







L Max.	. Level of estrogen	ic contamination in A	Australia vs Global scale	
Estrog	enic Compounds	Level of	Estrogenic Compounds (ng/L)	
		Receiving water/Surface water		
Name	Symbol	Australia	Globally	
Estrone	E1	14.5	180	
17β-estradiol	E2	7.3	175	
Estriol	E3	4	94	
17α-ethinylestradiol	EE2	4	34	
Biphenol A	BPA	560	1,096	
4-t-octylphenol	4-t-OP	483	916	
4-nonylphenol	4-NP	5,270	5,270	











scrogenic compound/accivicy	Solids extraction (ng/	L)	Liquid extraction (ng/L)	
	Mean ± SE	Range	Mean ± SE	Range
strone (E1)	1.08 ± 1.08	0-11.90	0.34 ± 0.34	0-3.74
7β estradiol (E2)	0 (<loq)< td=""><td>0</td><td>0.69 ± 0.49</td><td>0-5.12</td></loq)<>	0	0.69 ± 0.49	0-5.12
striol (E3)	0.57 ± 0.41	0-4.12	3.26 ± 1.99	0-21.01
70-Ethynylestradiol (EE2)	0 (<loq)< td=""><td>0</td><td>0.56 ± 0.56</td><td>0-6.19</td></loq)<>	0	0.56 ± 0.56	0-6.19
lisphenol A (BPA)	2.46 ± 0.97	0-9.37	61.73 ± 7.66	6.16-92.83
-n-Nonylphenol (NP)	1.63 ± 0.92	0-9	5.88 ± 2.61	0-25.26
-tert-Octylphenol (OP)	0.98 ± 0.73	0-7.78	4.95 ± 1.37	0-11.30
stradiol equivalents (EEQ)	1.05 ± 0.39	0.11-3.66	3.43 ± 0.92	0.73-8.70
rerage concentrations of selecter fluent collected from Burwood I	estrogenic compounds, me Beach wastewater treatment	easured via GCMS, and estr plant.	ogenic activity, measured via	the YES® assay, in







71.80±14.32	0.011±0.01	2.22+3.33	24.83±12.52
71.95±3.20	0.008±0.01	1.11 ± 1.11	26.12+2.79
78.89±6.19	0.011 ± 0.01	3.33±3.33	16.67±6.94
56.90±2.01	0.010 ± 0.01	10.77±4.62	31.32+6.04
0.505	0.999	0.182	0.708
	71.80±14.32 71.95±3.20 78.89±6.19 56.90±2.01 0.505	7130b1432 0.011±0.01 71 95±3.20 0.008±0.01 78395.619 0.011±0.01 5590±2.01 0.010±0.01 0.505 0.999	71380:1432 0.011:0.01 2.22:0.33 71580:3.0 0.0580:01 1.11:1.11 7689:6.09 0.011:001 3.33:3.33 5559:6.01 0.016:001 0.017:4.42 0.505 0.999 0.182









- Fine University of Newcastic, Canagnan, Austran
- > Islamic University (IU), Kushtia, Bangladesh
- > Committee personnel, 28th Annual NSW Coastal Conference



