



Trade Waste Policy

1. POLICY STATEMENT

McKinlay Shire Council will provide a liquid waste disposal service for non-domestic, commercial and industrial waste in accordance with the principles of ecological sustainability and in a manner, which safeguards public health and is consistent with McKinlay Shire Council's legislative obligations.

McKinlay Shire Council's will accept, subject to conditions, biodegradable waste into the sewerage system, provided that:

- The system has adequate capacity to effectively collect, transport and treat the waste;
- The waste does not hinder the recycling of by-products; and
- Is in accordance with the principles of ecological sustainability and eco-efficiency, all practicable waste minimisation, recycling and reuse options have been applied by the customer.

2. PURPOSE AND OBJECTIVES

The key features of McKinlay Shire Council's trade waste management approach are:

- A two staged risk-based assessment system.
- Mandatory and target sewer admission limits.
- Three trade waste category system; and
- A strategy of property-based billing to the owner for sewerage volumetric and generator-based permitting based on McKinlay Shire Council's Trade Waste Management Plan risk assessment.

The purpose of this Trade Waste Policy is to outline McKinlay Shire Council's principles for trade waste management and provide stakeholders with information on McKinlay Shire Council's liquid waste disposal service for non-domestic, commercial and industrial waste.

The specific objectives of the McKinlay Shire Council's trade waste management approach are as follows:

- To prevent harm or injury to sewerage employees and general public.
- To safeguard the sewerage system against damage, blockage and/or surcharging; To encourage waste minimisation and cleaner production/pollution prevention, including waste prevention, recycling and appropriate pre-treatment.
- To promote water conservation.
- To exclude non-biodegradable and potentially harmful substances that may:
- Cause non-compliance with statutory license approval conditions.
- Cause the treatment process to fail.
- Affect the efficiency of the treatment process or cause or increase the generation of objectionable odours.
- Render effluent or bio solids unacceptable for reuse or disposal.
- Cause any other detriment to the environment; or
- Physically damage infrastructure.

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Trade Waste Policy

- To move McKinlay Shire Council towards a wastewater source management philosophy as outlined in the National Wastewater Source Management Guidelines;
- To encourage a co-operative and consultative approach with industry to resolve non-compliance issues with respect to trade waste discharges to sewer;
- To equitably recover the cost of services to commerce and industry including the cost of conveyance, treatment and disposal, maintenance and repair of damage to the sewerage system;
- To protect and assist in the operation of the sewerage system and the design of augmentations or new sewerage systems by providing operational data on the volume and composition of trade waste; and
- To conform with the National Water Quality Management Strategy Guidelines for Sewerage Systems, Acceptance of Trade Wastes (Industrial Wastes), Agriculture and Resource Management Council of Australia and New Zealand and Australian and New Zealand Environment and Conservation Council, November 1994.

Persons who require approval to discharge trade waste

A person must not discharge trade waste into McKinlay Shire Council's sewerage network without written consent from McKinlay Shire Council. Any person wishing to discharge trade waste to sewer must apply to McKinlay Shire Council for a trade waste approval.

A trade waste approval is the written approval from McKinlay Shire Council that states the requirements and conditions under which discharge to sewer is allowed.

Approval for the discharge of trade waste is granted in the form of a Trade Waste Permit or a Trade Waste Agreement, depending on the level of risk McKinlay Shire Council perceives the discharge poses to the health and safety of personnel or to the condition of sewerage assets.

Acceptance of any given trade waste to sewer shall always be at the discretion of McKinlay Shire Council.

3. TRADE WASTE MANAGEMENT

Trade Waste discharges will be categorised according to the risk the discharge poses to the sewerage system.

For details of how individual trade waste generators will be assessed and managed refer to the Trade Waste Management Plan.

To minimise environmental harm; It may be necessary to install equipment to treat the trade waste before it is discharged into the sewer.

For customers installing 'off the shelf' devices such as grease traps, etc. only pre-treatment products that are listed on McKinlay Shire Council's approved pre - treatment devices register may be used without written consent. Refer to McKinlay Shire Council's Trade Waste Management Plan.

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Trade Waste Policy

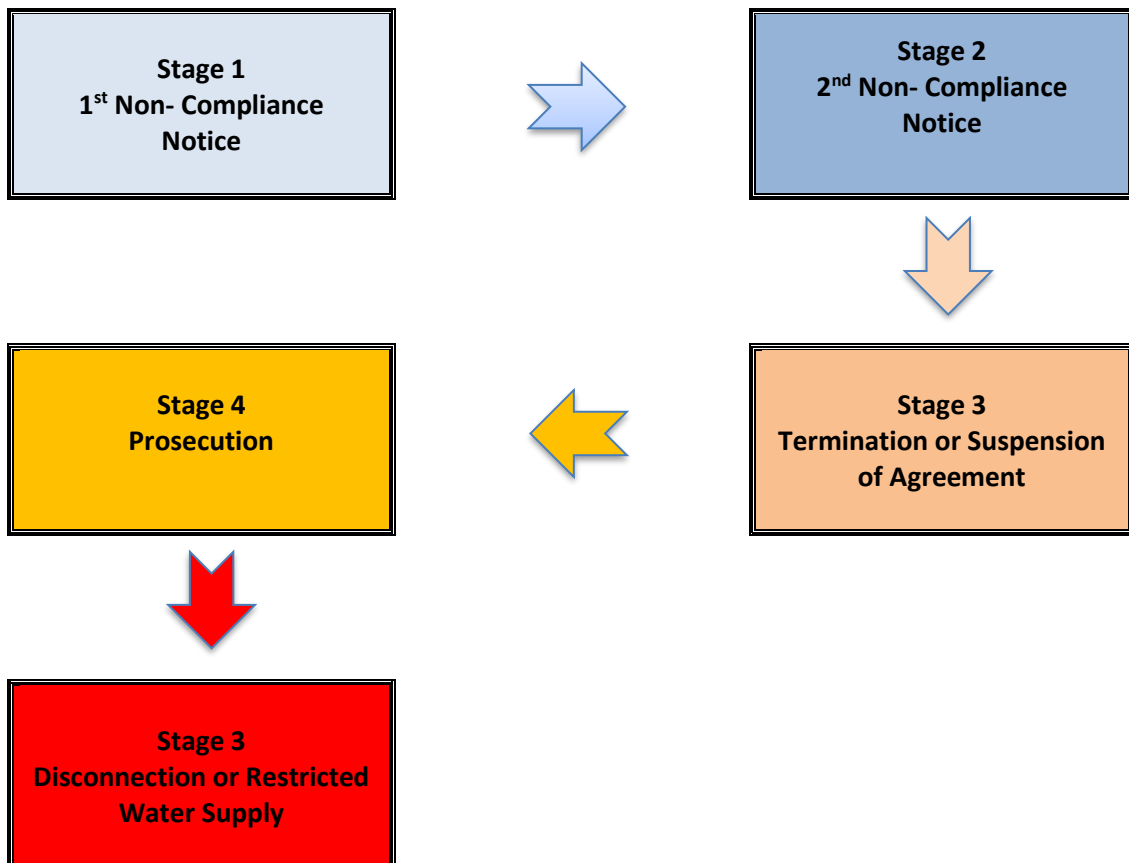
Suspension or Cancellation of Trade Waste Approval

Each of the following is a ground for the suspension or cancellation of a trade waste approval:

- The customer has contravened a condition of the approval;
- The customer has contravened a provision of the legislation (including this policy);
- The terms of the approval are no longer appropriate because the circumstances under which wastes are generated by the holder of the approval have significantly changed since the approval was given;
- Urgent action is necessary in the interests of public health or safety to prevent environmental harm or prevent damage to McKinlay Shire Council's sewerage system; and
- Where applicable, trade waste will be suspended or cancelled in accordance with the relevant legislation.

Penalties and Enforcement

A trade waste customer who is found to be non-compliant with their trade waste approval will be managed in accordance with the Trade Waste Enforcement Procedure by way of a 5- stage process.



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Trade Waste Policy

Trade Waste Charges and Fees

Trade waste charges and fees will be levied in accordance with McKinlay Shire Council's Schedule of Fees and Charges. The calculation of these fees is based on the pricing principle of 'user pays' and aims to recover the full costs of treating and disposing of trade waste.

4. POLICY SCOPE

This Trade Waste Policy is intended to provide information about McKinlay Shire Council's trade waste management approach to:

- Any person (trade waste generator) intending to discharge a trade waste into McKinlay Shire Council's sewerage network.
- An owner of a premises where trade waste is being discharged into McKinlay Shire Council's sewerage network.
- Environmental regulators of McKinlay Shire Council's systems.
- McKinlay Shire Council staff; and
- Liquid waste carriers who discharge waste to McKinlay Shire Council's sewerage system.

5. RELEVANT LEGISLATION

- *Local Government Act 2009*
- *Local Government Regulation 2012*
- *Water Act 2000*
- *The Sewerage Code of Australia*
- *Plumbing and Drainage Act 2018*
- *Plumbing and Drainage Regulation 2019*
- *Public Health Act 2005*
- *Work Health and Safety Act 2011*
- *Work Health and Safety Regulation 2011*
- *Environmental Protection Act 1994*

6. GENERAL REQUIREMENTS

Trade Waste Sizing – Grease and Oil Arrestors

The requirements described in this policy are for the purpose of setting an acceptable level of controls and guidelines that are applicable for the McKinlay Shire Councils Sewer Network and its Treatment process.

This policy will apply to all new or replacement grease and oil arrestors installed and connection to the McKinlay Shire's sewerage system after 11th of December 2019.

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Trade Waste Policy

Requirements

For new or replacement grease and oil arrestors the minimum size is **1000L** and the maximum size is **5000L**.

Where constraints exist, McKinlay Shire Council may, at its sole discretion, provide written consent to modify the arrestor sizing if a request and justification is made in writing by a qualified hydraulic consultant or other suitably qualified person representing the applicant.

- Grease and oil arrestors must be sized to provide a minimum of one-hour retention at peak hourly trade waste flow.
- The peak hourly trade waste flow should be calculated using the total of the guideline flows attributable to each trade waste generating fixture (see over page).
- Alternative peak hourly flow estimates may be accepted where a qualified hydraulic engineer attests to the peak flow and design (thereby providing a performance guarantee for the system design and taking responsibility for any failure to meet sewer acceptance criteria).
- Where tenancy occupiers are unknown (i.e. new set of shops), the minimum grease arrestor sizing requirements are as follows:
 - Minimum grease arrestor capacity allocation for the 1st connected tenancy is **1000L**, and
 - Minimum grease arrestor capacity allocation for each additional tenancy shown as connected to trade waste is **500L**, unless the applicant provides documentation with submitted hydraulic plans justifying an alternative pre-treatment allowance.

Existing non-compliant grease and oil arrestors need not be replaced retrospectively, except where (at our discretion) the system is causing a Negative impact on Council's Sewerage Network.

Correct arrestor sizing based on peak hourly flow

McKinlay Shire Council's method of sizing allows a minimum of one-hour detention within the arrestor based on estimated peak hourly trade waste flows.

To estimate the peak hourly trade waste flow within a trade waste generating area, sum the peak hourly flow allowances (from the table below) for all fixtures draining from the relevant area.

We will accept calculations made using this method without any additional attestation or justification by your hydraulic consultant.

FIXTURE/FITTING TYPE	PEAK HOURLY FLOW ALLOWANCE
Bain Marie - water heated	Use maximum capacity of the apparatus x 3
Bin wash	Install in-floor self-closing dry bucket arrestor trap Installation of a grease arrestor is not required
Floor waste / bucket trap / grated strip drain	50L/hr. for every 50m ² of floor area, or part thereof Add allowance for any listed connected apparatus

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Trade Waste Policy

Sealed floor waste gully	0L/hr. Add allowance for any listed connected apparatus
Cleaners' sink	30L/hr.
Dishwasher - tunnel feed*	Use manufacturer's peak flow rate per hour x 3
Dishwasher - large (>1 outlet) *	Use manufacturer's peak flow rate per hour x 3
Dishwasher – medium (upright)*	300L/hr.
Dishwasher – small (under bench) *	150L/hr.
Glass washer - tunnel feed	Use manufacturer's peak flow rate per hour x 3
Glass washing machine	150L/hr.
Grease canopy (water cleaned)	50L/hr.
Hand basin	30L/hr.
Ice cream machine soft serve	60L/hr.
Laboratory sink (commercial or research lab)	50L/hr.
Laboratory sink (educational facility)	22L/hr.
Noodle cooker	100L/hr.
Potato peeler (large commercial application)	Use manufacturer's peak flow rate per hour x 3
Potato peeler (small kitchen application)	100L/hr.
Rotisserie rack	100L/hr.
Steamer Roast Oven / Combi Oven	1000L + 40 L/hour per rack. 3000L grease arrestor minimum size for high use Combi ovens (i.e. supermarkets, fast food chains)
Electric or gas /steamer cooker / kettle	200L/hr.
Sink - utility / pot per outlet connected separately to drain (greater than 300mm)	300L/hr.
Sink – single bowl (depth up to and including 300mm)	150L/hr.
Sink – double bowl (depth up to and including 300mm fixture pair connection)	300L/hr.
Trough up to 4 taps	40L/hr.
Trough greater than 4 taps	Refer to trade waste section for advice
Tundish- condensate (refrigerator / freezer condensate)	3L/hr.
Tundish- other (except refrigerator condensate)	10L/hr. Add allowance for any listed connected apparatus
Wok burner –dry	30L/hr. per water arm
Wok burner –wet	Use manufacturer's peak flow rate per hour x 3

Example calculation

The following table describes a trade waste generating area with typical fixtures draining to a grease arrestor:

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Trade Waste Policy

Example Information Schedule (required on hydraulic plans with grease or oil arrestors)

Arrestor No.	Tenancy	Business Type	Fixtures	Qty	Peak Hourly Trade Waste Flow (L/hr.) ¹	Arrestor Capacity (L) ²
BW2635	1	Takeaway	Floor waste (50m ²)	1	50	
			Hand basin Double	1	30	
			bowl sink Cleaner's	2	600	
			sink	1	30	
			Total		710	1000

Notes about example:

1. Peak hourly flows are obtained from this guideline.
2. Total of peak hourly flows for fixtures is 710L/hour, but minimum arrestor capacity is 1000L.
3. When using this McKinlay Shire Council Utilities endorsed method, it is not necessary to make any additional allowances.

The use of Standard Trade Waste Fractions by ANZSIC Code is not an applicable method for sizing of arrestor system within the MSC as water usage is not currently recorded on a user pays system.

Maintenance requirements

Grease and oil arrestor maintenance conditions are written into the trade waste approvals/ agreements as they are required.

In general, Council applies the following pre-treatment maintenance requirements for arrestors:

The unit must be adequately sized, the grease and oil arrestors must be serviced to meet the manufacturer's recommendations or as described below:

Grease arrestors:

- At least once every 13 weeks unless otherwise specified within your trade waste approval.

Oil-silt arrestors:

- Triple interceptor types - at least once every 12 months unless otherwise specified in your trade waste approval.
- Plate separator types – at the frequency specified by the manufacturer (as a minimum) unless otherwise specified in your trade waste approval.
- Oil-silt water separation systems must be visually inspected on a routine basis for system leaks and trade waste effluent quality. There must be no free-floating mineral oil or hydrocarbon product discharged to sewer. Any free-floating debris in the system must be manually removed on a routine basis and disposed of in accordance with legislative requirements.

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Trade Waste Policy

More frequent servicing may be a condition of the Trade Waste Approval and If you have a pre-existing arrestor with a treatment capacity less than 550 litres, you may be required to:

- have the unit serviced at an increased frequency (determined by us on a site by site basis and recorded on the trade waste approval);
- have a dry basket arrestor (strainer) with a fixed screen or an automatic closing mechanism that prevents discharge to sewer when the basket/strainer is removed, installed in all connected sink and floor drains.

Responsibility for maintenance

- As a trade waste approval holder, you must undertake maintenance and keep records on your grease and oil arrestor in line with your trade waste approval's conditions.

Pre-treatment Infrastructure in multiple tenancies

Where a commercial property is divided into multiple tenancies (such as a premises with separate areas used as individual tenancies), the trade waste approval is issued to the property owner. The person responsible for maintaining grease and oil arrestors used or shared by the tenancies is the property owner.

We will send non-compliance notices for inadequate servicing to the approval holder.

Pre-treatment infrastructure in a Community Title Scheme (CTS)

Within a CTS, the trade waste approval is issued to the owner of the lot upon which the trade waste is generated. The lot owner, as the approval holder, is responsible for maintaining grease and oil arrestors on their lot.

The person responsible for maintaining grease and oil arrestors located within CTS common property is determined by the origin of the trade waste:

- 1) Where the trade waste originates from a lot (other than common property) the lot owner holds the approval and is responsible for maintenance of the arrestor to which the owner's waste discharges. This may require the approval holder to broker maintenance arrangements with the body corporate or other lot owners (in the case of shared infrastructure) but responsibility remains with the approval holder.
- 2) Where the trade waste originates from the common property (e.g. for a bin wash or cooling tower) the body corporate identified on the community management statement for the CTS will hold the trade waste approval and is responsible for maintenance of the arrestor to which the waste discharges.

In all cases, Council will send non-compliance notices for inadequate servicing of pre-treatment infrastructure located within a CTS lot to the approval holder.

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Trade Waste Policy

Important notes

- 1) Grease, fat, mineral oil, hydrocarbon products, residual wastes and regulated wastes that are removed from grease and oil arrestors must not be discharged into Council's Sewerage Network.
- 2) The use of authorised trade waste additives, such as bacterial cultures and enzymes, in grease traps and sewer pipes cannot be used as a **substitute** for **regular maintenance**.
- 3) Arrestors under this form of treatment **must** continue to be regularly serviced by the complete evacuation method at a frequency determined by negotiation.
- 4) If failure to maintain your arrestor causes interference to Council's Sewerage Network (e.g. sewer blockage or odour) or causes a public health risk, you may be subject to enforcement action and possible cost recovery claims.

Onsite Sewerage Treatment Facilities

Council's has responsibility under its governing Legislation, via Act's, Regulations and authorities to undertake actions for the benefit of the public and the members of this community.

Council is the responsible body for the receipt of On-Site Sewerage Treatment installation and modification applications, the assessment on sizing, suitability, and disposal systems being planned or utilised.

Council as the regulatory authority for these types of Treatment Systems Council requires full disclosure of the trade waste components of the installation or modification to the on-site system. Any installation or modification to a On-Site Sewerage or Grey Water Treatment System must be registered with Council and the works must be undertaken by a Qualified and Licenced person or contractor holding the correct endorsements for the works.

In general the Council will utilise the option for self-monitoring of the operational performance of a On-Site system.

The requirements and volumes and the (parameters to be monitored) can be part of the systems approve and assessment.

Self-monitoring requirements:

Self-monitoring is the sampling and analysis of nominated parameters within the trade waste discharge of a premises by the trade waste producer.

Self-monitoring programs are the responsibility of trade waste producer and conformance to the codes and standards is the owner of the arrestor responsibility.

The trade waste risk classification for the premises will be determined using the risk assessment methods described in the Trade Waste Environmental Management Plan. The higher the risk the more self-monitoring is required.

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Trade Waste Policy

7. RESPONSIBILITY

The McKinlay Shire Council is responsible for the adoption, amendment and repeal of this Policy, and the Chief Executive Officer and his delegates is responsible for the development and amendment of any associated procedures and guidelines relevant to the Policy.

8. REVIEW

It is the responsibility of the Director of Engineering Environment & Regulatory Services to monitor the adequacy of this policy and recommend appropriate changes.

This policy will be formally reviewed every three years or as required by Council.

This Policy is to remain in force until otherwise amended/repealed by resolution of Council.