

7. LAUNDRY OR LAUNDROMAT (COIN OPERATED) WASTE

Preface

Liquid waste generated by industry, small business and commercial enterprises is referred to as trade waste. The Water Supply (Safety & Reliability) Act 2008 prohibits the unauthorised discharge of wastes, other than domestic sewage, into the sewerage system.

1. The definition of trade waste is;
 - *The waterborne waste from business, trade or manufacturing property, other than:*
 - *Waste that is a prohibited substance; or*
 - *Human waste; or*
 - *Stormwater.*
2. The definition of Domestic waste is;
 - *Faecal matter and urine of human origin and liquid household wastes from water closet pans, sinks, baths, basins and similar fixtures designed for use in private dwellings*

General

Laundry activities are limited to those for public use, including a laundromat with coin-operated machines or a laundry. They do not include commercial or industrial laundries with high waste discharge volumes.

The waste from any dry cleaning area is not allowed into the sewer system.

Pre-treatment requirements

Lint screens are to be provided (washing machine internal screens are acceptable).

A cooling pit is required to be installed where a trade waste discharge is likely to exceed 38°C,

The applicant must also submit the consultant's or supplier's calculations regarding the capacity of the cooling pit.

A cooling pit may not be required if cold water only is used for washing or a device reducing the temperature of hot water is installed.

The size of the pit should be sufficient to allow the temperature to drop and can be determined by the following formula:

$$V = V_H + V_H \times F \quad F = (T_H - T_A) / (T_A - T_C)$$

Where,

V = the minimum volume of the pit below the water level



V_H = estimated maximum volume of hot water discharged at one time

F = the estimated factor

T_H = maximum temperature of hot water discharged into the pit

T_C = assumed temperature of cold water in the pit, say 20°C

T_A = temperature of waste allowed into the sewer, e.g. 38°C.

Other Issues

The pH of the liquid trade waste must be maintained within the range of 6.0 to 10.0 at all times. The pH must be adjusted, if necessary, before being discharged to the sewerage system.