

Supplement 10 Large or Complex Industries



This is an attachment to the Trade Waste Application. Please provide the following information about your business operations (or intended operations). This will help us to verify appropriate waste treatment and charging.

Business trading name _____

Process chemicals

List all chemicals (eg sodium hydroxide) and commercial formulations (eg Nalco 7326) used in each process, including those used in cleaning routines.

This information may be found by contacting chemical or other suppliers, by taking measurements, obtaining samples of your waste and arranging for them to be analysed, or obtaining other information.

Chemical or formulation name	Strength (eg. 10 grams per litre)	Supplier	Daily quantity used (eg. 5 litres per day)

- **Attach** further details if there is insufficient space in this table.
- **Attach** Material Safety Data Sheets (MSDS) or other documents for each commercial formulation used in significant quantities showing the composition of the formulation.
- Material Safety Data Sheets (**MSDS**) or other documents are available from the manufacturer or supplier.

Radioactive Material

Do you use, or do you intend to use, any radioactive material? Yes No
If yes, give details

If radioactive material is used, approval must be obtained from the Radiological Council of WA before this Application can be assessed by the Water Corporation.

Pre-treatment Details

For each waste stream, describe the pre-treatment proposed to ensure compliance with the Water Corporation's Trade Waste Acceptance Criteria, which are available at www.watercorporation.com.au.

- **Attach** details, including a schematic diagram and process flow diagrams of any existing or proposed facilities for the treatment of industrial waste prior to discharge.

If liquid waste is removed from the premises by other than discharge to sewer (for example tankering), describe the type, volume and frequency of waste removed, the method of removal and the ultimate destination.

Final Discharge Characteristics

Maximum rate of discharge to sewer _____ litres per second

Discharge volume to sewer _____ kilolitres per day, or
 _____ kilolitres per week

Hours of day during which discharge will take place from _____ to _____

Is the discharge continuous or semi-continuous during this period, or does it occur in discrete batches? If a batch discharge, what is the volume of batches and at what times are they discharged?

When is the period of peak discharge each day? from _____ to _____

Temperature range of discharge from _____ to _____ °C

pH range of discharge from _____ to _____

Is any unpolluted water (eg. condensate or defrost water) discharged to sewer or to storm water?

Sewer

Storm water

If **to sewer** provide details of source and volume

Indicate if any of the substances listed below may be present in the waste discharged into the sewer, and the expected concentration if known.

Add any additional substances present in the waste which are not listed in the table below.

Substance	Present?	Concentration (mg per litre)
Biochemical oxygen demand		
Suspended solids		
Nitrogen forms (specify)		
Phosphorus		

Substance	Present?	Concentration (mg per litre)
Oil and grease (animal or vegetable origin)		
Petroleum hydrocarbons		
Heavy metals* (specify)		
Pesticides (specify)		
Pharmaceuticals (specify)		
Chelating agents** (specify)		
Nitrosamines*** (specify)		
Other organic compounds (specify)		
Chlorine		
Bromine		
Iodine		
Cyanide		
Dissolved salts (specify)		
Boron		
Fluoride		
Chloride		
Bromide		
Iodide		
Sulphate		
Aluminium		
Iron		
Manganese		
Calcium		

* Heavy metals include but are not limited to antimony, arsenic, barium, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, selenium, silver, strontium and zinc.

** Chelating agents include but are not limited to EDTA (ethylenediamine tetraacetic acid), DTPA (diethylenetriaminepentaacetic acid) and PDTA (1, 3-propylenediaminetetraacetic acid).

*** Nitrosamines include but are not limited to NDMA (N-nitrosodimethylamine), NDEA (N-nitrosodiethylamine) and NMOR (N-nitrosomorpholine).