

Batch Treatment

Trade Waste Guideline No. 17

INTRODUCTION

The limitations of 'fail safe' monitors and difficulties in checking every treated batch means that this form of disposal is not permissible in all situations. Our responsibility must always be the protection of the sewerage system, its workers and the environment. Therefore, permitting batch pre-treatment of waste waters before discharge to sewer will be considered on a case by case basis. Permission will be revoked if discharges are identified to be outside the Corporation's [Standards of Acceptance of Liquid Waste to Sewer](#).

DEFINITIONS

Batch treatment describes the process of rendering a discrete volume of waste water acceptable for sewer discharge. This Guideline is applicable to waste waters that are generated and treated at the same site. It excludes operations that treat wastes from other sources.

MINIMUM REQUIREMENTS

All operators shall submit a batch treatment plan for approval by the Trade Waste Branch.

The plan shall encompass the following points:

- The nature of the waste water(s) to be treated, pollutant type and concentration, presence of any interfering agents which may inhibit treatment or analysis.
- The maximum quantity of waste water which can be treated in each batch.
- The method to be used in treating pollutants.
- Appropriate checks and safeguards to ensure correct treatment/discharge quality.
- Details of the equipment to be used in the batch treatment process.
- Removal and subsequent handling of any unacceptable portion(s).
- Backflow protection measures, if mains water is to be used.
- Each batch treatment plan is limited to a particular type of waste water or group of mutually treatable waste waters. Operators with a variety of these will need to submit a number of batch treatment plans.

EQUIPMENT

- All chemical containers, batch treatment tanks and equipment shall be located in a bunded compound.
- Where the treatment method involves separation and removal of pollutants, equipment design shall allow effective removal or isolation of these before discharge of the acceptable portion to sewer.
- Equipment shall have the facility to enable a sample of final effluent to be taken for confirmation of waste water quality.

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BATCH TREATMENT AND DISCHARGE OPERATION

- Once a [Trade Waste Discharge Application](#) is received and a Discharge Permit is issued by the Trade Waste Branch, batch treatment may commence. Notification by telephone, or forwarding of a completed [Batch Treated Notification Form](#) by email or fax is required, **giving at least 24 hour's notice prior to each proposed batch discharge.**
- The following records are required:
 - the type of waste water treated
 - the volume treated
 - the treatment method used
 - the results from analysis of treated waste water
 - the date and time of proposed discharge.
- The records for each batch shall be signed by the person from the company who is responsible for discharge quality and made available to Trade Waste Officers upon request.
- Initially, a Trade Waste Officer will test **all** treated batches, to ensure compliance with acceptance standards before release. Testing will continue during this probationary period until the officer is confident that future treatment will reliably produce waste water discharges of acceptable quality.
- Random testing of batches will be undertaken by Trade Waste officers to assess ongoing compliance with discharge permit conditions.
- Waste waters unsuitable for discharge to sewer shall be either removed from site by a licensed liquid waste removal contractor or re-treated on site to comply.

FEES AND CHARGES

- SA Water will charge a compliance audit fee for attending a site to determine suitability of a batch for disposal to sewer.
- The cost of laboratory analysis (where required) will be charged to the Permit holder.

ADDITIONAL INFORMATION

Mains Water Protection (ASNZS3500 – 2003 Part 1), [Trade Waste General Policy](#), [Trade Waste Blind Tank Guideline No.3](#), [Trade Waste Bunding Guideline No.4](#),

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