

## EPA Monitoring Results - previous four years

EPA Point 3: Clean Water Discharge

EPA Point 4: Dewatering Trench

EPA Point 5: Soil Utilisation Area

\*Note: EPA Point 1 - not constructed; EPA Point 2 - no monitoring requirement

Point 3	12/13	13/14	14/15	15/16
Ammonia	4.7	222	181	54
BOD (x10)	0.2	16.1	0.1	1.12
Calcium	24	50	79.1	64.8
Conductivity (x10)	48.6	38.8	36.9	24.4
Magnesium	10.8	14.2	15.7	12.4
Nitrate	0.6	1	1.9	0.1
Oil & Grease	1	478	7	16
Phosphorus (total)	2.67	36.1	11.3	17.2
Potassium	18.7	216	256	149
Sodium	2	166	272	200
Sodium Adsorption Ratio	41.2	5	7	6
Total Kjeldahl Nitrogen	6	280	190	120
Total suspended solids (x10)	2.8	92	9	2.56
pH	7.7	7.5	8.7	7.4

Point 4	12/13	13/14	14/15	15/16
Ammonia	0	3	0.3	0
BOD	0	7	4	0
Calcium	0	2.71	2.16	0
Conductivity (x10)	0	47.8	17	0
Magnesium	0	5.44	5.06	0
Nitrate	0	0.7	0.8	0
Oil & Grease	0	6	3	0
Phosphorus (total)	0	1.71	0.52	0
Potassium	0	11.2	7	0
Sodium	0	62.4	44.1	0
Sodium Adsorption Ratio	0	5	4	0
Total Kjeldahl Nitrogen	0	8	3	0
Total suspended solids	0	16.7	60	0
pH	0	7.6	7.7	0

Point 5	12/13	12/13 Deep	13/14	14/15	15/16	15/16 Deep
Available phosphorus	19	17	28	23	20	7.5
Cation Exchange Capacity	7	11	6	9	6	11
Conductivity	0.06	0.19	100	123	92	118
Exchangeable aluminium	0.02	0.02	0.15	0.02	0.06	0.04
Exchangeable calcium	2.96	3.12	2.31	4.62	1.14	2.05
Exchangeable magnesium	2.96	5.79	2.62	2.92	3.98	7.77
Exchangeable potassium	0.76	0.37	0.5	0.63	0.57	0.2
Exchangeable sodium	0.038	1.73	0.39	0.29	0.61	1.41
Exchangeable sodium percentage	5.4	15.7	6.5	3.3	9.6	12.3
Nitrate	3	27	1	0.8	<1	<1
Nitrogen (total) (x10)	9.82	5.1	83.1	44	69	25.9
Organic carbon	16	8.8	1.99	2	1.64	0.3976
Phosphorus	170	88	174	227	92	<2
Phosphorus Buffer Index	69	47	52	40	80	38
Phosphorus Sorption Capacity (x10)					40.8	22.5
pH	4.8	4.9	5.2	5.7	6.1	6.3