

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	Amonia 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	18.0		
		14-Nov-12	Quarterly	27.0	9.0	<5	7.4	28.0		
		03-Apr-13	Quarterly	28.0	20.0	<5	3.8	190.0		
		05-Aug-13	Quarterly	55.0	12.0	<5	5.2	53.0	0.6	73.0
		05-Nov-13	Quarterly	37.0	15.0	10.0	0.0	150.0	<0.005	20.0
		18-Feb-14	Quarterly	37.0	17.0	<5	4.9	82.0	6.1	98.0
		41800.0	Quarterly	27.0	11.0	<5	4.5	96.0	2.1	2.0
		41905.0	Quarterly	<5	5.0	<5	4.3	43.0	1.0	<10
		41983.0	Quarterly	17.0	4.5	6.0	3.1	40.0	0.0	<1000 NBO
				Minimum	<5	4.5	<5	0.0	18.0	0.0
		Maximum	55.0	20.0	10.0	7.4	190.0	6.1	98.0	
		Average	34.8	11.3	<5	4.3	77.8	2.0	48.3	
EDP2	Centre of Pivot on property Laravoulta	01-Jul-12	Quarterly	37.0	10.3	<5	4.3	38.0		
		14-Nov-12	Quarterly	29.0	10.0	<5	6.2	230.0		
		03-Apr-13	Quarterly	44.0	18.0	<5	3.2	<5		
		07-Aug-13	Quarterly	35.0	9.6	<5	4.8	44.0	1.2	70.0
		07-Nov-13	Quarterly	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		17-Feb-14	Quarterly	44.0	12.0	<5	1.4	8.0	9.1	<1
		11-Jun-14	Quarterly	9.0	12.0	<5	4.4	27.0	3.8	10.0
		23-Sep-14	Quarterly	9.0	5.0	<5	4.8	20.0	0.4	<10
		Not sampled	Quarterly	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				Minimum	9.0	5.0	<5	1.4	<5	0.4
		Maximum	44.0	18.0	<5	6.2	230.0	9.1	70.0	
		Average	29.6	11.0	<5	4.2	61.0	3.6	40.0	

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-Jan-00	10-Dec-01	08-Feb-00	31-Oct-03	<0.005	07-Jan-00	15-Feb-00	13-May-24	14-Feb-00	<1	00-Jan-00	
		17-Feb-14	Quarterly	15-Jan-00	10-Nov-01	08-Feb-00	31-Oct-03	00-Jan-00	06-Jan-00	22-Feb-00	22-Jul-26	18-Feb-00	<1	<0.05	
		10-Jun-14	Quarterly	16-Jan-00	19-Jan-02	08-Feb-00	31-Oct-03	<0.005	06-Jan-00	16-Feb-00	11-Feb-30	09-Jan-00	09-May-00	00-Jan-00	
		22-Sep-14	Quarterly	16-Jan-00	09-Jan-02	07-Feb-00	31-Oct-03	<0.005	06-Jan-00	14-Feb-00	18-May-27	20-Feb-00	<1	00-Jan-00	
		09-Dec-14	Quarterly	13-Jan-00	11-Oct-01	08-Feb-00	23-Jul-03	<0.005	06-Jan-00	13-Feb-00	30-Oct-26	20-Feb-00	<0.25	<0.05	
				Minimum	13.048	650.0	35.8	1200	<0.005	6.2	44	8900	9	<1	<0.05
				Maximum	16.121	750.0	39.0	1400	0.020	7.9	61	11000	53	130	<0.05
		Average	15.646	703.8	38.2	1338	<0.008	6.7	50	9775	45	<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	
		17-Feb-14	Quarterly	15.884	550.000	36.000	1200.000	0.570	7.800	60.000	9500.000	51.000	<1	0.200	
		11-Jun-14	Quarterly	16.012	640.000	36.000	1300.000	0.370	6.800	53.000	10000.000	9.500	<1	<0.05	
		22-Sep-14	Quarterly	15.919	600.000	36.000	1300.000	0.430	6.800	53.000	10000.000	52.000	1 (appx)	<0.05	
		09-Dec-14	Quarterly	15.976	600.000	38.000	1300.000	0.410	6.800	56.000	10000.000	54.000	<0.25	<0.05	
				Minimum	15.705	550.0	33.9	1000	0.150	6.5	53	9000	10	<10	0.05
		Maximum	16.021	640.0	38.0	1300	0.570	8.0	69	10000	57	150	0.2		
		Average	15.932	582.5	36.2	1200	0.359	7.1	58	9650	47	<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
		17-Feb-14	Quarterly	15.547	590.000	37.000	1300.000	0.440	6.800	51.000	10000.000	52.000	30.000	0.060
		10-Jun-14	Quarterly	16.104	730.000	38.000	1500.000	0.380	6.700	49.000	12000.000	5.800	10.000	0.060
		22-Sep-14	Quarterly	15.988	680.000	37.000	1400.000	0.430	6.700	44.000	11000.000	54.000	<1	0.050
		09-Dec-14	Quarterly	16.012	650.000	39.000	1400.000	0.360	6.800	45.000	11000.000	57.000		<0.25
		Minimum		15.547	570.0	35.5	1100	0.310	6.5	42	1200	6	<1	<0.05
		Maximum		16.104	730.0	39.0	1500	0.440	8.1	60	12000	60	30	0.10
Average		15.950	647.5	37.7	1338	0.376	6.9	48	9225	48	<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	3.5	450.0	39.0	<1	0.3
		17-Feb-14	Quarterly	13.1	1.3	2.1	3.8	8.7	7.9	4.6	570.0	56.0	10.0	0.4
		10-Jun-14	Quarterly	13.1	1.3	2.1	4.2	8.1	7.3	3.8	580.0	46.0	<1	0.2
		23-Sep-14	Quarterly	13.1	2.3	2.1	4.2	8.4	7.3	4.0	570.0	51.0	<10 NBO	0.5
		10-Dec-14	Quarterly	13.087	1.300	2.100	3.600	9.300	7.300	3.700	540.000	55.000		0.300
		Minimum		13.050	0.9	1.8	3	8.100	7.1	3	370	37	<20	0.2
		Maximum		13.111	2.3	2.1	5	11.000	8.3	5	580	56	<20	0.6
Average		13.069	1.6	4.8	4	9.057	7.5	4	517	48	<10	0.4		
MB5	E 520385 / N 6510111	13-Nov-12	Quarterly	15.750	140	16.3	290	6.5	7.1	18	4100	45	70	0.6
		02-Apr-12	Quarterly	15.940	140	17.3	280	6.5	6.6	18	4200	47	<10	<0.05
		05-Aug-13	Quarterly	15.938	140	18	280	6.2	6.9	22	4500	50	<10	<0.05
		05-Nov-13	Quarterly	15.876	160	19	330	6.8	8.3	18	4300	44	<1	0.1
		41687.000	Quarterly	15.839	160.000	19.000	320.000	7.600	6.900	20.000	5100.000	52.000	<1	<0.005
		41801.000	Quarterly	15.989	170.000	18.000	360.000	6.800	6.900	19.000	5400.000	17.000	2.000	<0.005
		41905.000	Quarterly	15.877	180.000	18.000	430.000	6.800	6.900	21.000	5100.000	51.000	1 (appx) NBO	0.050
		41983.000	Quarterly	15.891	190.000	19.000	410.000	6.900	6.900	20.000	5900.000	54.000		<0.05
		Minimum		15.750	140	16.3	280	6.2	6.6	18	4100	17	<10	<0.05
		Maximum		15.989	190	19	430	7.6	8.3	22	5900	54	70	0.6
Average		15.888	160	18.075	338	6.7625	7.1	20	4825	45	<40	<0.2		

03. Soil monitoring points 11,12,13 (SL1,SL2,SL3 - refers on map) - Sampling Annually

Sample ID	Sample Location Refer map titled "SAMPLING POINTS NYNGAN REUSE SCHEME"	Sampling Date	Sampling frequency	Available phosphorous (Cowell)	Available phosphorous (Bray)	Cation exchange capacity (meq/100g)	Conductivity (µS/cm)	Exchangeable aluminium (meq/100g)	Exchangeable calcium (meq/100g)	Exchangeable magnesium (meq/100g)	Exchangeable potassium (meq/100g)	Exchangeable sodium (meq/100g)	Exchangeable sodium percentage (%)	Nitrogen (total)	Organic carbon (%)	pH	Phosphorous (total)	Phosphorous sorption capacity (one point)
SL1	E 519335/ N 6510123	14-Mar-11	Annually	4097	41	8.8	170	<0.01	4.7	1.9	2.1	0.12	1.4	1000	1.10	6.3	420	12.6
	E 519335/ N 6510123	13-Nov-12	Annually	62	74	7.3	190	<0.1	3.8	1.6	1.5	0.47	6.4	970	1.60	7.8	310	2.7
	E 519335/ N 6510123	17-Feb-14	Annually	92	90	10	270	<0.1	5.2	2	2.4	0.73	7.1	1300	1.70	7	540	
SL2	E 519452/ N 6510335	14-Mar-11	Annually	3184	31	8	95	<0.01	4.3	1.4	2.2	0.84	1.1	990	0.90	6.3	320	32.0
	E 519452/ N 6510335	12-Nov-12	Annually	65	58	8.8	160	<0.1	4.9	1.7	1.9	0.46	5.3	810	1.40	7.9	350	3.0
	E 519452/ N 6510335	17-Feb-14	Annually	97	83	11	190	<0.1	6.1	2.3	2.4	0.67	5.8	1100	1.80	7.4	500	
SL3	E 519118 / N 6510536	14-Mar-11	Annually	3328	15	8.6	78	<0.01	4.5	2.5	1.2	0.36	4.2	570	0.80	6.7	240	32.0
	E 519118 / N 6510536	12-Nov-12	Annually	26	15	5.8	49	<0.1	2.9	2.1	0.6	0.26	4.4	530	0.96	6.9	200	3.2
	E 519118 / N 6510536	17-Feb-14	Annually	29	16	10	70	<0.1	4.8	3.7	1	0.68	6.8	650	0.85	6.8	250	

04. Soil monitoring points 8,9,10 (SA1,SA2,SA3 - refers on map) - Sampling - Annually,when airport site is utilised for irrigation

Sample ID	Sample Location Refer map titled "SAMPLING POINTS NYNGAN REUSE SCHEME"	Sampling Date	Sampling frequency	Available phosphorous (Cowell)	Available phosphorous (Bray)	Cation exchange capacity (meq/100g)	Conductivity (µS/cm)	Exchangeable aluminium (meq/100g)	Exchangeable calcium (meq/100g)	Exchangeable magnesium (meq/100g)	Exchangeable potassium (meq/100g)	Exchangeable sodium (meq/100g)	Exchangeable sodium percentage (%)	Nitrogen (total)	Organic carbon (%)	pH	Phosphorous (total)	Phosphorous sorption capacity (one point)
SA1	E 518560/ N 6509471		Annually															
SA2	E 518995/ N 6509487		Annually															
SA3	E 518848 / N 6509900		Annually															

05. Groundwater Standing Level Monitoring Points (MB1,MB2,MB3,MB4,MB5,MW1,MW2,MW3 - refers on map) Sampling - Monthly

Date	Sampling frequency	Standing Water Levels (SWL) of Following Bore I.D 's (meters)								
		MB1	MB2	MB3	MB4	MB5	MW1	MW2	MW3	

MB1

