

Animal Shelters

Trade Waste Guideline No. 37

INTRODUCTION

Trade waste discharges from Animal Shelters have the potential to adversely affect the sewerage system. There are four main areas of concern in regard to the disposal of waste originating from Animal Shelters. These include hair, fur, urine and faeces. For this purpose 'Animal Shelter' refers to any business or enterprise or part thereof which undertakes the temporary or long-term accommodation of animals including, but not limited to:

- Large veterinary clinics
- Animal hospitals
- Animal racing tracks and showgrounds
- Animal holding bays
- Zoological cages/pens
- Boarding kennels

KEY TRADE WASTE QUALITY REQUIREMENTS

PARAMETER	GENERALLY ACCEPTED LEVEL
Suspended Solids	<500 mg/L average
Total Dissolved Solids	<1500mg/L
pH	Between 6-10 units
Flow rate to sewer	Dependant on capacity of receiving sewer

Note: Discharge limits may be varied under certain circumstances for individual dischargers.

TYPICAL PRETREATMENT

- Disinfectant solution used to sterilise floors and equipment neutralised if needed.
- All solids (faeces, straw, hair, bones, fur, bedding etc) are collected prior to wash down of any animal enclosure and disposed of via a solid waste/manure bin.
- Solid waste/manure bins are designed or located so as to exclude stormwater/rainwater.
- Waste waters containing any remaining hair/fur or gross solids are discharged via a 225mm silt trap fitted with a mesh basket or holed bucket (3mm holes/mesh) or other approved screening device.
- Where the suspended solids (after screening) are likely to be in excess of SA Water limits a suitably sized and approved settling pit is installed prior to discharge to sewer.
- All wash down areas incorporate the following;
 - Floors constructed of impervious material, with a minimum 1:80 gradient to drain point.
 - Bunding to exclude stormwater runoff and contain wash waters.
 - All banded areas are roofed to exclude rainwater from sewer. Walls may be employed, but where sides are left open, a minimum roof overhang of 1 metre for every 3 metres of height is required.
- Disposal of chemicals is in accordance with [Trade Wastes Laboratory Chemicals Disposal Guideline No. 21.](#)
- Waste waters and process liquors/solutions not permitted to the sewer are stored in approved containers and/or blind tanks in accordance with [Trade Waste Blind Tank Guideline No. 3.](#)

ADDITIONAL INFORMATION

Mains Water Protection (AS/NZS3500-2003 Part 1), [Trade Waste Bunding Guideline No.4](#), [Trade Waste Photographic Guideline No.1](#), [Trade Waste Veterinary Clinic Guideline No.24](#), and [Standards of Acceptance of Liquid Waste to Sewer.](#)

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