

Liquid Hauled Waste Trade Waste Guideline No. 23

INTRODUCTION

SA Water will accept discharges of certain material (liquid hauled waste) carried by liquid waste contractors (businesses holding an appropriate EPA Waste Transporter License) and delivered directly to the Septic Tank Waste Disposal Stations (STWDS) at some of our wastewater treatment plants (WWTP's). This enables us to accept material from locations not connected to our network of sewers, and some material that would otherwise not be acceptable for discharge to sewer.

This arrangement complements facilities operated by other businesses that can effectively manage liquid wastes that are not amenable to SA Water's wastewater treatment processes. Acceptance by us of material is restricted, to ensure that;

- The type and quantity of contaminants in the material can be safely and effectively treated at our WWTP's, and
- The reuse potential of treatment end products and regulatory compliance with our environmental license conditions are not compromised.

A system of Permits for Liquid Waste Haulers helps us administer acceptance of material. In addition, businesses generating a specific class of hauled wastes must hold a Liquid Hauled Waste Acceptance Permit issued by us.

A schedule of fees (based on the nature of the liquid hauled waste) applies.

DEFINITIONS

For the purpose of this guideline "liquid hauled waste" refers to domestic septic wastes and liquid wastes outside the scope of "trade waste", which meet acceptable quality criteria. Examples of activities with potential for generating liquid hauled waste" include;

- Septic tank and grey water disposal
- Transportation industry (shipping, rail, buses)
- Building sites, public events (portable toilets)
- Construction site dewatering (saline groundwater)
- Wineries and other businesses located outside of SA Water's sewer drainage areas.

"Liquid hauled waste" does not include wastewater and trade waste that can be discharged to sewer in the normal way, or any liquid wastes that do not meet acceptable quality criteria. Those liquid wastes require alternative treatment or disposal methods.

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Further information
(08) 7424 1336

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KEY ACCEPTABLE QUALITY CRITERIA

PARAMETER	GENERALLY ACCEPTED LEVEL
Suspended Solids	Dependant on receiving WWTP capacity
Total Dissolved Solids	Dependant on receiving WWTP capacity
Biochemical Oxygen Demand	Dependant on receiving WWTP capacity
pH	Between 7 and 10 units
Heavy Metals (eg: Cd, Cu, Cr, Ni, Pb)	See ' Standards of Acceptance of Liquid Waste to Sewer '
Pesticides	Assessed for individual components

Note: We may vary discharge limits under certain circumstances for individual dischargers or discharge events.

LIQUID HAULED WASTE CATEGORIES

For administration and charging purposes, liquid hauled wastes are divided into three categories;

- Domestic septic tank sludge;
- Domestic septic tank effluent/portable toilet contents;
- Liquid waste from any business complying with the conditions set out in its Liquid Hauled Waste Acceptance Agreement with SA Water Corporation.

LIQUID WASTE HAULER PERMITS

Only those liquid waste contractors holding a valid Liquid Waste Hauler Permit (hauler permit) may discharge material to SA Water's STWDS. Permits are available by completing a [liquid waste hauler permit application form](#) and submitting it to SA Water Corporation's Trade Waste Branch.

We will issue a hauler permit for the categories of liquid hauled waste requested in the application (consistent with the appropriate EPA Waste Transporter License held by the applicant).

Along with the hauler permit, we will issue one or more swipe cards (depending on the number of vehicles), which are used to gain access to the three metro WWTP's and activate electronic STWDS (where provided).

Permit approval and issue of swipe cards is free of charge. However, we will charge a fee for each replacement card, if the original is lost or damaged.

A hauler permit gives the holder access to SA Water's designated STWDS. Permit holders must comply with all directions from an authorised SA Water officer while on site.

LIQUID HAULED WASTE GENERATOR PERMITS

Because of the varying nature of liquid wastes derived from business activities, individual conditions of acceptance and controls are required for this category. Intending generators of this material must first seek a Liquid Hauled Waste Acceptance Permit (generator permit) is made by completing the [trade waste discharge application form](#).

The general procedure for dealing with commercial and industrial hauled wastes is similar to SA Water's batch treatment protocols, as set out in our [Batch Treatment Guideline](#). Material might require pre-treatment on-site. Each acceptance permit specifies quality and quantity limits that the generator must comply with, for each batch of liquid waste that is to be hauled off site for discharge to an SA Water STWDS. Batches are sampled and analysed as necessary, to confirm they meet acceptable quality criteria before transport off-site.

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HOW THE SYSTEM WORKS

Prior notification is not required for discharges of domestic septic tank wastes or portable toilet contents at WWTP's with electronic STWDS. However, arrangements will be necessary with the operator of the receiving WWTP, where an electronic STWDS is not available.

We require prior notification for all batches of wastewater from businesses having an acceptance permit. Prior analysis of batch quality is normally required. Depending on batch quality and size, we may specify which STWDS must be used and restrict the rate of discharge. The holder of the generator permit then consigns the batch to a Liquid Waste Hauler for transport to the STWDS and fits a tamper-proof seal to the tanker.

Electronic receiving stations are in place at Bolivar, Christies Beach and some regional WWTP's. At these facilities, the liquid waste hauler selects the category of material to be discharged, removes the tamper proof seal (if fitted) and places it in the nearby records box, before discharging it via a 3-inch Camlock fitting. Sensors downstream will measure discharge quality and volume and a sample is automatically taken for possible laboratory analysis. If the discharge is not within acceptance limits, a valve closes, preventing further discharge. In such instances, the material must be returned to the generator, pre-treated to achieve acceptable quality or transported to a licensed liquid waste contractor depot for treatment or disposal.

Where an electronic STWDS is not in place, discharge is performed manually, as directed by the WWTP operator. The nature and volume of each discharge, along with the discharger's particulars are recorded and places in the nearby records box or given to the plant operator. The plant operator may choose to measure discharge quality or collect a sample of discharge for laboratory analysis.

Individual Liquid Waste Hauler Permits or Liquid Hauled Waste Generator Permits may be revoked if it is established that inappropriate material is discharged.

ADMINISTRATION OF CHARGES

Specific charges apply for each category of liquid hauled waste. They reflect our costs for treating this material. Current [charges](#) are available on SA Water's Web site, or by phoning us on (08)7424 1336.

Domestic septic tank sludges and domestic septic tank effluent/portable toilet contents are assumed to be of consistent quality. SA Water will bill the waste hauler for accepting this material. The waste hauler then recovers this cost along with the cost of providing the collection/transport/delivery service from individual customer(s).

The quality of liquid wastes from businesses having a generator permit varies from one batch to the next. SA Water will bill the business generating this material, based on the laboratory analysis of contaminant concentrations. The waste hauler recovers only the cost of providing the collection/transport/delivery service to that customer.

SA Water conducts random sampling of discharges to confirm that the material is as described and is not harmful to our processes and treatment products. These sampling and analysis costs have been factored into the pricing structure and will not incur a separate charge.

ADDITIONAL INFORMATION

[Trade Waste Batch Treatment Guideline No.17](#), [Standards of Acceptance of Liquid Waste to Sewer](#).

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