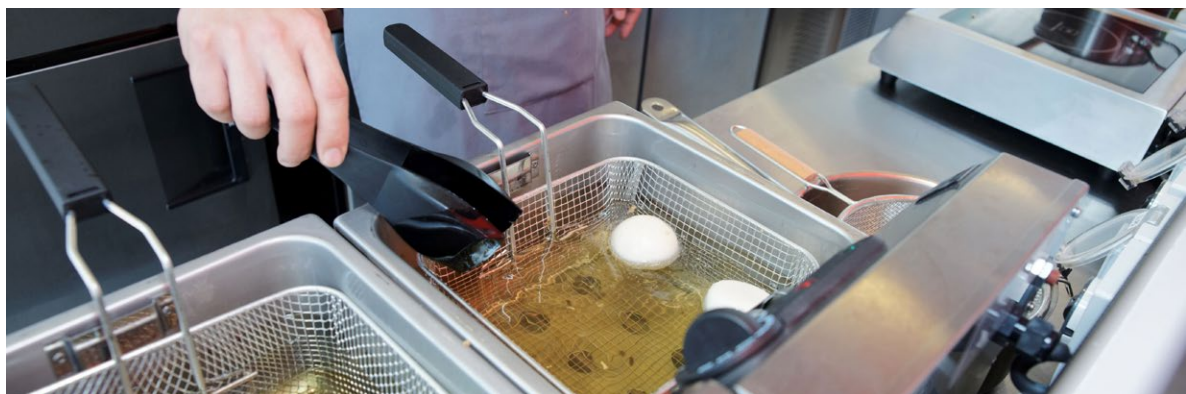


Retail Food Premises and Automotive Trades

This factsheet discusses two common types of trade wastewater discharges, from retail food premises and automotive trades.



retail food premises

Trade wastewater from retail food businesses contains organic material that can cause odours and accelerated corrosion in our sewers. Solids can cause blockages in Council's sewerage system, upset treatment processes and damage pumps. Oils and grease can cause blockages, corrosion and affect Council's treatment processes.

Management of trade wastewater in retail food premises will also affect good food hygiene and food safety practices. Council's Environmental Health Officers investigate complaints regarding poor cleanliness, the presence of pests, foreign matter in food, inadequate protection of food from contamination, alleged foodborne illness and maintenance issues.

pollutants from retail food premises

SOURCE	POSSIBLE EFFECT
<p>solids food particles contained in washwater from plate leftovers and pot cleaning</p>	<p>may block drainage within the food premises may damage Council pumps may cause blockages in sewer more costly to treat the wastewater</p>
<p>oils and grease trade wastewater from washing up includes food particles, sauce, gravy, salad dressing and meat juice residue</p>	<p>may block drainage within the food premises may cause blockages in sewer more costly to treat the wastewater</p>
<p>biochemical oxygen demand trade wastewater contains small particles of food, gravy and sauce residues and sugars this organic material is a readily accessible food source for micro-organisms that are present in the sewer</p>	<p>may cause odours and accelerated corrosion in Council sewers</p>
<p>high temperature high temperature dishwashers release wastewater at high temperatures</p>	<p>temperatures > 25°C cause accelerated corrosion in Council sewers high temperature trade wastewater does not cool sufficiently to allow oil and grease to separate in the grease trap so greasy wastewater discharges from the grease trap</p>



automotive trades

Trade wastewater from the motor industry contains petroleum hydrocarbons, solids, flammable liquids, metals and chlorinated solvents and phenols. These substances can:

- affect the health and safety of Council workers
- damage plumbing and the wastewater system
- upset Councils treatment processes and our ability to produce good quality recycled water and biosolids
- some of these chemicals have the potential to cause explosions.

pollutants from motor trades

SOURCE	POSSIBLE EFFECT
petroleum hydrocarbons diesel, petrol, solvents, liquefied petroleum gas, engine oil, grease and degreasers contain petroleum hydrocarbons	release flammable or explosive gases at the premises or in sewers toxic to aquatic life
road grime, underbody mud and engine grit	deteriorate mechanical equipment such as pumps and valves form deposits in the sewer and cause overflows accumulate in pumping stations, causing blockages cause overflows on your site
metals lead, zinc, copper, nickel and aluminium are found in leaded petrol, radiators, engine parts, catalytic converters, batteries and the residue from chemically cleaning engine blocks	contaminate sewage by-products interfere with sewage treatment processes toxic to humans, animals and plants
chlorinated solvents chlorinated solvents are found in decarbonising solutions and degreasers	toxic to humans damage plastic drainage fittings

For a complete list of commercial trade wastewater processes, read Council's **Liquid Trade Waste policy**.

Further Information

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