

## Supplement 4

# Commercial Swimming Pools and Spas

## - Aquatic Facilities (Including hydrotherapy and pools for animal use)

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 verify trade waste requirements applicable to your business.

**Business Trading Name** \_\_\_\_\_

### Process Details

<b>1. What type of filter will you be using?</b>	Sand <input type="checkbox"/> Cartridge <input type="checkbox"/> Other <input type="checkbox"/> _____
<b>2. Dimension of aquatic facility in metres?</b> (List each pool and or spa) L: Length; W: Width; D: Depth	• L=_____ W=_____ D=_____ • L=_____ W=_____ D=_____ • L=_____ W=_____ D=_____
<b>3. Total volume of aquatic facility?</b> 3.1. Is there a sub-water meter installed? 3.2. Is there a magnetic flow meter installed? 3.3. For all meters, provide; (1) Meter number (2) Meter location	_____ kilolitres Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> _____ _____
<b>4. Rate of discharge of backwash?</b>	_____ litres per second
<b>5. Backwash frequency and duration?</b> 5.1. Is there a back-wash water holding tank? 5.2. If yes, what is the capacity? 5.3. If cartridge filters are used, is the location where they are cleaned connected to sewer?	_____ times per week _____ duration in minutes Yes <input type="checkbox"/> No <input type="checkbox"/> (Refer: Important Notes 6 & 7) _____ Litres Yes <input type="checkbox"/> No <input type="checkbox"/> (Refer: Important Notes 2 & 4)
<b>6. Are any in-line water quality analysers installed at the aquatic facility?</b> 6.1. Number of analyser units installed 6.2. Do any installed in-line analysers discharge to sewer? 6.3. If yes, provide the flow rate of discharge to sewer <b>per analyser</b> ?	Yes <input type="checkbox"/> No <input type="checkbox"/> _____ Yes <input type="checkbox"/> No <input type="checkbox"/> _____ litres per second
<b>7. Is there a Balance tank (settling pit)?</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> Capacity: _____ Litres

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8. Is the aquatic facility drained for maintenance?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.1. If yes, how many times?		_____ per annum/years (Refer: Important Notes 6 & 9)	
9. Total volume of proposed discharge including backwash (use calculation below)			
<b>A</b>	Total aquatic facility volume drained to sewer?	$c ( \quad ) \times d ( \quad ) =$ c - Pool volume in kilolitres d - Number of times drained per annum	_____ kilolitres/pa
<b>B</b>	Total annual backwash volume discharged to sewer?	$e ( \quad ) \times f ( \quad ) \times g ( \quad ) \times h ( \quad ) \times 0.06$ e - Backwash rate in litres/sec f - backwash duration in minutes g - times per week h - weeks per year	_____ kilolitres/pa
<b>C</b>	Total annual in-line analysers volume discharged to sewer?	$n ( \quad ) \times v ( \quad ) \times 3600 \times 24 \times 365$ n - number of analysers v - flow rate litres per second	_____ kilolitres/pa
Total volume discharged to sewer per annum = A + B + C =			_____ kilolitres/pa
10. Does the aquatic facility have a commercial kitchen that prepares food and is discharging to sewer?		Yes <input type="checkbox"/> No <input type="checkbox"/> Supplement 2 must also be completed.	

### Important Notes

- Aquatic Facilities as defined in *Health (Aquatic Facilities) Regulations 2007 (WA)* includes commercial swimming pools and spas, residential swimming pools and spas operated by a strata company in which there are more than 30 residential lots.
- All waste discharged to sewer must meet our acceptance criteria. Further information is available [here](#), or search 'acceptance criteria' on our website.
- The filtration unit type, associated pipework and the point of connection to the property sewer must be shown on the plans attached to this application.
- If cartridge filters are used, show the location on a plan where they are cleaned or serviced.
- Aquatic Facilities with wastewater discharges from other medium, including sand/diatomaceous earth filters, must discharge to a settling pit before discharging to sewer, to ensure removal of the diatomaceous earth, which can cause sewer blockages.
- If emptying the aquatic facility for cleaning or maintenance purposes, Water Corporation is required to be notified. Water Corporation will determine an appropriate controlled flow rate to the sewerage system and limit the time of discharge to low flow periods in the sewer. This type of activity should not be undertaken during wet weather periods due to restriction in sewer capacity.
- The wastewater arising from cleaning of pool surfaces by using strong detergents or acids are only permitted for discharge into the sewerage system once the Trade Waste acceptance criteria is met. Further information is available [here](#) or search 'aquatic facilities' on our website.
- Filter backwash discharge from diatomaceous/sand filters must discharge through a settleable solids arrestor.
- Discharges other than filter backwash, such as pool drainage for maintenance, need prior and separate approval.
- All chemical Safety Data Sheets (SDS) must be available on request.

**NOTE:** Please provide all required information to avoid processing delays and additional charges.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Applicants full name: \_\_\_\_\_ Position in company: \_\_\_\_\_