For example, oils and fats, cleaning agents, dyes and bleaches, acrylics and acetone, pesticides and herbicides, paints and solvents 	Water pollutionImage: Constraint of the constraint of t	Reducingstormwater pollution:A guide for industry(publication 978)How to prevent waterpollution from yourbusinessWaste classificationassessment protocol(publication 1827)Waste disposalcategories –characteristics andthresholds(publication 1828)

7. Waste management

It is up to everyone to safely manage their waste. Waste generators, transporters and receivers must all make sure waste goes to a place authorised to receive it.

This requirement supports waste reuse and recovery. It also helps to avoid land and groundwater contamination, stockpile fires, abandoned waste, and illegal waste sites.

For some businesses, managing waste may involve simply sorting it into the right bin and keeping it out of drains. For other businesses, it is more complex. Some examples of hazardous waste include asbestos, clinical and medical waste, unprocessed used cooking fats and oils.

Industrial and priority waste

Industrial waste is waste any business produces. This includes any waste transported from commercial, industrial and trade activities, or from laboratories for fee or reward. Kerbside waste that is collected by, or on behalf of a council or waste and resource recovery group is not considered industrial waste until it reaches a waste or resource recovery facility such as a transfer station.

If you produce industrial waste there are specific requirements you must meet. If you have high risk industrial waste, more care and controls are needed.

Follow these three steps to help you comply:

 Classify your waste. Waste must be properly identified and classified so it is clear what duties apply to managing the waste. Most common wastes are listed in Schedule 5 of the EP Regulations. Based on hazard and mismanagement risk, the majority of these have been pre-classified into three types:



- **Industrial waste**, as defined above, includes household waste once it is gathered at a waste facility (such as a transfer station or landfill). Other examples include aluminium, glass, textiles, paper, plastic and solid food waste.
- **Priority waste** is a higher risk industrial waste. It requires additional controls due to its higher level of hazard, its potential to be mismanaged, or to encourage resource recovery or efficiency. Examples include e-waste and treated timber (including sawdust).
- **Reportable priority waste** is the highest risk industrial waste. It requires the highest level of controls. Only permissioned transporters can transport this type of waste. Examples include paints and solvents, herbicides and pesticides, and other hazardous chemicals.

Use <u>EPA's Waste Tracker</u> to notify EPA of all reportable priority waste transactions

Waste Tracker logs all reportable priority waste transactions. Examples of waste transactions include when waste moves from producer to transporter, and transporter to receiver. Waste Tracker helps to make sure waste is transported appropriately and taken to a lawful place. You can access Waste Tracker via the EPA portal.

- 2. Arrange for appropriate transport. Waste must be safely contained during transportation, and the transporter must be provided with sufficient information about the waste. Some waste types have specific containment and isolation requirements, such as asbestos, which must be packaged during transportation to landfill.
- 3. Ensure the waste goes to the right place. All industrial waste must go somewhere lawfully able to receive it, such as a place with an EPA permission. Examples include licensed landfills and waste treatment facilities. Some wastes are banned from going to landfill. This includes liquid wastes, tyres and e-waste. Note: If you arrange a contractor to manage your site waste, you still have a responsibility to take all reasonable steps to ensure it goes to a lawful place. For example, you should check your contractor engages reputable waste operators and ask questions about how your waste will be managed.

Note: EPA will publish more guidance on managing industrial waste in 2021. You can also find useful waste and recycling tips at <u>sustainability.vic.gov.au</u>.



Finding a lawful place to send your waste

A lawful place is somewhere lawfully authorised to receive industrial waste. Often this will be a facility with a permission. Examples include landfills, resource recovery facilities, and transfer stations. When engaging a waste transporter, ask for information in writing that shows where they plan to take your waste and check that the waste transporter is authorised to receive your waste.

See <u>How to establish lawful place</u> (publication 1946) for more information.



Some lower risk waste can be lawfully taken to a place that does not hold a permission. Two other options can provide for lawful place in certain circumstances:

Declaration of use (DoU) - is a tool that supports the safe use and recovery of materials from lowrisk waste. It does not apply to material from high-risk wastes, which need a permission. Applying waste to land is only allowed through a DoU for a limited number of wastes. These include:

- commercial garden and landscaping organics that don't contain any physical or chemical contamination
- untreated timber, including sawdust
- natural organic fibrous waste.

Determination – is a tool that allows the safe use of specified types of low-risk waste. This may include processed solid organic waste, manures, fill material and aggregates. EPA makes determinations and sets required specifications for the lawful deposit and receipt of industrial waste, subject to conditions or limitations.

Littering and illegal dumping

<u>Littering and illegal dumping</u> is a significant problem in Victoria. Common examples of illegally disposed waste include industrial waste, soil, e-waste and packaging. Offences relating to the unlawful deposit of waste covers litter⁵, dangerous litter⁶, waste of more than 50 litres, and waste of more than 1000 litres. EPA and other litter enforcement authorities, including councils, Victorian Police and Parks Victoria, enforce these unlawful deposits (Part 6.3, EP Act).

It is also an offence to distribute unsolicited documents. For example, placing leaflets under a windshield wiper or a poster on a wall without consent of the owner. It is also an offence to damage public bins or drive a vehicle with an unsecured load or make someone else drive such a vehicle (regs 54-59).

Reusing and recycling packaging materials

Companies that own retail brands may, unless they are signatories to the Australian Packaging Covenant, be responsible for the packaging of consumer products, the plastic bags sourced, and the plastic bags provided or available to customers.

Brand owners may also be required to take responsibility for recovering, reusing and recycling the materials used in their packaging.

There are also record keeping requirements that may be relevant to the brand owner related to how much packaging was used, the different types (for example, paper and cardboard, glass, plastic), how much was reused or recycled, and what information was made available to customers about recovery rates (regs 93-99).

⁵ 'Litter' means a quantity of waste that does not exceed 50 litres.

⁶ 'Dangerous litter means litter that is wholly or partly comprised of one or more of the following: a) oil, fuel, grease, paint or solvents; b) a lit cigarette or a lit cigarette butt; c) glass; d) a syringe; e) any substance, material or other thing prescribed by the Regulations.

Accredited consigners

Those who produce industrial waste may want to seek additional advice and assistance if they are unsure about waste obligations. One option is to engage an <u>accredited consigner</u>. An accredited consigner is an appointed professional who has the approval of EPA to classify your waste and can assist you to meet some of your other waste duties.

It is not a requirement to work with an accredited consigner, but it is an option available to you.

8. Noise

Environment protection laws require anyone who engages in an activity that creates noise which may be harmful to people or the environment to manage those risks of harm. This includes retail activities. Noise is defined as both sound and vibration.

This is regardless of whether the noise you are trying to prevent and/or control has a legally, prescribed limit. The general environmental duty (GED) requires you to eliminate or minimise the risks of harm from your noise so far as is reasonably practicable.

There is a greater risk of harm when there's poor management of noise and it happens near homes, schools, hospitals, and other noise sensitive areas⁷.

Further to your GED noise obligations, you must make sure your business doesn't emit **unreasonable** or **aggravated** noise. This includes complying with noise limits where relevant.

The EP Regulations prescribe what is unreasonable noise from <u>commercial</u>, <u>industrial</u> and <u>trade</u> <u>premises</u> including retail businesses. Retail businesses that play music are also indoor entertainment venues under the EP Regulations.

The EP Regulations do not set operating hours for businesses. Instead, the <u>Noise Protocol</u> (publication 1826) sets noise limits and methods to assess the noise for the purpose of the EP Regulations for both commercial noise and music noise.

The noise emitted from the premises is unreasonable if it exceeds the noise limit for the relevant time of day when measured in a noise sensitive area. The noise limits are lower at more sensitive times, such as at night.

Some noise sources are not assessed using the EP Regulations. This includes noise from, for example, intruder, emergency or safety alarms and lawnmowing (see reg 117 for the full list).

However, the noise can be considered unreasonable when you have regard to the factors identified in the definition of unreasonable noise in the EP Act.

Under the EP Act, unreasonable noise is noise that is unreasonable regarding:

- its volume, intensity or duration
- its character, the time, place and other circumstances in which it is emitted
- how often it is emitted, or
- any prescribed factors in the EP Regulations.

Unreasonable noise using the factors in the EP Act can be applied to any noise including where the noise is not assessable under the EP Regulations (reg 117 and reg 124) or affects a place that is not a noise sensitive area defined in the EP Regulations.

Note: The GED and unreasonable noise in section 166 of the EP Act apply independently. However, meeting the GED can help you to meet the regulatory noise limits.

⁷ The EP Regulations prescribe some noise sensitive areas where noise limits apply. These include childcare centres, kindergartens, primary and secondary schools; as well as tourist establishments, caravan parks and camping grounds (in defined rural areas only). The noise limits at childcare centres, kindergartens, primary and secondary schools only apply when the noise sensitive area is in operation.

EPA will publish further guidance about the noise framework in 2021.

Getting help to manage noise – You can get a noise and vibration impact assessment to help you manage noise or predict the effects of implementing noise and vibration controls you plan to use. You can engage an acoustic consultant to help you do this.

9. Where to go for more help



1300 EPA VIC (1300 372 842)

epa.vic.gov.au/for-business/find-your-industry/retail-and-small-business – Some helpful general publications include:

- <u>Assessing and controlling risk A guide for business</u> (publication 1695) how to manage risks, using a four-step process.
- <u>Self-assessment tool for small business</u> (publication 1812) check what actions you can take to manage the risks of your business causing harm to people and the environment.
- <u>Supporting you to comply with the general environmental duty</u> (publication 1741.1) – information about the general environmental duty, state of knowledge and the role of industry guidance.
- <u>Fact sheet: Engaging consultants</u> (publication 1702) information about engaging consultants to identify and understand hazards and select appropriate control measures.

Note: Some EPA publications haven't been updated to reflect changes which take effect from 1 July 2021. Guidance should be viewed as general in nature and not a substitute for obtaining legal advice.

Industry associations – Contact your industry association for further information about resources, training and opportunities that may be relevant to your business.

<u>Know Your Council</u> (knowyourcouncil.vic.gov.au) – the Victorian Government has compiled a list of all councils in Victoria. Get in touch with your council for information on building regulations and the Victorian planning schemes, and what it means for your operations.

<u>WorkSafe Victoria</u> (worksafe.vic.gov.au) – for guidance and advice relating to health and safety at your workplace, including storing, handling and transporting dangerous goods.

Facilities Management Association of Australia (fma.com.au) – for information and resources about managing public and private facilities, including <u>Good</u> <u>practice guide: waste management</u>.

<u>Sustainability Victoria</u> (sustainability.vic.gov.au) – for information about grants and funding, research, and publications such as <u>Measure and monitor energy use</u> <u>in your business</u>, <u>Love Food Hate Waste Business</u>, and <u>Where to take your e-waste</u>.

<u>Planet Ark</u> (planetark.org/programs/business-recycling) – for information about recycling, including assistance for small and medium businesses in relation to finding re-use and recycling services.

Appendix A: Action plan example

Key focus area	Action required	Objective	Action owner (who)	Target completion date	Date action reviewed	Additional comments (post review)
For example, B	For example, Review EPA Liquid storage and handling guideline	Improve the way liquids are stored on site and spill containment.	Danica	03/08/2021		

Use this template to list actions you can take to improve the way you control risks.

Key focus areas:

A: Understanding the preventative laws	B: Documentation and operational procedures	C: Identification of hazards and risks If any of the following apply, please specify: C(i): Identification of air pollution and odour C(ii): Identification of unreasonable and aggravated noise C(iii): Identification of water pollution (including stormwater)
D: Assessing hazards and risks	E: Managing risks of harm	F: Monitoring risks of harm
G: Reporting notifiable incidents	H: Management of contaminated land	I: Managing waste(s) (including disposal)
J: Permissions for activities	K: Storage of flammable or hazardous material(s)	L: Staff consultation and training and/or community engagement

Appendix B: Prescribed permission activities

If you undertake any of the activities below, there are specific things you must do to comply with the law. This includes applying for the relevant permission and paying a fee (if applicable). This is a summary of the activity types listed in Schedule 1. See **Schedule 1** and **Part 3.5** of the <u>EP Regulations</u> for further detail on the prescribed permission activities and other regulations relating to permissions, including prescribed exemptions.

Legend -

Environment protection levy applies	 Waste levy applies 	Einancial assurance may be required	Council issued permit
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Waste treatment, disposal, transport and recycling			
Reportable priority waste management ⊛⊠	Other waste treatment incineration	Other waste treatment – e-waste more than 500 tonnes	
Other waste treatment – e-waste more than 500 tonnes or less	Sewage treatment	Industrial wastewater treatment	
Industrial wastewater treatment	Landfills – excluding municipal landfills servicing less than 5000 people 🛞	Municipal landfills servicing less than 5000 people	
Disposal to land	Organic waste processing – large	Organic waste processing – small	
Waste to energy	Waste tyre storage – large	Waste tyre storage – small	
Reportable priority waste (transport) – high risk	Reportable priority waste (transport) – other	Transporting waste into Victoria	
Transporting waste out of Victoria	Waste and resource recovery – large 🖾	Waste and resource recovery – medium 🖾	
Waste and resource recovery – small	Reclaimed wastewater supply or use	Biosolids supply or use	
Supply or use of reportable priority waste	Containment of Category D waste soil	Discharge or deposit of waste to aquifer	
Temporary onsite waste treatment	Onsite wastewater management systems	Temporary storage – biomedical waste	
Temporary storage – asbestos	Temporary storage – designated waste		
	Primary industry and allied operation	ns	
Animal industries – waste not solely to land	Livestock saleyards or holding pens – waste solely to land	Livestock saleyards or holding pens – waste not solely to land	
Fish farms			
	Extractive industry and mining		

Extractive industry and mining		
	Animal derived by-products and	l food
Abattoirs	Rendering	Animal skin tanning works
Seafood processing	Petfood processing	Food processing
Food processing	Milk processing	Edible oil or fat processing
Beverage manufacturing		
	Textiles	
Textile works		
	Wood and wood derivative	S
Timber preserving works	Fibreboard works	Paper pulp mills
Chemical works	Coal processing	Oil or gas refining
Bulk storage 🖾	Container washing	
	Non-metallic minerals	
Cement works	Bitumen or asphalt batching	Ceramics
Mineral wool works	Glass works – manufacturing	Glass works – large reprocessing
Glass works – small reprocessing		
	Metals and engineering	
Primary metallurgical	Metal melting	Metal galvanising
Metal finishing	Can and drum coating	Vehicle assembly
	Printing	
Printing		
	Utilities	
Power generation	Carbon geosequestration	Water desalination
	Others	
General discharges or emissions to the	Contaminated sites – onsite soil	Road tunnel ventilation systems
atmosphere	retention ⊠	
Operation outside of hours or extended	Conducting more than six outdoor	Dry-cleaning
operations	concerts	
Receiving waste acid sulphate soil for treatment		