

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

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		
		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
		18-Feb-14	Quarterly	37.0	17.0	<5	4.9	82	6.1	98
				Minimum	27.0	8.1	<5	0.0	18	<0.005
		Maximum	55.0	20.0	10	7.4	190	6.1	98	
		Average	39.0	13.5	<5	4.4	86.8	<0.5	63.7	
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-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	9.1	<1
				Minimum	29.0	9.6	<5	1.4	<5	1.2
		Maximum	44.0	18.0	<5	6.2	230	9.1	70	
		Average	37.8	12.0	<5	4.0	<79	5.15	70	

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

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	
		17-Feb-14	Quarterly	15.979	680.0	39	1400	0.020	6.5	53	9700	49	<1	<0.05	
				Minimum	15.925	680.0	35.8	1200	<0.005	6.2	46	8900	45	<1	<0.05
				Maximum	16.100	710.0	39.0	1400	0.020	7.9	61	10000	53	40	<0.05
		Average	15.997	698.0	37.8	1320	<0.008	6.7	52	9480	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	
		17-Feb-14	Quarterly	15.884	550.0	36.0	1200	0.570	7.8	60	9500	51	<1	0.2	
				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	0.570	8.0	69	9900	57	150	0.2		
		Average	15.909	564.0	36.0	1140	0.332	7.3	61	9440	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	
		17-Feb-14	Quarterly	15.547	590.0	37	1300	0.440	6.8	51	10000	52	30	0.06	
				Minimum	15.547	570.0	35.5	1100	0.310	6.5	42	1200	48	<1	<0.05
				Maximum	16.062	720.0	39.0	1500	0.440	8.1	60	10000	60	30	0.10
		Average	15.899	624.0	37.5	1280	0.368	7.0	50	7960	53	<10	<0.05		
		13-Nov-12	Quarterly	13.050	0.9	1.8	3	11.0	7.5	3	370	37	<20	0.6	

MB4	E 518560 / N 6509440	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	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	21.0	4.9	9.7	8.3	3.5	450.0	39.0	<1	0.3			
		17-Feb-14	Quarterly	13.050	1.3	2.1	3.8	8.7	7.9	5	570	56	10	0.4			
				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	5	570	56	<20	0.6				
		Average	13.051	1.5	6.8	4	9.400	7.7	4	483	46	<10	0.5				
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			
		17-Feb-14	Quarterly	15.839	160	19	320	7.6	6.9	20	5100	52	<1	<0.005			
				Minimum	15.750	140	16.3	280	6.2	6.6	18	4100	44	<10	<0.05		
		Maximum	15.940	160	19	330	7.6	8.3	22	5100	52	70	0.6				
		Average	15.869	148	17.92	300	6.72	7.2	19	4440	48	<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
09.05.2013	Monthly	16.17	16.06	16.13	13.25	16.01	17.25	17.14	17.32
05.07.2013	Monthly	16.02	16	16.07	15.14	15.9	17.5	17.06	17.2
15.08.2013	Monthly	16.02	16.12	16.09	10.27	15.92	17.24	N/A	17.1
11.09.2013	Monthly	15.98	16.04	16.01	13.08	15.19	17.13	17.04	17.11
10.10.2013	Monthly	15.95	16.15	16	15.98	14.78	17.12	17.04	17.91
15.11.2013	Monthly	16.05	16.03	16.06	13.16	15.99	17.15	17.08	17.23
12.12.2013	Monthly	16.05	16.03	16.05	13.1	15.92	17.16	17.08	17.23