

## Paint Manufacturing Trade Waste Guideline No. 15

### INTRODUCTION

Trade waste discharges from companies manufacturing Paint have the potential to adversely affect the sewerage system. The waste waters from paint manufacturing activities may contain suspended solids, heavy metals, stable emulsions, dyes, acids, alkalis and organic solvents. Appropriate management practices at each site are therefore necessary.

For the purpose of this Guideline 'paint manufacturing' refers to any process where coloured or clear aqueous or organic solvent-based emulsions are produced for sale as paints or sealants.

### KEY TRADE WASTE QUALITY REQUIREMENTS

PARAMETER	GENERALLY ACCEPTED LEVEL
Suspended Solids	<500mg/L average
Biological Oxygen Demand	<1000mg/L
Total Dissolved Solids	<1500mg/L
Grease/ Oil	<100mg/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.*

### BEST PRACTICE MANAGEMENT ASPECTS

- Waste minimisation measures and practices are incorporated to reduce waste water loadings on the sewerage system.
- Dry clean/scrape containers and areas to remove coarse solids before wash down.

### TYPICAL PRETREATMENT

- Only treated aqueous wash waters from the paint manufacturing process are discharged to sewer.
- Waste waters are pH adjusted (if required) and treated with an appropriate flocculating agent and detained in a settling tank of appropriate size or similar separation device, before discharge to sewer.
- Those liquid wastes (including organic solvents used in washing) or sludge not permitted to be discharged to the sewer are contained in an approved blind tank and disposed of by a licensed liquid waste contractor. See the [Trade Waste Blind Tank Guideline No. 3](#).
- All chemical/solvent stores, process and waste water tanks are bunded in accordance with [Trade Waste Bunding Guideline No. 4](#).

### ADDITIONAL PRETREATMENT

- Dewatering/ drying of sludges

### ADDITIONAL INFORMATION

Mains Water Protection (AS/NZS3500-2003 Part 1), , [Trade Waste Batch Treatment Guideline No.17](#), [Trade Waste General Policy](#), [Standards of Acceptance of Liquid Waste to Sewer](#).

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