

Date Received: 14/12/2017

Date Reported: 2/01/2018

Order No: PO-2492

Attention: David Birch

360 Water Pty Ltd
 PO Box 7075
 Redhead NSW 2290

Type of Samples: Four waste water samples identified as 'Alexander Downs: Quarterly Analysis' and as listed below. Sampled by customer. Analysed 'as received'.

Tests	In WWTP 13/12/2017 12:00 PM	Ex WWTP 13/12/2017 12:00 PM	Pond No. 1 13/12/2017 12:00 PM	Pond No. 2 13/12/2017 12:00 PM	Methods
pH	6.50	7.44	7.43	7.62	APHA 4500-H ⁺ B
Conductivity (µS/cm)	N/A	N/A	N/A	2,110	APHA 2510 B
BOD ₅	2,600	384	992	355	APHA 5210 B
Carbonaceous Biochemical Oxygen Demand (CBOD)	N/A	N/A	N/A	76	ALS: EP030C
Total Suspended Solids	3,850	503	4,220	457	APHA 2540 D
Oil and Grease	N/A	N/A	N/A	<5	APHA 5520 B
Total Kjeldahl Nitrogen (TKN)	N/A	N/A	N/A	112	APHA 4500-N _{ORG} B
Total Phosphorus	N/A	N/A	N/A	21	APHA 4500 P B/D
Nitrate & Nitrite Nitrogen (NO _x -N)	N/A	N/A	N/A	0.6	APHA 4500-NO ₃ ⁻ E
Total Nitrogen	N/A	N/A	N/A	113	Sum of TKN and NO _x -N
Ammonia as N	N/A	N/A	N/A	97	APHA 4500-NH ₃ B/C
Total Dissolved Solids	N/A	N/A	N/A	1,280	APHA 2540 C
Sodium total	N/A	N/A	N/A	252	APHA 3111 B
Calcium total	N/A	N/A	N/A	34	APHA 3111 D
Magnesium total	N/A	N/A	N/A	3.5	APHA 3111 B
SAR (Sodium Adsorption Ratio)	N/A	N/A	N/A	11	NSW.AES.074

Note: Units: Measurements in mg/L except pH, Conductivity and SAR. Analysed 'as received'.

Samples will be disposed of seven days after issue of this report unless otherwise notified. < Denotes 'less than'.

Recommended storage time for BOD5 test is 6h, regulatory is maximum 48h after sampling.

NSW.AES.074 method involves calculation of SAR (Sodium Adsorption Ratio) as per M1a method described in the Australian handbook of soil & water chemical methods 1992'. N/A Denotes 'Test not requested and not applicable'.

Carbonaceous Biochemical Oxygen Demand (CBOD) analysed by ALS Environmental Division Sydney, NATA Accreditation No. 825, Work Order ES1731846.



Dr Rama Bhat
 Approved Signatory



Dhruba Subedi
 Approved Signatory



Accredited for compliance with
 ISO/IEC 17025
 Laboratory No.11111