

01. Discharge to Water and Land monitoring points 1,2 (EDP1,EDP2 - referred on map) - Sampling Quarterly

Sample ID	Sample Location Refer map titled " SAMPLING POINTS NYNGAN REUSE SCHEME "	Sampling Date	Sampling frequency	Biochemical oxygen demand	Nitrogen (total)	Oil and grease	Phosphorous (total)	Total suspended solids	Ammonia as N	Faecal Coliforms (CFU/100 mL)
Acceptable range				0-30 mg/L	0-15 mg/L	0-10 mg/L	0-10 mg/L	0-30 mg/L	5 mg/L	200 CFU/100 mL
EDP1	Effluent reuse pond	01-Jul-12	Quarterly	50.0	8.1	<5	5.3	18		
		14-Nov-12	Quarterly	27.0	9.0	<5	7.4	28		
		03-Apr-13	Quarterly	28.0	20.0	<5	3.8	190		
		05-Aug-13	Quarterly	55.0	12.0	<5	5.2	53	0.57	73
		05-Nov-13	Quarterly	37.0	15.0	10	0.0	150	<0.005	20
				Minimum	27.0	8.1	<5	0.0	18	<0.005
		Maximum	55.0	20.0	10	7.4	190	0.57	73	
		Average	39.4	12.8	<5	4.3	87.8	<0.5	46.5	
EDP2	Centre of Pivot on property Laravoulta	01-Jul-12	Quarterly	37.0	10.3	<5	4.3	38		
		14-Nov-12	Quarterly	29.0	10.0	<5	6.2	230		
		03-Apr-13	Quarterly	44.0	18.0	<5	3.2	<5		
		07-Aug-13	Quarterly	35.0	9.6	<5	4.8	44	1.2	70.0
		07-Aug-13	Quarterly	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				Minimum	29.0	9.6	<5	3.2	<5	1.2
		Maximum	44.0	18.0	<5	6.2	230	1.2	70	
		Average	36.3	12.0	<5	4.6	<79	1.2	70	

02. Ground Water monitoring points 3,4,5,6,7(MB1,MB2,MB3,MB4,MB5 - refers on map) - Sampling Quarterly

Sample ID	Sample Location Refer map titled " SAMPLING POINTS NYNGAN REUSE SCHEME "	Sampling Date	Sampling frequency	Standing water level (m)	Calcium	Conductivity (mS/cm)	Magnesium	Nitrate	pH	Potassium	Sodium	Sodium Adsorption Ratio (%)	Thermotolerant coliforms (CFU/100mL) Approximates	Total Phosphorous	
MB1	E 519597 / N 6510451	12-Nov-12	Quarterly	15.925	690.0	35.8	1300	0.014	6.5	47	9000	47	40	<0.05	
		02-Apr-12	Quarterly	16.100	710.0	37.4	1200	<0.005	6.2	54	9800	52	<10	<0.05	
		05-Aug-13	Quarterly	15.980	700.0	38	1300	<0.005	6.5	61	10000	53	<10	<0.05	
		05-Nov-13	Quarterly	16.002	710.0	39	1400	<0.005	7.9	46	8900	45	<1	0.09	
				Minimum	15.925	690.0	35.8	1200	<0.005	6.2	46	8900	45	<1	<0.05
				Maximum	16.100	710.0	39.0	1400	0.014	7.9	61	10000	53	40	<0.05
		Average	16.002	702.5	37.6	1300	<0.008	6.8	52	9425	49	<20	<0.05		
MB2	E 519123 / N 6510301		Q1												
		12-Nov-12	Quarterly	15.705	550.0	33.9	1100	0.450	7.0	57	9000	50	30	0.2	
		02-Apr-12	Quarterly	16.020	590.0	36.0	1100	0.190	6.5	63	9800	54	150	0.07	
		05-Aug-13	Quarterly	16.021	550.0	36.0	1000	0.150	7.3	69	9900	57	<10	0.1	
		05-Nov-13	Quarterly	15.915	580.0	38.0	1300	0.300	8.0	55	9000	48	<1	0.05	
				Minimum	15.705	550.0	33.9	1000	0.150	6.5	55	9000	48	<10	0.05
		Maximum	16.021	590.0	38.0	1300	0.450	8.0	69	9900	57	150	0.2		
		Average	15.915	567.5	36.0	1125	0.273	7.2	61	9425	52	<83	0.1		
MB3	E 519586 / N 6509978	12-Nov-12	Quarterly	15.840	570.0	35.5	1200	0.360	6.9	46	9500	51	20	0.100	
		02-Apr-12	Quarterly	16.060	620.0	38	1100	0.360	6.5	49	10000	55	<10	0.08	
		05-Aug-13	Quarterly	16.062	720.0	38	1500	0.310	6.8	60	1200	60	<10	0.1	
		05-Nov-13	Quarterly	15.987	620.0	39	1300	0.370	8.1	42	9100	48	<1	<0.05	
				Minimum	15.840	570.0	35.5	1100	0.310	6.5	42	1200	48	<1	<0.05
				Maximum	16.062	720.0	39.0	1500	0.370	8.1	60	10000	60	20	0.10
		Average	15.987	632.5	37.6	1275	0.350	7.1	49	7450	54	<10	<0.05		
MB4	E 518560 / N 6509440	13-Nov-12	Quarterly	13.050	0.9	1.8	3	11.0	7.5	3	370	37	<20	0.6	
		02-Apr-12	Quarterly	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		05-Aug-13	Quarterly	13.052	1.9	2.2	3.7	8.2	7.1	4.2	540.0	52.0	<10	0.6	
		05-Nov-13	Quarterly	13.051	2.0	2.1	4.9	9.7	8.3	4	450	39	<1	0.3	
				Minimum	13.050	0.9	1.8	3	8.200	7.1	3	370	37	<20	0.3
				Maximum	13.052	2.0	21.0	5	11.000	8.3	4	540	52	<20	0.6

