

Water Quality of Final Effluent :Waste Water Treatment Works: Klip River Catchment

Sample Point	Quarter	Flow Ml/day	Element							
			pH	mS/M	Conductivity	COD mg/l	N-NH4 mg/l	N-NOx mg/l	P-PO4 mg/l	solids mg/l
Dekema	1	29.06	7.55	59	42.35	4.60	3.53	0.20	11	280
	2	33.10	7.72	48	29.76	2.52	2.74	0.29	11	1298
	3	30.84	7.36	40	21.20	1.34	3.46	0.24	10	3783
	4	29.57	7.39	57	38.96	2.81	4.17	0.28	12	2736
Rondebult	1	7.51	6.78	78	12.91	5.05	9.37	0.21	10	185
	2	10.99	7.69	82	19.78	0.82	6.02	0.39	11	10498
	3	13.27	7.36	60	21.93	0.62	4.96	0.32	10	7600
	4	12.36	7.40	81	32.26	2.14	5.96	0.61	14	5204
Vlakplaats	1	89.29	7.44	83	30.97	16.24	3.10	0.11	10	8
	2	93.55	7.63	74	33.54	10.60	2.74	0.11	5	41
	3	104.09	7.26	68	31.67	7.34	2.63	0.11	10	2871
	4	90.39	7.31	70	27.54	8.85	2.21	0.11	5	29
Waterval	1	213.41	7.54	79	30.32	1.75	4.23	0.14	11	47
	2	199.00	7.72	83	29.12	1.51	4.94	0.14	10	54
	3	190.00	7.30	73	26.67	0.27	5.00	0.23	10	190
	4	183.00	7.33	77	34.00	0.73	4.00	0.17	12	111

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Rondebult:

E.coli : Pump controllers failed and blockages on the pump lines.

Vlakplaats:

NH4 :Plant is operating above design capacity. Awaiting funding to create capacity.
 E.Coli : Insufficient product on site. Failure of service provider.

Dekema:

E.coli : blockages on pump line

Not complying to effluent standards.