

Date Received: 8/03/2018

Date Reported: 21/03/2018

Order No: PO-2709

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 7/03/2018 8:00 AM	Ex WWTP 7/03/2018 8:00 AM	Pond No. 1 7/03/2018 8:00 AM	Pond No. 2 7/03/2018 8:00 AM	Methods
pH	6.70	7.58	7.48	7.28	APHA 4500-H ⁺ B
Conductivity (µS/cm)	N/A	N/A	N/A	1,230	APHA 2510 B
BOD ₅	1,040	47	265	66 *	ALS: EP030
Carbonaceous Biochemical Oxygen Demand (CBOD)	N/A	N/A	N/A	67 *	ALS: EP030C
Total Suspended Solids	1,500	367	2,910	812	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	88	APHA 4500-N _{ORG} B
Total Phosphorus	N/A	N/A	N/A	20	APHA 4500 P B/D
Nitrate & Nitrite Nitrogen (NO _x -N)	N/A	N/A	N/A	3.4	APHA 4500-NO ₃ ⁻ E
Total Nitrogen	N/A	N/A	N/A	91	Sum of TKN and NO _x -N
Ammonia as N	N/A	N/A	N/A	9.1	APHA 4500-NH ₃ B/C
Total Dissolved Solids	N/A	N/A	N/A	718	APHA 2540 C
Sodium total	N/A	N/A	N/A	198	APHA 3111 B
Calcium total	N/A	N/A	N/A	45	APHA 3111 D
Magnesium total	N/A	N/A	N/A	7.8	APHA 3111 B
SAR (Sodium Adsorption Ratio)	N/A	N/A	N/A	7.2	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'.

BOD₅ and Carbonaceous Biochemical Oxygen Demand (CBOD) analysed by ALS Environmental Division Sydney, NATA Accreditation No. 825, Work Order ES1807173 Amendment 1.

* It has been noted that CBOD is greater than BOD, however this difference is within the limits of experimental variation.



Sarita Chand
 Approved Signatory



Dhruva Subedi
 Approved Signatory



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