

## Basic trade waste pre-treatment requirements

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The following table shows the basic pre-treatment devices normally required, to obtain acceptable quality of trade waste discharge from the listed activities. This is for guidance only. Actual requirements are set in individual discharge permits.

	Silt trap/screening/strainer	Solids settling pit	Oil water separator	Grease arrester	Screening/channel
Animal accommodation	✓	✓			
Auto repairs	✓		✓		
Auto wrecker	✓		✓		
Bakery (retail) (preparation of pies, cream cakes etc.)	✓			✓	
Boarding kennel/cattery	✓				
Boiler blowdown					Blowdown vessel <38 degrees discharge
Brick cutting	✓	✓			✓
Butcher (retail sales)	✓				
Butcher smallgoods /carcass (small operation)	✓			✓	
Café, sandwich/coffee/wine bar etc (hot food prep, significant coffees turnover)	✓			✓	
Car detailing	✓	✓	✓		
Car yard washing/degreasing	✓		✓		
Care facility – hospital/nursing home kitchen	✓			✓	
Carpet cleaning	✓	✓			

	Silt trap/screening/strainer	Solids settling pit	Oil water separator	Grease arrester	Screening/channel
Child care centre (with on-site food preparation)	✓			✓	
Cold store	✓	✓			
Community hall/function centre (hot food preparation)	✓			✓	
Compressor air condensate bleed			Separator capable of treating oil/water emulsions		
Dental/doctor (plaster work)			Plaster trap – under sink		
Dried/glaze fruit	✓	✓			
Earth moving equipment clean/maintenance	✓	✓	✓		
Electrical repairs	✓		✓		
Engineering/manufacturing	✓		✓		
Fish processing (small operation)	✓	✓			
Florists market/plant nursery	✓	✓			
Food processing	✓			✓	
Foundry (no heat treatment)	✓	✓			
Fruit and vegetable market	✓	✓			
Fruit processing	✓	✓			
Hotel (meal preparation/service)	✓			✓	
Ice cream parlour				✓	
Jewellery manufacturing			Plaster trap – under sink		
Juice bar	✓			✓	
Laundromat (coin operated machines)	✓				
Laundromat (with dump machines)					✓
Metal fabrication/pressing/welding	✓	✓	✓		
Milk distribution depot (no milk processing)	✓			✓	
Monumental/stone mason	✓	✓			✓
Mortuary			Screen on autopsy table Flushing ring over sink		
Motel (with restaurant)	✓			✓	
Nursing homes	✓			✓	✓
Pasta manufacturing (small)	✓			✓	

	Silt trap/screening/strainer	Solids settling pit	Oil Water Separator	Grease arrestor	Screening/Channel
Pet food manufacturer (small)	✓			✓	
Plant/equipment wash	✓		✓		✓
Plant nursery	✓	✓			✓
Pottery	✓	✓			
Restaurant	✓			✓	
Sign/screen printer	✓	✓			
Printer (Small)	✓	✓			
Sporting club (hot food preparation)	✓			✓	
Take away food (hot food preparation)	✓			✓	
Truck repairs/washing	✓	✓	✓		
Vegetable processing (small operation)	✓	✓			
Vehicle panel repair	✓	✓			✓
Vehicle washing	✓		✓		✓
Veterinary clinic	✓				
Rotisserie (chicken, roast meats)	✓			✓	
Salad processing (small)	✓			✓	
School (secondary/primary) - home economics, art/craft etc	✓	✓		✓	
School science laboratory		Neutralising pit			
Shopping centres (less than 12,000 litres combined arrestor volume )	✓	✓		✓	

Specific requirements for non-complex screening devices (silt traps, strainers, etc):

- The screening device must be constructed, installed and connected in accordance with relevant plumbing regulations.
- The screening device must be constructed of materials suitable for the nature of the liquid waste likely to discharge through the appliance (e.g. stainless).

- The screening device must be fit for purpose and be in contact with surroundings. Considerations must be taken when sizing the screen (e.g. diameter of appropriate size, to facilitate cleaning).
- Primary screen (removable): max 3mm hole size.
- Fixed secondary strainer: max 3mm hole size (welded or bolted).
- Outlet to other trade waste treatment or through suitable gully as per appropriate plumbing standards.

Specific requirements for venting:

- An induct vent of not less than DN80 is connected to the outlet chamber of the arrestor. A DN80 or larger high level upstream vent (fitted with a wind driven turbine ventilator) is connected to the uppermost end of the drainage system gravitating to the arrestor.
- The minimum venting size for all trade waste drains and pre-treatment devices is a DN80 or larger, however branch drain vent size is fixture unit dependent.