

Fact Sheet

Trade Waste Pre-treatment Requirements

This Fact Sheet provides guidelines for pre-treatment requirements tailored to small and medium-sized businesses. Pre-treatment ensures compliance with discharge quality standards and minimises the impact on the receiving wastewater system and treatment plant.

Major industries require a customised pre-treatment plan and should contact Council directly.

Under the *Plumbing and Drainage Act 2018*, installation of trade waste pre-treatment systems requires submission of a plumbing application to Council.

| Industry | Discharge Risk | Minimum pre-treatment |
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| Industrial | | |
| Automotive businesses including: <ul style="list-style-type: none"> • automotive dismantlers • wreckers • mechanical workshops • service stations • refuelling bays • vehicle washing facilities | <ul style="list-style-type: none"> • Grease • Oil • Petroleum hydrocarbons • Suspended solids • Metals • Solvents • Detergents | <ul style="list-style-type: none"> • 1000L holding pit with dry basket arrestor; • 1000L mineral oil arrestor • Units sized according to influent flow. |
| Heavy duty wash-bay. <ul style="list-style-type: none"> • Waste depot • Heavy plant and equipment washing | <ul style="list-style-type: none"> • Grease • Oils • Petroleum hydrocarbons • Suspended solids • Metals • Solvents • Detergents | <ul style="list-style-type: none"> • Heavy duty solids screen; • 1000L silt arrestor; • Settling tank; • 1000L mineral oil arrestor |
| Panel beater Spray painting | <ul style="list-style-type: none"> • Grease, oils • Suspended solids | <ul style="list-style-type: none"> • Silt arrestor; • 1000L pit with dry basket arrestor; • 1000L mineral oil arrestor. • Units will be sized according to influent flow. • No spray booth discharge. |
| Radiator repairs | <ul style="list-style-type: none"> • Suspended solids • pH • Heavy metals | <ul style="list-style-type: none"> • Silt arrestor; • Metal removal and pH adjustment may be required before discharge to sewer. • Bunded floor to prevent spillage. |
| Bin wash bay | <ul style="list-style-type: none"> • Suspended solids • BOD • Grease | <ul style="list-style-type: none"> • Dry basket arrestor in floor waste; • 1000L silt arrestor. |

| Food | | |
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| Food preparation with: <ul style="list-style-type: none"> no greasy waste; and no onsite cooking; and combined capacity of fixtures is ≤250 L/hour; and no commercial dishwasher; and process water used ≤500 L/day. Example: Juice bar | <ul style="list-style-type: none"> BOD Suspended solids | <ul style="list-style-type: none"> No pre-treatment required. |
| Food preparation with: <ul style="list-style-type: none"> greasy wastewater; or cooking or baking of food; or combined capacity of fixtures is >250 L/hour; or process water use >500 L/day. Examples: Restaurants, takeaways, childcare centres (with on-site cooking) | <ul style="list-style-type: none"> BOD/COD Grease Suspended solids | <ul style="list-style-type: none"> Dry basket arrestor in floor waste; 1000L silt/grease arrestor. |
| <ul style="list-style-type: none"> Butcher, chicken processing with no onsite cooking. Fish and shellfish processing with no onsite cooking | <ul style="list-style-type: none"> BOD/COD Grease Suspended solids | <ul style="list-style-type: none"> 1000L silt/grease arrestor. All drainage from sinks and floor waste to pass through a dry basket arrestor. |
| Small brewery | <ul style="list-style-type: none"> pH, BOD/COD Suspended solids | <ul style="list-style-type: none"> 1000L silt arrestor; pH control. |
| Other industries | | |
| Manufacture of plaster or optical glass products. <ul style="list-style-type: none"> Dental prosthesis. | <ul style="list-style-type: none"> Suspended solids Chemicals | <ul style="list-style-type: none"> 1000L silt arrestor. Plaster arrestor for plaster manufacturers |
| Funeral parlour, morgue, autopsy table | <ul style="list-style-type: none"> Suspended solids | <ul style="list-style-type: none"> Dry basket arrestor in floor waste; Screens at the table drainage outlet. |
| Animal housing | <ul style="list-style-type: none"> BOD Suspended solids | <ul style="list-style-type: none"> 1000L silt arrestor |
| Dry cleaning | <ul style="list-style-type: none"> Dry cleaning fluids/solvents | <ul style="list-style-type: none"> No pre-treatment required. Dry cleaning fluids must not be discharged to sewer. |
| Laundromat | <ul style="list-style-type: none"> Lint High temperatures | <ul style="list-style-type: none"> 1mm mesh lint screens. |
| Commercial laundry | <ul style="list-style-type: none"> Lint High temperatures | <ul style="list-style-type: none"> 1mm mesh lint screens; Cooling pit. |
| Laboratory (school) | <ul style="list-style-type: none"> Chemicals pH | <ul style="list-style-type: none"> 1000L dilution tank. |
| Laboratory (commercial) | <ul style="list-style-type: none"> Chemicals pH | <ul style="list-style-type: none"> Contact Council for more information |
| Non-digital photographic processing and developing, X-ray processing. Printing, Screen printing | <ul style="list-style-type: none"> Silver Thiosulphate Sulphite Ammonia | <ul style="list-style-type: none"> Settling tank, neutralising tank or metal recovery unit required. Flammable solvents must not be discharged to sewer. |
| Swimming pools (hydrotherapy, municipal and commercial) | <ul style="list-style-type: none"> High flow rate Corrosion inhibitors Biocides | <ul style="list-style-type: none"> Settling tank may be required. Discharge flow restrictions may apply. |