

SWARTLAND MUNICIPALITY: COMPLIANCE SAMPLE RESULTS OF FINAL EFFLUENT FOR 2016-2017

	WWTW	Year												No of Samples	No of Samples Complying	% Compliance	Requirement
		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17				
pH	Malmesbury	7.39	7.26	6.71	6.79	7.17	7.35	6.80	7.27	7.86	7.13	7.26	7.11	12	12	100.0%	5.5 - 9.5 General Limit
	Darling	7.90	7.44	7.61	7.40	7.68	6.02	7.05	7.87	7.78	7.64	7.53	7.67	12	12	100.0%	5.5 - 9.5 General Limit
	Moorreesburg	6.97	7.55	7.39	7.77	8.15	8.27	7.72	8.02	8.50	7.60	7.43	7.80	12	12	100.0%	5.5 - 9.5 General Limit
	Koringberg	6.87	7.51	7.14	7.26	7.70	6.88	6.99	6.97	6.86	7.20	7.37	6.95	12	12	100.0%	5.5 - 9.5 General Limit
	Chatsworth	7.62	7.21	6.72	7.25	7.01	6.82	7.20	7.03	7.76	7.50	7.10	7.12	12	12	100.0%	5.5 - 9.5 General Limit
	Kalbaskraal	7.55	7.56	6.64	7.01	7.12	6.79	7.10	7.16	7.25	7.10	6.96	7.11	12	12	100.0%	6 - 9 for irrigation up to 0.5 Ml/d
	Riebeek Valley	7.33	7.24	7.31	7.42	7.28	7.59	7.36	7.70	6.97	7.17	7.30	7.30	12	12	100.0%	5.5 - 9.5 General Limit
COD (mg/l)	Malmesbury	28.50	17.40	26.80	34.20	23.70	20.40	24.60	23.70	30.20	22.10	29.60	33.10	12	12	100.0%	75 General Limit
	Darling	18.80	33.30	31.90	38.20	29.30	111.00	37.30	22.90	31.00	25.20	33.30	24.10	12	11	91.7%	75 General Limit
	Moorreesburg	57.40	47.70	49.20	64.10	77.10	91.40	70.90	55.30	64.80	33.50	57.70	58.40	12	10	83.3%	75 General Limit
	Koringberg	396.00	328.00	487.00	532.00	432.00	496.00	359.00	379.00	445.00	541.00	618.00	686.00	12	0	0.0%	75 General Limit
	Chatsworth	147.00	182.00	156.00	125.00	118.00	132.00	109.00	268.00	290.00	435.00	251.00	111.00	12	0	0.0%	75 General Limit
	Kalbaskraal	372.00	354.00	271.00	275.00	222.00	568.00	539.00	333.00	725.00	950.00	933.00	822.00	12	6	50.0%	400 for irrigation up to 0.5 Ml/d
	Riebeek Valley	20.20	12.40	16.10	31.40	27.60	42.90	30.50	22.10	35.00	25.60	35.70	19.30	12	12	100.0%	75 General Limit
TSS (mg/l)	Malmesbury	4.00	4.00	8.00	5.00	6.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	12	12	100.0%	25 General Limit
	Darling	89.00	174.00	9.00	19.00	22.00	51.00	28.00	8.00	36.00	22.00	28.00	18.00	12	6	50.0%	25 General Limit
	Moorreesburg	7.00	4.00	9.00	17.00	17.00	42.00	6.00	11.00	8.00	4.00	12.00	10.00	12	11	91.7%	25 General Limit
	Koringberg	560.00	289.00	260.00	424.00	2248.00	313.00	1560.00	507.00	512.00	976.00	456.00	576.00	12	0	0.0%	25 General Limit
	Chatsworth	76.00	128.00	24.00	19.00	31.00	108.00	12.00	97.00	64.00	106.00	188.00	38.00	12	3	25.0%	25 General Limit
	Kalbaskraal	200.00	361.00	100.00	173.00	134.00	336.00	389.00	342.00	204.00	1120.00	240.00	432.00	12	0	0.0%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	6.00	4.00	4.00	10.00	14.00	14.00	4.00	8.00	4.00	4.00	9.00	8.00	12	12	100.0%	25 General Limit
Ammonia (mg/l)	Malmesbury	5.20	0.10	0.29	4.10	5.20	2.70	0.17	0.45	6.20	4.10	0.41	0.10	12	11	91.7%	6 General Limit
	Darling	5.60	2.60	1.40	0.28	0.31	0.41	0.77	0.29	1.10	0.34	0.85	0.88	12	12	100.0%	6 General Limit
	Moorreesburg	17.90	7.50	15.40	25.20	61.30	64.90	75.70	99.20	72.00	12.50	21.80	17.60	12	0	0.0%	6 General Limit
	Koringberg	97.30	98.80	109.00	110.00	110.00	94.20	86.40	78.50	59.90	46.30	89.30	91.70	12	0	0.0%	6 General Limit
	Chatsworth	55.70	63.40	77.50	64.60	58.30	35.00	29.70	59.70	33.50	0.10	86.80	51.10	12	1	8.3%	6 General Limit
	Kalbaskraal	57.60	61.50	57.20	50.10	19.60	48.10	33.70	15.30	45.00	33.10	15.10	69.60	12	0	0.0%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	1.30	0.10	1.00	1.40	0.68	9.70	0.14	0.88	1.40	0.25	0.93	0.10	12	11	91.7%	6 General Limit
Faecal Coliforms (org/100ml)	Malmesbury	411.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.00	0.00	0.00	0.00	12	12	100.0%	1 000 General Limit
	Darling	2419.00	2419.00	0.00	0.00	0.00	0.00	2419.00	0.00	113.00	1986.00	1011.00	2419.00	12	6	50.0%	1 000 General Limit
	Moorreesburg	0.00	0.00	0.00	0.00	0.00	0.00	201.00	0.00	0.00	0.00	0.00	0.00	12	12	100.0%	1 000 General Limit
	Koringberg	2419.00	2419.00	0.00	2419.00	2419.00	2419.00	2419.00	0.00	2419.00	2419.00	2419.00	2419.00	11	1	9.1%	1 000 General Limit
	Chatsworth	308.00	388.00	0.00	1.00	0.00	0.00	1.00	2419.00	727.00	241.00	2419.00	914.00	12	10	83.3%	1 000 General Limit
	Kalbaskraal	2419.00	1986.00	0.00	40.00	2419.00	2419.00	2419.00	2419.00	2419.00	2419.00	2419.00	2419.00	12	12	100.0%	< 100 000 for irrigation up to 0.5 Ml/d
	Riebeek Valley	102.00	0.00	0.00	58.00	0.00	304.00	0.00	0.00	110.00	0.00	0.00	0.00	12	12	100.0%	1 000 General Limit
Conductivity	Malmesbury	132.00	124.00	138.00	133.00	125.00	124.00	114.00	121.00	105.00	112.00	130.00	102.00	12	12	100.0%	Max 150 General Limit
	Darling	120.00	102.00	106.00	103.00	101.00	108.00	97.50	102.00	90.50	101.00	106.00	101.00	12	12	100.0%	Max 150 General Limit
	Moorreesburg	184.00	191.00	240.00	220.00	280.00	250.00	206.00	190.00	154.00	116.00	134.00	133.00	12	3	25.0%	Max 150 General Limit
	Koringberg	184.00	209.00	230.00	290.00	355.00	450.00	285.00	197.00	186.00	197.00	192.00	192.00	12	0	0.0%	Max 150 General Limit
	Chatsworth	134.00	133.00	140.00	149.00	153.00	140.00	132.00	137.00	145.00	235.00	148.00	156.00	12	9	75.0%	Max 150 General Limit
	Kalbaskraal	146.00	134.00	126.00	125.00	120.00	148.00	196.00	134.00	163.00	159.00	160.00	162.00	12	12	100.0%	200 for irrigation up to 0.5 Ml/d
	Riebeek Valley	99.50	84.00	99.50	94.50	92.00	85.00	82.50	84.00	76.50	84.00	86.00	83.00	12	12	100.0%	Max 150 General Limit
Nitrate Nitrogen	Malmesbury	3.10	10.20	0.20	0.20	4.70	6.00	16.00	15.60	1.20	7.40	12.20	13.40	12	10	83.3%	15 General Limit
	Darling	0.53	19.10	2.60	1.50	0.79	0.63	1.50	1.70	0.20	2.40	6.60	2.80	12	11	91.7%	15 General Limit
	Moorreesburg	32.40	16.10	0.20	3.50	0.20	0.20	0.20	0.20	1.20	0.20	23.60	0.20	12	9	75.0%	15 General Limit
	Koringberg	0.20	0.20	0.20	0.57	0.20	0.20	0.20	0.20	2.70	0.20	0.20	0.20	12	12	100.0%	15 General Limit
	Chatsworth	0.63	0.43	0.23	0.20	0.20	0.20	0.20	0.20	0.90	0.20	0.20	0.20	12	12	100.0%	15 General Limit
	Kalbaskraal	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	2.30	0.20	0.20	0.20	12	12	100.0%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	3.50	3.50	3.60	2.00	5.70	1.10	1.40	4.80	5.80	4.50	4.70	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	0.25	0.45	0.20				
	Darling	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.22	0.20	0.20	0.20	0.20				
	Moorreesburg	0.20	0.28	0.57	0.20	0.20	0.20	0.20	0.20	0.20	0.20	5.20	0.86				
	Koringberg	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20				
	Chatsworth	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.51	0.20	0.20	0.20	0.20				
	Kalbaskraal	0.43	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20				
	Riebeek Valley	0.20	0.20	0.20	0.20	0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.20				
Ortho Phosphate	Malmesbury	2.60	0.57	3.40	4.00	0.27	0.14	12.10	1.10	3.50	5.00	0.72	0.10	12	11	91.7%	10 General Limit
	Darling	2.30	3.90	3.20	0.37	0.54	15.00	1.40	3.00	3.50	0.62	2.90	4.20	12	11	91.7%	10 General Limit
	Moorreesburg	6.30	5.00	6.50	7.80	6.20	9.10	9.00	10.70	9.30	5.20	9.60	10.40	12	10	83.3%	10 General Limit
	Koringberg	6.90	8.60	9.80	12.60	24.50	17.30	23.40	16.20	18.30	16.60	9.10	12.50	12	4	33.3%	10 General Limit
	Chatsworth	6.70	6.80	8.20	8.90	12.30	10.90	9.10	8.50	12.40	1.50	8.10	12.50	12	8	66.7%	10 General Limit
	Kalbaskraal	0.10	0.21	7.50	10.80	9.40	13.80	19.70	9.50	14.10	6.40	6.90	8.20	12	8	66.7%	N/A for irrigation up to 0.5 Ml/d
	Riebeek Valley	7.60	4.20	2.80	3.50	11.10	4.10	0.86	8.00	3.30	0.91	1.00	2.80	12	11	91.7%	10 General Limit