

**Monksland Wastewater Treatment Plant - Sampling Results 2009 - 2010**

EntityName	SamplePurpose	Sample Date	Ammonia	BOD	Chemical Oxygen Demand	Conductivity @ 20°C	Conductivity @ 25°C	Flow	Fluoride	Mixed Liquor Suspended Solids	Nitrates NO3-N	Nitrites NO2-N	Ortho-phosphate (PO4-P)	pH	Sulphate	Suspended Solids	Temperature	Total Nitrogen	Total Oxidised Nitrogen (N)	Total Phosphate
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	22/01/2009	0.049	2.64	40	1865	1765	0.2		16.747	0.008	0.641	7.1	80.23	18	8.2		16.755	0.756
Monksland STP	Influent	Discharge Monitoring - TP Influent	22/01/2009	1.018	350	695		2111			<0.006	RNV	NT	8.36		165			<0.007	4.98
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	22/01/2009							4676				7.15						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	10/02/2009	0.096	3.62	30	1616	1688	0.13		15.463	0.063	0.581	7.53		9	7.2		15.526	0.611
Monksland STP	Influent	Discharge Monitoring - TP Influent	10/02/2009	18.65	334	740		1941			<0.006	0.016	2.17	7.67		132			0.008	3.37
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	10/02/2009							3900				7.36						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	03/03/2009	0.153	15	68	1748	1933	0.102		31.004	0.006	0.95	7.79	73.75	27	8.5		31.01	1.33
Monksland STP	Influent	Discharge Monitoring - TP Influent	03/03/2009	25.94	317	970		1492			<0.006	0.021	3.14	7.87		211			0.015	6.21
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	03/03/2009							1860				7.38						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	28/04/2009	0.067	3.51	43		2130	AR	0.222	19.347	0.001	3.06	7.31	82.17	13	10.5		19.348	3.24
Monksland STP	Influent	Discharge Monitoring - TP Influent	28/04/2009	16.43	268	737		1883			<0.006	RNV	3.259	7.93		150			<0.007	5.11
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	28/04/2009							2908				7.17						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	28/05/2009	0.845	1.38	60		2270	1261	0.157	12.408	0.039	3.59	7.52	38.67	6			12.447	3.76
Monksland STP	Influent	Discharge Monitoring - TP Influent	28/05/2009	25.34	368	854		1560			<0.006	0.016	4.2	7.47		235			<0.007	7.72
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	28/05/2009							3496				7.15						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	25/06/2009	2.6	6.48	85		2490	1121	0.13	5.93	0.115	4.97	7.67	73.35	14			6.045	5.98
Monksland STP	Influent	Discharge Monitoring - TP Influent	25/06/2009	25.07	424	1022		1248			0.032	0.018	5.72	7.64		153			0.036	7.37
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	25/06/2009							3964				7.59						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	29/07/2009	3.32	4.06	3		1820	1221	0.237	4.9	0.069	1.92	7.79	27.03	13			4.97	2.25
Monksland STP	Influent	Discharge Monitoring - TP Influent	29/07/2009	26.4	340	892		1410			<0.032	RNV	7.73	7.33		238			<0.036	12
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	29/07/2009							3344				7.29						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	27/08/2009	23.14	7.97	76.8		2080	0.224		<0.032	0.01	4.07	7.99	51.11	29			0.04	3.72
Monksland STP	Influent	Discharge Monitoring - TP Influent	27/08/2009	22.53	493	1031					<0.032	0.015	3.64	7.5		113			<0.036	4.06
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	27/08/2009							2704				7.51						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	24/09/2009	21.89	54	RNV		2530	RNV		0.237	0.013	4.25	7.78	36.07	53.5			0.25	5.43
Monksland STP	Influent	Discharge Monitoring - TP Influent	24/09/2009	26.38	553	1179		1809			<0.032	0.024	3.58	7.32		217			<0.036	1.59
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	24/09/2009							3180				7.54						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	20/10/2009	36.53	RNV	1528		2520	1183	RNV	RNV	<0.004	4.41	7.57	40.76	104.7		195	<0.036	29.6
Monksland STP	Influent	Discharge Monitoring - TP Influent	20/10/2009	27.66	559	3.1		1375			<0.032	0.012	3.39	7.84		382			<0.036	7.49
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	20/10/2009							3008				7.58						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	26/11/2009	0.171	114	204		3154	0.0338		2.003	0.092	0.12	7.7	5.64	184			2.095	1.94
Monksland STP	Influent	Discharge Monitoring - TP Influent	26/11/2009	9.9	180	427		3855			0.118	1.361	1.88	7.73		194			1.479	4.21
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	26/11/2009							1792				7.41						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	09/12/2009	0.01	3.7	49.7		1563	0.1333		1.055	0.126	0.01	7.49	33.48	4.5		9.51	1.181	0.106
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	17/12/2009	4.46	4.34	51.8		1066	0.132		14.441	0.617	0.081	7.17	36.51	21			15.058	0.277
Monksland STP	Influent	Discharge Monitoring - TP Influent	17/12/2009	27.59	488	967		1391			<0.032	0.012	5.68	7.2		169.3			<0.036	7.9
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	17/12/2009							1012				7.08						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	26/01/2010	0.163	3.11	47			0.1128		18.641	0.1	0.213	7.55	48.54	19	9		18.741	0.397
Monksland STP	Influent	Discharge Monitoring - TP Influent	26/01/2010	35.81	453.75	1006		1202			<0.032	0.029	4.61	7.52		267			0.048	8.97
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	26/01/2010							4068				7.09						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	16/02/2010	0.587	8	45		2310	1330				0.098	7.85		36		25.7		0.228
Monksland STP	Influent	Discharge Monitoring - TP Influent	16/02/2010	31.43	12	831		1413					9.87	7.81		183				13.04
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	16/02/2010							4656				7.51						
Monksland STP	Effluent	Discharge Monitoring - TP Effluent	10/03/2010	0.185	2.07	51		2410	1098				0.32	7.46		9				0.455
Monksland STP	Influent	Discharge Monitoring - TP Influent	10/03/2010	29.97	631	1161		1281					3.72	7.59		332				8.59
Monksland STP	MLSS	Discharge Monitoring - TP Mixed Liquor	10/03/2010							4120				7.14						

Exceedances Highlighted in Red