

Date Received: 14/06/2018

Date Reported: 26/06/2018

Order No: PO-2950

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 11/06/2018 12:30 PM	Ex WWTP 11/06/2018 12:30 PM	Pond No. 1 11/06/2018 12:30 PM	Pond No. 2 11/06/2018 12:30 PM	Methods
pH	6.85	7.21	7.23	7.39	APHA 4500-H <sup>+</sup> B
Conductivity (µS/cm)	N/A	N/A	N/A	1,350	APHA 2510 B
BOD <sub>5</sub>	1,400	765	557	96	ALS: EP030
Carbonaceous Biochemical Oxygen Demand (CBOD)	N/A	N/A	N/A	93	ALS: EP030C
Total Suspended Solids	1,490	2,070	5,460	174	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	77	APHA 4500-N <sub>ORG</sub> B
Total Phosphorus	N/A	N/A	N/A	14	APHA 4500 P B/D
Nitrate & Nitrite Nitrogen (NO <sub>x</sub> -N)	N/A	N/A	N/A	16	APHA 4500-NO <sub>3</sub> <sup>-</sup> E
Total Nitrogen	N/A	N/A	N/A	93	Sum of TKN and NO <sub>x</sub> -N
Ammonia as N	N/A	N/A	N/A	11	APHA 4500-NH <sub>3</sub> B/C
Total Dissolved Solids	N/A	N/A	N/A	778	APHA 2540 C
Sodium total	N/A	N/A	N/A	200	APHA 3111 B
Calcium total	N/A	N/A	N/A	31	APHA 3111 D
Magnesium total	N/A	N/A	N/A	8.8	APHA 3111 B
SAR (Sodium Adsorption Ratio)	N/A	N/A	N/A	8.2	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 BOD<sub>5</sub> 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'.

BOD<sub>5</sub> and Carbonaceous Biochemical Oxygen Demand (CBOD) analysed by ALS Environmental Division Sydney, NATA Accreditation No. 825, Work Order ES1817409.



Sarita Chand  
 Approved Signatory



Dhruva Subedi  
 Approved Signatory



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