

SWARTLAND MUNICIPALITY: COMPLIANCE SAMPLE RESULTS OF FINAL EFFLUENT FOR 2018-2019

	WWTW	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	No of Samples	No of Samples Complying	% Compliance	Requirement
pH	Malmesbury	7.42	7.44		6.99	7.26	6.81	7.23	7.83	7.44	7.09	7.33	7.44	11	10	90.9%	5.5 - 7.5 Licence Discharge
														11	11	100.0%	5.5 - 9.5 Licence Irrigation
	Darling	7.77	7.61	7.82	7.64	7.71	7.55	11.97	8.02	8.05	8.74	7.84	7.78	12	11	91.7%	5.5 - 9.5 General Limit
	Moorreesburg	7.30	7.15	7.36	7.22	8.05	8.00	7.60	7.74	7.42	7.30	7.35	7.14	12	12	100.0%	5.5 - 9.5 General Limit
	Koringberg	7.49	7.32	7.62		7.34		6.98	7.28	7.14	7.42	7.24	7.28	10	10	100.0%	5.5 - 9.5 General Limit
	Chatsworth	7.25	7.11		7.06	7.20		7.37	7.05	7.69	7.27	7.55	7.67	10	10	100.0%	5.5 - 9.5 General Limit
	Kalbaskraal	7.18	7.10		6.96	7.19		7.12	7.02	7.49	7.57	7.50	7.27	10	10	100.0%	6 - 9 for irrigation up to 0.5 Ml/d
	Riebeek Valley	7.31	7.70	7.43	7.31	7.25	5.76	7.78	7.68	7.49	7.41	7.23	7.26	12	12	100.0%	5.5 - 9.5 General Limit
COD - filtered (mg/l)	Malmesbury	25.60	36.00		36.20	30.90	26.50	30.10	34.30	41.60	47.30	23.50	51.80	11	11	100.0%	75 Licence Discharge
														11	11	100.0%	75 Licence Irrigation
	Darling	8.00	51.50	61.70	56.00	59.40	86.20	65.20	48.10	49.50	56.90	50.70	47.70	12	11	91.7%	75 General Limit
	Moorreesburg	96.30	82.40	79.00	90.50	108.00	93.70	105.00	67.50	70.80	73.80	56.00	58.60	12	5	41.7%	75 General Limit
	Koringberg	455.00	817.00	485.00		735.00		1573.00	1206.00	1047.00	842.00	731.00	615.00	10	0	0.0%	75 General Limit
	Chatsworth	221.00	152.00		180.00	214.00		106.00	148.00	126.00	152.00	97.20	224.00	10	0	0.0%	75 General Limit
	Kalbaskraal	260.00	345.00		888.00	187.00		1019.00	696.00	624.00	518.00	580.00	509.00	10	3	30.0%	400 for irrigation up to 0.5 Ml/d
	Riebeek Valley	39.80	36.00	25.90	46.10	47.30	43.50	46.30	41.40	47.90	47.50	32.50	36.40	12	12	100.0%	75 General Limit
TSS (mg/l)	Malmesbury	7	4		4	9	6	4	6	4	4	4	8	11	11	100.0%	10 Licence Discharge
														11	11	100.0%	10 Licence Irrigation
	Darling	10	21	25	69	27	40	33	17	8	13	12	15	12	8	66.7%	25 General Limit
	Moorreesburg	25	5	24	18	21	31		26	17	12	11	13	11	9	81.8%	25 General Limit
	Koringberg	521	1355	410		626		1660	955	1033	1370	657	651	10	0	0.0%	25 General Limit
	Chatsworth	285	212		78	126		49	17	15	34	37	103	10	2	20.0%	25 General Limit
	Kalbaskraal	250	460		608	119		543	385	328	292	606	394	10	0	0.0%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	6	4	7	9	8	33	18	6	4	4	8	5	12	11	91.7%	25 General Limit
Ammonia (mg/l)	Malmesbury	0.16	0.10		1.40	0.10	0.10	0.10	0.23	0.10	1.50	1.60	0.19	11	11	100.0%	6 Licence Discharge
														11	11	100.0%	6 Licence Irrigation
	Darling	0.14	23.50	42.10	10.70	8.60	34.60	0.10	21.40	0.10	0.10	5.60	1.30	12	6	50.0%	6 General Limit
	Moorreesburg	26.80	18.60	14.50	29.00	94.70	91.30	98.50	34.30	23.30	18.10	17.50	30.40	12	0	0.0%	6 General Limit
	Koringberg	127.00	153.00	128.00		117.00		88.80	92.20	105.00	91.80	118.00	150.00	10	0	0.0%	6 General Limit
	Chatsworth	27.70	51.00		78.50	60.90		1.20	18.10	50.90	42.90	72.80	94.10	10	1	10.0%	6 General Limit
	Kalbaskraal	48.10	87.20		105.00	61.60		67.70	36.40	63.60	56.20	77.80	71.60	10	0	0.0%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	0.10	0.41	0.77	0.10	0.15	0.42	1.70	0.80	0.28	0.10	4.60	0.84	12	12	100.0%	6 General Limit
Faecal Coliforms (org/100ml)	Malmesbury	0	6		0	20	0	13	18	0	1	1	3	11	11	100.0%	1 000 General Limit
														11	11	100.0%	1 000 General Limit
	Darling	116	0	1414	0	0	42	326	2419	980	0	79		11	9	81.8%	1 000 General Limit
	Moorreesburg	2419	90	79	2419	2419	2419	1986	2419	1046	261	7	2	12	5	41.7%	1 000 General Limit
	Koringberg	2419	2419	2419		2419		2419	2419	2419	2419	2419	2419	10	0	0.0%	1 000 General Limit
	Chatsworth	2419	866		2419	2419		308	365	187	330	90	1553	10	6	60.0%	1 000 General Limit
	Kalbaskraal	2419	2419		2419	1414		2419	2419	2419	2419	2419	2419	10	10	100.0%	< 100 000 for irrigation up to 0.5 Ml/d
	Riebeek Valley	20	921	0	756	1986	1	1986	186	261	2	46	61	12	10	83.3%	1 000 General Limit
Conductivity	Malmesbury	142.00	144.0		135.0	121.0	129.0	113.0	123.0	125.0	114.0	103.0	129.0	11	11	100.0%	75 mS/m above intake Licence Discharge
														11	11	100.0%	75 mS/m above intake Licence Irrigation
	Darling	70.50	131.0	159.0	128.0	111.0	132.0	225.0	111.0	110.0	106.0	98.5		11	9	81.8%	Max 150 General Limit
	Moorreesburg	215.00	245.0	220.0	235.0	220.0	225.0	205.0	152.0	133.0	136.0	146.0	147.0	12	4	33.3%	Max 150 General Limit
	Koringberg	210.00	345.0	325.0		330.0		220.0	204.0	219.0	211.0	226.0	240.0	10	0	0.0%	Max 150 General Limit
	Chatsworth	152.00	146.0		174.0	157.0		166.0	156.0	149.0	147.0	155.0	154.0	10	3	30.0%	Max 150 General Limit
	Kalbaskraal	140.00	178.0		213.0	187.0		217.0	230.0	215.0	200.0	184.0	182.0	10	6	60.0%	200 for irrigation up to 0.5 Ml/d
	Riebeek Valley	115.00	109.0	106.0	102.0	97.1	92.5	92.0	83.5	91.5	87.5	95.0	89.5	12	12	100.0%	Max 150 General Limit
Nitrate Nitrogen	Malmesbury	10.60	14.00		2.50	11.90	7.40	11.60	11.40	10.90	16.20	12.40	14.10	11	10	90.9%	10 Licence Discharge
														11	10	90.9%	10 Licence Irrigation
	Darling	1.40	0.20	0.20	0.20	0.34	0.21	1.80	0.20	3.60	4.10	4.90	1.60	12	12	100.0%	15 General Limit
	Moorreesburg	22.90	54.30	30.00	6.70	0.23	0.20	0.20	2.70	0.20	9.90	13.70	24.30	12	8	66.7%	15 General Limit
	Koringberg	0.20	0.20	0.20		0.95		0.94	0.20	0.20	0.20	0.49	0.20	10	10	100.0%	15 General Limit
	Chatsworth	0.20	0.32		1.10	0.20		0.20	0.20	0.20	0.20	0.62	0.20	10	10	100.0%	15 General Limit
	Kalbaskraal	0.20	0.20		1.40	0.23		0.98	0.20	0.20	0.20	0.20	0.20	10	10	100.0%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	12.90	5.40	4.40	1.60	3.60	1.60	3.80	3.80	1.30	3.80	3.40	5.60	12	12	100.0%	15 General Limit
Nitrite Nitrogen	Malmesbury	0.20	0.20		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	11	11	100.0%	
	Darling	0.20	0.20	0.20	0.20	0.20	0.20	0.98	0.20	0.20	0.20	0.20	0.20	11	11	100.0%	
	Moorreesburg	1.50	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	12	12	100.0%	
	Koringberg	0.20	0.20	0.20		0.20		0.20	0.20	0.20	0.20	0.20	0.20	10	10	100.0%	
	Chatsworth	0.20	0.20		0.88	0.20		0.20	0.20	0.20	0.20	0.20	0.20	10	10	100.0%	
	Kalbaskraal	0.20	0.20		0.55	0.20		0.20	0.20	0.20	0.20	0.20	0.20	10	10	100.0%	
	Riebeek Valley	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	12	12	100.0%	
Ortho Phosphate	Malmesbury	0.10	0.10		0.86	0.10	0.10	2.70	0.30	2.00	8.40	0.39	0.23	11	10	90.9%	5 Licence Discharge
														11	10	90.9%	5 Licence Irrigation
	Darling	0.13	0.77	1.60	0.58	0.64	1.70	0.18	1.20	0.10	0.33	1.60	2.50	12	12	100.0%	10 General Limit
	Moorreesburg		9.70	9.10	16.00	13.40	14.30	13.20	11.30	16.80	13.50	16.40	10.70	11	2	18.2%	10 General Limit
	Koringberg	11.10	13.70	16.60		25.70		15.30	13.20	15.20	14.30	18.30	14.80	10	0	0.0%	10 General Limit
	Chatsworth	6.60	7.00		12.50	14.40		14.80	22.70	19.20	20.50	19.60	13.70	10	2	20.0%	10 General Limit
	Kalbaskraal	6.20	3.20		20.60	19.60		30.10	28.20	19.50	22.10	8.90	14.90	10	3	30.0%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	6.00	1.40	3.40	1.90	1.40	11.50	15.10	2.90	4.90	4.10	9.60	6.40	12	10	83.3%	10 General Limit