Liquid Trade Waste Fee and Pricing Schedule 2011/12

This document is to be read in conjunction with the Liquid Trade Waste Pricing and Management Policy

TABLE 1:LIQUID TRADE WASTE FEES AND PRICING					
Description	Fee	Category 1	Category 2	Category 3	Category 4
GENERAL					
Application Fee	$/unit	$114	$228	$1,571	$2,456
Management Fee	$/annum	$200	$291	$1,057	$1,656
Sampling	$/unit	At cost	At cost	At cost	At cost
Fixed Usage Charge – compliant	$/annum	$377	$1,284	N/A	N/A
Fixed Usage Charge – non-compliant	$/annum	$3,770	$12,840	N/A	N/A
VOLUME					
Volumetric charge	($/kL)	Included in Fixed Usage Charge		$/kL from characteris-ation	$1.0171
MASS LOAD*					
Biochemical Oxygen Demand (BOD)	$/kg	Included in Fixed Usage Charge	Included in Fixed Usage Charge	Included in Volumetric Charge	$0.6950
Total Suspended Solids (TSS)	$/kg				$0.8836
Total Kjeldahl Nitrogen (TKN)	$/kg				$1.6703
Oxidised Sulphur (OS) expressed as S	$/kg				$1.4226
Total Phosphorous (TP)	$/kg				$1.380
Sodium (Na) in restricted catchments only	$/kg				$0.2870
NON-COMPLIANCE					
Exceedance Charge** – non-compliance with acceptance criteria or deemed status criteria	$/kg or fixed	10 times Fixed Usage Charge		As calculated using Exceedance Charge Formula^	
Non-compliance – recovery of additional costs	$	At cost e.g. sampling, analysis, investigation, damaged infrastructure reinstatement or replacement and/or biosolids disposal.			
Non-charged parameters	$/unit	Calculated using Exceedance Charge Formula and charge rates from Table 2.			

Notes:

* Mass Load Charges are applied to concentrations above the domestic concentration allowance

**A maximum Exceedance Charge of $5,000 per day applies. A minimum Exceedance Charge of $500 per day applies for parameters with a risk score of 10 or greater (See Table 2)

^In some circumstances Southern Water may include alternative or additional charging parameters as specified in the Trade Waste Agreement

Exceedance Charge Formula:

$$Ec = 2C \times (Ac/Sa) \times 1.05^{(Ac-Sa)/Sa}$$

Where:

Ec = Exceedance charge rate

C = Charging rate for parameter ($/kg or $/kL)

Ac = Actual exceedance concentration (i.e. mg/L or k/L per day)

Sa= Acceptance criteria limit (ie. Mg/L or k/L per day

TABLE 2. NON-CHARGED PARAMETER RISK SCORES AND CHARGE RATES	
Substance	**Risk Score**
Acetaldehyde	11
Acetone	4
Aluminium	6
Arsenic	14
Barium	11
Boron	6
Bromine	11
Cadmium	14
Chlorinated phenolics	17
Chlorine	10
Chromium	12
Cobalt	11
Copper	11
Cyanide	14
Flouride	9
Formaldehyde	8
General Pesticides	16
Herbicides and defoliants	16
Iron	7
Lead	13
Lithium	10
Manganese	10
Mercaptans	14
Mercury	18
Methyl ethyl ketone	6
Molybdenum	6
Nickel	12
Organoarsenic compounds	16
Petroleum hydrocarbon 1 Benzene	10
Petroleum hydrocarbon 2 Toluene	10
Petroleum hydrocarbon 3 Ethylbenzene	10
Petroleum hydrocarbon 4 Xylene	10
Petroleum hydrocarbons - flammable (PH)	10
pH	10
Phenolic compounds (non-chlorinated)	14
Polnuclear aromatic hydrocarbons	11
Propionaldehyde	11
Selenium	11
Silver	11
Sulphate	4
Sulphide	11
Sulphite	7
Temperature	10
Thiosulphate	5
Tin	10
Uranium	10
Volatile halocarbons (VH)	14
Volatile hydrocarbon 1 Chloroform	14
Volatile hydrocarbon 2 Perchloroethylene	14
Volatile hydrocarbon 3 Trichloroethylene	14
Zinc	11

Risk Level	**Exceedance Charge Rate ($/unit#)**
0	-
1	0.005
2	0.010
3	0.076
4	0.131
5	0.250
6	0.696
7	1.382
8	2.297
9	3.440
10	6.945
11	13.880
12	22.905
13	34.695
14	69.466
15	138.944
16	694.734
17	1,389.522
18	2,292.668
19	6,947.178
20	13,894.345
21	694,717.297

Notes: #Units are $/kg except for pH and temperature which are $/pH unit and $/degree Celsius respectively.
Substances not listed above will be given a risk score where required.

Approved by the Board at its meeting on 11 July 2011

Signed: