

## Boilers

### Trade Waste Guideline No. 28

#### INTRODUCTION

Trade waste discharges from companies with boilers have the potential to adversely affect the sewerage system. Appropriate management practices at each site are therefore necessary. This policy outlines the areas of concern and available technologies for the control of trade wastes.

#### KEY TRADE WASTE QUALITY REQUIREMENTS

PARAMETER	GENERALLY ACCEPTED LEVEL
pH	Between 6-12 units
Temperature	<38°C
Total Dissolved Solids	<3,500mg/L
Flow rate to sewer	Dependant on capacity of receiving sewer

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

#### TYPICAL PRETREATMENT

- Boiler blowdown and bleed off cooled below 38°C via a suitably sized blowdown cooling vessel, which is connected to sewer via a gully trap. Alternatively heat exchange systems can be used.  
*NOTE: PVC pipes are not suitable for temperatures above 65°C.*
- Boiler water treatment chemicals are stored within impervious bunded and roofed areas, to prevent leaks and spillages from accessing the sewer system.
- Mains water supply to the Boiler Header Tank is protected from backflow or cross connection in accordance AS/NZS3500 – 2003 Part 1.

#### ADDITIONAL INFORMATION

Mains water Backflow Protection (AS/NZS3500 – 2003 Part 1), [Trade Waste General Policy](#), [Trade Waste Bunding Guideline No.4](#), [Standards of Acceptance of Liquid Waste to Sewer](#).

Reviewed January 2011

Further information  
(08) 7424 1336

[www.sawater.com.au](http://www.sawater.com.au)  
[tradewastebbranch@sawater.com.au](mailto:tradewastebbranch@sawater.com.au)