

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 - Colony Forming Units /100 mL) NBO - Noted Background Organism	pH (Field)
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			7.0
		03-Apr-13	Quarterly	28.0	20.0	<5	3.8	190.0			7.2
		05-Aug-13	Quarterly	55.0	12.0	<5	5.2	53.0	0.6	73.0	7.1
		05-Nov-13	Quarterly	37.0	15.0	10.0	0.0	150.0	<0.005	20.0	7.0
		18-Feb-14	Quarterly	37.0	17.0	<5	4.9	82.0	6.1	98.0	7.0
		10-Jun-14	Quarterly	27.0	11.0	<5	4.5	96.0	2.1	2.0	6.9
		23-Sep-14	Quarterly	<5	5.0	<5	4.3	43.0	1.0	<10	6.8
		10-Dec-14	Quarterly	17.0	4.5	6.0	3.1	40.0	0.0	<1000 NBO	6.9
		17-Mar-15	Quarterly	13.0	7.2	<5	4.8	82.0	<0.005	100 NBO	6.9
		30-Jun-15	Quarterly	9.0	10.0	<5	5.2	47.0	1.9	<1 NBO	7.1
		07-Oct-15	Quarterly	<5	6.0	<5	3.5	23.0	1.8	6400.0	8.4
		16-Feb-16	Quarterly	14.0	3.7	<5	1.7	120.0	<0.005	<20	9.5
		21-Mar-16	Quarterly	140.0	6.2	<5	2.5	37.0	<0.005	<1000	9.4
		04-Jul-16	Quarterly	<5	5.2	<5	3.4	21.0	0.3	88.0	8.6
		Minimum	<5	3.7	6.0	0.0	18.0	0.0	2.0	6.8	
		Maximum	140.0	20.0	10.0	7.4	190.0	6.1	6400.0	9.5	
		Average	37.8	9.6	8.0	4.0	72.1	1.9	1318.6	7.5	
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			7.1
		03-Apr-13	Quarterly	44.0	18.0	<5	3.2	<5			7.2
		07-Aug-13	Quarterly	35.0	9.6	<5	4.8	44.0	1.2	70.0	7.2
		07-Nov-13	Quarterly	N/A	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	7.2
		11-Jun-14	Quarterly	9.0	12.0	<5	4.4	27.0	3.8	10.0	7.0
		23-Sep-14	Quarterly	9.0	5.0	<5	4.8	20.0	0.4	<10	7.0
		10-Dec-14	not sampled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		17-Mar-15	not sampled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		30-Jun-15	Quarterly	34.0	11.0	<5	3.8	8.0	5.2	70 (appx)	7.2
		07-Oct-15	Quarterly	<5	6.3	<5	3.8	<5	2.8	<1 NBO	8.3
		16-Feb-16	not sampled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		21-Mar-16	not sampled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		04-Jul-16	not sampled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Minimum	<5	5.0	<5	1.4	<5	0.0	0.0	0.0	
		Maximum	44.0	18.0	0.0	6.2	230.0	0.0	0.0	0.0	
		Average	30.1	9.9	<5	3.8	53.6	0.0	0.0	0.0	

No Use
No Use
No Use

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
Acceptable range EQL				n/a	0.5	1	0.5	0.005	n/a	0.5	0.5	0.01	20	0.05
MB1	E 510507 / N 6510451	12-Nov-12	Quarterly	15.9	690.0	35.8	1300.0	0.0	6.5	47.0	9000.0	47.0	40.0	<0.05
		02-Apr-12	Quarterly	16.1	710.0	37.4	1200.0	<0.005	6.2	54.0	9800.0	52.0	<10	<0.05
		05-Aug-13	Quarterly	16.0	700.0	38.0	1300.0	<0.005	6.5	61.0	10000.0	53.0	<10	<0.05
		05-Nov-13	Quarterly	16.0	710.0	39.0	1400.0	<0.005	7.9	46.0	8900.0	45.0	<1	0.09
		17-Feb-14	Quarterly	16.0	680.0	39.0	1400.0	0.0	6.5	53.0	9700.0	49.0	<1	<0.05
		10-Jun-14	Quarterly	16.1	750.0	39.0	1400.0	<0.005	6.7	47.0	11000.0	9.0	130.0	0.09
		22-Sep-14	Quarterly	16.0	740.0	38.0	1400.0	<0.005	6.5	45.0	10000.0	51.0	<1	0.1
		09-Dec-14	Quarterly	13.0	650.0	39.0	1300.0	<0.005	6.5	44.0	9800.0	51.0	<10	<0.25

MB1	E 519221 / N 651951	16-Mar-15	Quarterly	15.9	690.0	37.0	1300.0	<0.005	6.6	60.0	9800.0	50.0	<10	0.1
		30-Jun-15	Quarterly	15.6	800.0	33.0	1600.0	0.0	6.6	54.0	11000.0	52.0	100.0	0.3
		07-Oct-15	Quarterly	16.1	610.0	35.0		<0.005		52.0	9800.0	53.0	<1	0.1
		16-Feb-16	Quarterly	16.3	720.0	41.0	1400.0	0.0	7.9	50.0	10000.0	51.0	20.0	1.0
		21-Mar-16	Quarterly	16.4	660.0	36.0	1300.0	0.1	7.2	55.0	11000.0	55.0	<20	7.4
		04-Jul-16	Quarterly	16.2	820.0	34.0	1600.0	0.1	6.7	52.0	11000.0	52.0	<200	2.5
		Minimum		16.1	610.0	34.0	1300.0	0.0	6.7	50.0	9800.0	51.0	20.0	0.1
		Maximum		16.4	820.0	41.0	1600.0	0.1	7.9	55.0	11000.0	55.0	20.0	7.4
Average		16.2	702.5	36.5	1433.3	0.1	7.3	52.3	10450.0	52.8	20.0	2.8		
MB2	E 519123 / N 6510301	Q1												
		12-Nov-12	Quarterly	15.7	550.0	33.9	1100.0	0.5	7.0	57.0	9000.0	50.0	30.0	0.2
		02-Apr-12	Quarterly	16.0	590.0	36.0	1100.0	0.2	6.5	63.0	9800.0	54.0	150.0	0.07
		05-Aug-13	Quarterly	16.0	550.0	36.0	1000.0	0.2	7.3	69.0	9900.0	57.0	<10	0.1
		05-Nov-13	Quarterly	15.9	580.0	38.0	1300.0	0.3	8.0	55.0	9000.0	48.0	<1	0.05
		17-Feb-14	Quarterly	15.9	550.0	36.0	1200.0	0.6	7.8	60.0	9500.0	51.0	<1	0.200
		11-Jun-14	Quarterly	16.0	640.0	36.0	1300.0	0.4	6.8	53.0	10000.0	9.5	<1	<0.05
		22-Sep-14	Quarterly	15.9	600.0	36.0	1300.0	0.4	6.8	53.0	10000.0	52.0	1 (appx)	<0.05
		09-Dec-14	Quarterly	16.0	600.0	38.0	1300.0	0.4	6.8	56.0	10000.0	54.0	10.0	<0.25
		16-Mar-15	Quarterly	15.8	580.0	37.0	1300.0	0.4	6.8	68.0	9700.0	51.0	<1	<0.05
		30-Jun-15	Quarterly	15.4	500.0	34.0	1500.0	0.4	6.8	65.0	11000.0	52.0	<1	0.1
		07-Oct-15	Quarterly	16.0	510.0	36.0		0.5		58.0	9500.0	53.0	<1	<0.05
		16-Feb-16	Quarterly	16.2	590.0	39.0	1300.0	0.5	7.3	59.0	9900.0	52.0	<20	0.1
		21-Mar-16	Quarterly	16.1	550.0	38.0	1200.0	0.4	7.2	65.0	10000.0	57.0	<20	0.9
		04-Jul-16	Quarterly	16.2	660.0	33.0	140.0	0.4	6.9	61.0	11000.0	54.0	<200	0.2
Minimum		16.0	510.0	33.0	140.0	0.4	6.9	58.0	9500.0	52.0	0.0	0.1		
Maximum		16.2	660.0	39.0	1300.0	0.5	7.3	65.0	11000.0	57.0	0.0	0.9		
Average		16.1	577.5	36.5	880.0	0.4	7.1	60.8	10100.0	54.0	#DIV/0!	0.4		
MB3	E 519586 / N 6509978	12-Nov-12	Quarterly	15.8	570.0	35.5	1200	0.360	6.9	46	9500	51	20	0.100
		02-Apr-12	Quarterly	16.1	620.0	38.0	1100.0	0.4	6.5	49.0	10000.0	55.0	<10	0.08
		05-Aug-13	Quarterly	16.1	720.0	38.0	1500.0	0.3	6.8	60.0	1200.0	60.0	<10	0.1
		05-Nov-13	Quarterly	16.0	620.0	39.0	1300.0	0.4	8.1	42.0	9100.0	48.0	<1	<0.05
		17-Feb-14	Quarterly	15.5	590.0	37.0	1300.0	0.4	6.8	51.0	10000.0	52.0	30.0	0.060
		10-Jun-14	Quarterly	16.1	730.0	38.0	1500.0	0.4	6.7	49.0	12000.0	5.8	10.0	0.060
		22-Sep-14	Quarterly	16.0	680.0	37.0	1400.0	0.4	6.7	44.0	11000.0	54.0	<1	0.050
		09-Dec-14	Quarterly	16.0	650.0	39.0	1400.0	0.4	6.8	45.0	11000.0	57.0	320.0	<0.25
		16-Mar-15	Quarterly	15.9	620.0	38.0	1400.0	0.4	6.7	56.0	10000.0	50.0	80.0	<0.05
		30-Jun-15	Quarterly	15.4	651.0	5.0	1400.0	0.5	6.8	54.0	10000.0	52.0	<1 NBO	0.1
		07-Oct-15	Quarterly	16.0	540.0	38.0		0.4		49.0	9800.0	55.0	<1	<0.05
		16-Feb-16	Quarterly	16.2	760.0	45.0	1600.0	0.3	7.2	60.0	12000.0	54.0	<20	0.6
		21-Mar-16	Quarterly	16.2	730.0	45.0	1500.0	0.3	7.2	61.0	12000.0	59.0	<20	0.7
		04-Jul-16	Quarterly	16.1	780.0	36.0	1600.0	0.3	6.9	55.0	12000.0	55.0	<200	1.1
		Minimum		16.0	540.0	36.0	1500.0	0.3	6.9	49.0	9800.0	54.0	0.0	0.6
Maximum		16.2	780.0	45.0	1600.0	0.4	7.2	61.0	12000.0	59.0	0.0	1.1		
Average		16.1	702.5	41.0	1566.7	0.3	7.1	56.3	11450.0	55.8	#DIV/0!	0.8		
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	13.1	1.9	2.2	3.7	8.2	7.1	4.2	540.0	52.0	<10	0.6
		05-Nov-13	Quarterly	13.1	2.0	21.0	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	13.1	1.3	2.1	3.6	9.3	7.3	3.7	540.0	55.0	3000.0	0.3
		17-Mar-15	Quarterly	13.1	1.4	2.1	4.5	9.9	7.4	4.3	550.0	51.0	3200.0	0.3
		30-Jun-15	Quarterly	12.8	1.1	2.0	3.8	10.0	7.3	4.1	530.0	53.0	200 (appx) NBO	0.3
		07-Oct-15	Quarterly	13.4	1.1	2.4		11.0		3.6	550.0	57.0	<1	0.2
		16-Feb-16	Quarterly	13.6	1.2	2.1	3.7	12.0	7.6	4.1	550.0	55.0	<20	4.6
		21-Mar-16	Quarterly	13.8	0.9	2.2	3.9	13.0	7.5	4.9	620.0	62.0	<20	2.2
		04-Jul-16	Quarterly	13.4	1.1	2.2	4.5	14.0	7.2	4.3	590.0	55.0	<200	0.8
		Minimum		13.4	0.9	2.1	3.7	11.0	7.2	3.6	550.0	55.0	0.0	0.2
Maximum		13.8	1.2	2.4	4.5	14.0	7.6	4.9	620.0	62.0	0.0	4.6		
Average		13.6	1.1	2.2	4.0	12.5	7.4	4.2	577.5	57.3	#DIV/0!	2.0		
		13-Nov-12	Quarterly	15.8	140.0	16.3	290.0	6.5	7.1	18.0	4100.0	45.0	70	0.6
		02-Apr-12	Quarterly	15.9	140.0	17.3	280.0	6.5	6.6	18.0	4200.0	47.0	<10	<0.05
		05-Aug-13	Quarterly	15.9	140.0	18.0	280.0	6.2	6.9	22.0	4500.0	50.0	<10	<0.05
		05-Nov-13	Quarterly	15.9	160.0	19.0	330.0	6.8	8.3	18.0	4300.0	44.0	<1	0.1
		17-Feb-14	Quarterly	15.8	160.0	19.0	320.0	7.6	6.9	20.0	5100.0	52.0	<1	<0.005
		11-Jun-14	Quarterly	16.0	170.0	18.0	360.0	6.8	6.9	19.0	5400.0	17.0	2.0	<0.005
		23-Sep-14	Quarterly	15.9	180.0	18.0	430.0	6.8	6.9	21.0	5100.0	51.0	1 (appx) NBO	0.050

