

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Conductivity	microsiemens per centimetre	4	4		108.4	
Dissolved Oxygen	milligrams per litre	4	4		8.71	
Faecal Coliforms	colony forming units per 100 millilitres	4	4	<10	45	80
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	0.049	0.049
pH	pH	4	4		7.51	
Potassium	milligrams per litre	4	4	1.3	2.5	3.6
Redox potential	millivolts	4	4		-1.7	
Total dissolved solids	milligrams per litre	4	4	73	122.75	180
Total organic carbon	milligrams per litre	4	4	10	14.5	21

Ambient Water Quality Monitoring, Dam C labelled as SW05 on Map No. 10246/5 contained in the Report on Completion of Scheduled Development Works dated September 2006. E-763720 N-6113570

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Conductivity	microsiemens per centimetre	4	4		81.1	
Dissolved Oxygen	milligrams per litre	4	4		9.42	
Faecal Coliforms	colony forming units per 100 millilitres	4	4	<10	50	130
Nitrogen (ammonia)	milligrams per litre	4	4	0.006	0.206	0.49
pH	pH	4	4		6.54	
Potassium	milligrams per litre	4	4	7.9	8.825	11
Redox potential	millivolts	4	4		-1.2	
Total dissolved solids	milligrams per litre	4	4	110	230	440
Total organic carbon	milligrams per litre	4	4	12	22	38

Ambient Water Quality Monitoring, Dam A labelled as SW03 on Map No. 10246/5 contained in the Report on Completion of Scheduled Development Works, dated September 2006. E-764239 N-6113933

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Conductivity	microsiemens per centimetre	4	4		240	
Dissolved Oxygen	milligrams per litre	4	4		10.34	
Faecal Coliforms	colony forming units per 100 millilitres	4	4	<10	8029	16000
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	0.023	0.23
pH	pH	4	4		6.89	
Potassium	milligrams per litre	4	4	7.4	10.225	14
Redox potential	millivolts	4	4		-1.7	
Total dissolved solids	milligrams per litre	4	4	160	235	320
Total organic carbon	milligrams per litre	4	4	7	9.25	12

Ambient Water Quality Monitoring, Dam Z labelled as SW01 on Map No. 10246/5 contained in the Report on Completion of Scheduled Development Works, dated September 2006. E-763859 N-6113789

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Conductivity	microsiemens per centimetre	4	4		254	
Dissolved Oxygen	milligrams per litre	4	4		9.09	
Faecal Coliforms	colony forming units per 100 millilitres	4	4	4	7	10
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	<0.05	<0.05
pH	pH	4	4		6.77	
Potassium	milligrams per litre	4	4	3.4	4.2	5.2
Redox potential	millivolts	4	4		-1.5	
Total dissolved solids	milligrams per litre	4	4	130	155	200
Total organic carbon	milligrams per litre	4	4	6	10.25	15

Ambient Water Quality Monitoring, Nadgigomar Creek, upstream of premises labelled as SW02 on Map No. 10246/5 contained in the Report on Completion of Scheduled Development Works, dated September 2006. E-763753 N-6113494

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Conductivity	microsiemens per centimetre	4	4		101	
Dissolved Oxygen	milligrams per litre	4	4		8.72	
Faecal Coliforms	colony forming units per 100 millilitres	4	4	<10	80	80
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	0.036	0.036
pH	pH	4	4		6.33	
Potassium	milligrams per litre	4	4	3.5	4.95	5.7
Redox potential	millivolts	4	4		-1.4	
Total dissolved solids	milligrams per litre	4	4	110	135	150
Total organic carbon	milligrams per litre	4	4	11	16	20

Ambient Water Quality Monitoring, Nadgigomar Creek, downstream of premises labelled as SW04 on Map No. 10246/5 contained in the Report on Completion of Scheduled Development Work, dated September 2006. E-764331 N-6113998

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Conductivity	microsiemens per centimetre	4	2	5900		6300
pH	pH	4	2	8.7		8.8

Leachate Monitoring, Leachate Sump in Cell 2

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	18	27.5	36
Calcium	milligrams per litre	4	4	5.2	8.075	12
Chloride	milligrams per litre	4	4	31	38	42
Magnesium	milligrams per litre	4	4	7	8.375	12
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	0.127	0.12
pH	pH	4	4	5.38	5.37	5.34
Potassium	milligrams per litre	4	4	1.1	1.225	1.3
Sodium	milligrams per litre	4	4	18	25	36
Sulfate	milligrams per litre	4	4	15	31	53

Groundwater Quality Monitoring, Groundwater bore labelled as **GW01** on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-763830 N-6113901

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	<5	8.5	9
Calcium	milligrams per litre	4	4	4.2	5.05	7.3
Chloride	milligrams per litre	4	4	40	42.5	45
Magnesium	milligrams per litre	4	4	6.3	7.575	11
Nitrogen (ammonia)	milligrams per litre	4	4	<0.05	0.0203	0.023
pH	pH	4	4	5.26	5.26	5.26
Potassium	milligrams per litre	4	4	1.8	1.9	2
Sodium	milligrams per litre	4	4	27	33	38
Sulfate	milligrams per litre	4	4	42	47	56
Total dissolved solids	milligrams per litre	4	4	130	157.5	190
Total organic carbon	milligrams per litre	4	4	3	4.25	6

Groundwater Quality Monitoring, Groundwater bore labelled as **GW02** on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-763852 N-6113725



Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	31	35	39
Calcium	milligrams per litre	4	4	6.7	6.975	7.3
Chloride	milligrams per litre	4	4	40	43.5	47
Magnesium	milligrams per litre	4	4	9.8	9.925	10
Nitrogen (ammonia)	milligrams per litre	4	4	0.065	0.32125	0.59
pH	pH	4	4	5.39	5.3975	5.4
Potassium	milligrams per litre	4	4	1.6	1.75	1.9
Sodium	milligrams per litre	4	4	17	18.25	20
Sulfate	milligrams per litre	4	4	8	9.75	12
Total dissolved solids	milligrams per litre	4	4	120	142.5	160
Total organic carbon	milligrams per litre	4	4	2	3	5

Groundwater Quality Monitoring, Groundwater bore labelled as **GW03** on Map No. 10246/5 contained in the Report on Completion of Scheduled Development Works, dated September 2006. E-763667 N-6113986

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	<5	43.333	52
Calcium	milligrams per litre	4	4	5.5	5.7	5.9
Chloride	milligrams per litre	4	4	35	38.75	42
Magnesium	milligrams per litre	4	4	8.4	8.625	8.8
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	0.258333	0.53
pH	pH	4	4	5.94	5.955	5.96
Potassium	milligrams per litre	4	4	2.1	2.225	2.3
Sodium	milligrams per litre	4	4	20	24.25	27
Sulfate	milligrams per litre	4	4	5	13.75	35
Total dissolved solids	milligrams per litre	4	4	110	135	200
Total organic carbon	milligrams per litre	4	4	1	2.25	4

Groundwater Quality Monitoring, Groundwater bore labelled as **GW04** on Map No. 10246/5 in the Report of Completion of Scheduled Development Works, dated September 2006. E-763511 N-6113680

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	120	130	140
Calcium	milligrams per litre	4	4	15	15.25	16
Chloride	milligrams per litre	4	4	31	34.75	38
Magnesium	milligrams per litre	4	4	23	24.25	25
Nitrogen (ammonia)	milligrams per litre	4	4	0.014	0.02175	0.043
pH	pH	4	4	5.17	5.6025	5.77
Potassium	milligrams per litre	4	4	2.1	2.275	2.5
Sodium	milligrams per litre	4	4	17	20	24
Sulfate	milligrams per litre	4	4	4	5.25	7
Total dissolved solids	milligrams per litre	4	4	150	182.5	210
Total organic carbon	milligrams per litre	4	4	1	2	3

Groundwater Quality Monitoring, Groundwater bore labelled as **GW05** on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-763757 N-6113593

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	74	76.5	82
Calcium	milligrams per litre	4	4	4.6	4.675	4.8
Chloride	milligrams per litre	4	4	26	28.75	32
Magnesium	milligrams per litre	4	4	8.9	8.975	91
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	<0.005	<0.005
pH	pH	4	4	6.27	6.2875	6.3
Potassium	milligrams per litre	4	4	2	2.175	2.3
Sodium	milligrams per litre	4	4	30	37	41
Sulfate	milligrams per litre	4	4	7	8	9
Total dissolved solids	milligrams per litre	4	4	120	145	170
Total organic carbon	milligrams per litre	4	4	1	2.25	4

Groundwater Quality Monitoring, Groundwater bore labelled as **GW06** on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-764263 N-6113821

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	<5	10	15
Calcium	milligrams per litre	4	4	0.7	1.075	1.6
Chloride	milligrams per litre	4	4	29	31	36
Magnesium	milligrams per litre	4	4	2.5	3.125	3.8
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	0.006	0.006
pH	pH	4	4	4.41	4.43	4.44
Potassium	milligrams per litre	4	4	0.9	0.975	1.2
Sodium	milligrams per litre	4	4	17	21.5	27
Sulfate	milligrams per litre	4	4	8	8.75	11
Total dissolved solids	milligrams per litre	4	4	67	87.75	120
Total organic carbon	milligrams per litre	4	4	2	3.75	7

Groundwater Quality Monitoring, Groundwater bore labelled as **GW07** on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-764113 N-6114001

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	13	18.25	25
Calcium	milligrams per litre	4	4	3.6	3.875	4.6
Chloride	milligrams per litre	4	4	34	37.75	41
Magnesium	milligrams per litre	4	4	6	6.3	7
Nitrogen (ammonia)	milligrams per litre	4	4	<0.005	<0.005	<0.005
pH	pH	4	4	5.77	5.77	5.77
Potassium	milligrams per litre	4	4	1.2	1.275	1.4
Sodium	milligrams per litre	4	4	18	19.75	23
Sulfate	milligrams per litre	4	4	9	9.75	11
Total dissolved solids	milligrams per litre	4	4	77	100.5	130
Total organic carbon	milligrams per litre	4	4	1	1.5	3

Groundwater Quality Monitoring, Groundwater bore labelled as **GW08** on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-763857 N-6114196

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Particulates - Deposited Matter	grams per square metre per month	12	12	0.9	1.81	3.4

Dust Deposition Monitoring, Dust Deposition Gauge labelled as Dust 1 on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-763690 N-6114019

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Particulates - Deposited Matter	grams per square metre per month	12	12	0.5	1.142	1.9

Dust Deposition Monitoring, Dust Deposition Gauge labelled as Dust 2 on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-763536 N-6113663



Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Particulates - Deposited Matter	grams per square metre per month	12	12	0.3	1.79	6.9

Dust Deposition Monitoring, Dust Deposition Gauge labelled as Dust 3 on Map No. 10246/5 in the Report on Completion of SCheduled Development Works, dated September 2006. E-763924 N-6113636

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Particulates - Deposited Matter	grams per square metre per month	12	12	0.3	4.45	32.7

Dust Deposition Monitoring, Dust Deposition Gauge labelled as Dust 4 on Map No. 10246/5 in the Report on Completion of Scheduled Development Works, dated September 2006. E-764364 N-6114144

Pollutant	Unit of measure	No. of samples required *	No. of samples collected and analysed *	Lowest sample value *	Mean of sample *	Highest sample value *
Methane	percent by volume	4	1	0.1	0.1	0.1

Landfill Gas Monitoring, Locations on the surface on the landfilled waste (30m x 30m grid). E-763859 N-6113789