

2019-20 Effluent Discharge Sampling Results

Sample ID	Sample Location Refer map titled "SAMPLING POINTS NYNGAN REUSE SCHEME"	Sampling Date	Sampling frequency	Biochemical oxygen demand	Nitrogen (total)	Oil and grease	Phosphorous (total)	Total suspended solids	Amonia as N	Faecal Coliforms (CFU- Colony forming units/100 mL) NBO - Noted Background Organism	pH (Field)
EDP1	Effluent reuse pond	Environment Protection		0-30 mg/L	0-15 mg/L	0-10 mg/L	0-10 mg/L	0-30 mg/L	5 mg/L	200 CFU/100 mL	6.5-8.5
		24-Jun-19	Quarterly	200	6.6	<5	3.6	41	1.2	<10 NBO	8.7
		10-Feb-21	Quarterly	<5	2.6	<5	1.4	54	0.065	<100 NBO	9.4
			Minimum	200.0	2.6	0.0	1.4	41.0	0.1	0.0	8.7
			Maximum	200.0	6.6	0.0	3.6	54.0	1.2	0.0	9.4
			Average	200.0	4.6	0.0	2.5	47.5	0.6	0.0	9.1
		Total number of scheduled samples				4	4	4	4	4	4
Total number of complying samples				1	2	2	2	0	2	0.0	
90th percentile concentration limits				25%	50%	50%	50%	0%	50%	50%	0%
50th Percentile limit is considered for overall result				50%							

2020-21 Effluent Discharge Sampling Results

Sample ID	Sample Location Refer map titled "SAMPLING POINTS NYNGAN REUSE SCHEME"	Sampling Date	Sampling frequency	Biochemical oxygen demand	Nitrogen (total)	Oil and grease	Phosphorous (total)	Total suspended solids	Amonia as N	Faecal Coliforms (CFU- Colony forming units/100 mL) NBO - Noted Background Organism	pH (Field)
EDP1	Effluent reuse pond	Environment Protection		0-30 mg/L	0-15 mg/L	0-10 mg/L	0-10 mg/L	0-30 mg/L	5 mg/L	200 CFU/100 mL	6.5-8.5
		10-Feb-21	Quarterly	<5	2.6	<5	1.4	54	0.065	<100 NBO	9.4
		04-May-21	Quarterly	<5	2.1	<5	2	32	<0.005	100 A NBO	9.5
		13-Jul-21	Quarterly	8	2.1	<5	2.1	20	<0.005	<20	9.2
		19-Oct-21	Quarterly	<5	1.8	<5	1.9	42	<0.005	1 A NBO	9.8
			Minimum	8.0	2.1	0.0	1.4	20.0	0.1	0.0	9.2
			Maximum	8.0	2.6	0.0	2.1	54.0	0.1	0.0	9.5
			Average	8.0	2.3	0.0	1.8	35.3	0.1	0.0	9.4
Total number of scheduled samples			4	4	4	4	4	4	4	4	
Total number of complying samples			4	4	4	4	1	4	4	0	
90th percentile concentration limits			100%	100%	100%	100%	25%	100%	100%	0%	
50th Percentile limit is considered for overall result				100%							

2021-22 Effluent Discharge Sampling Results

Sample ID	Sample Location Refer map titled "SAMPLING POINTS NYNGAN REUSE SCHEME"	Sampling Date	Sampling frequency	Biochemical oxygen demand	Nitrogen (total)	Oil and grease	Phosphorous (total)	Total suspended solids	Amonia as N	Faecal Coliforms (CFU- Colony forming units/100 mL) NBO - Noted Background Organism	pH (Field)
EDP1	Effluent reuse pond	Environment Protection		0-30 mg/L	0-15 mg/L	0-10 mg/L	0-10 mg/L	0-30 mg/L	5 mg/L	200 CFU/100 mL	6.5-8.5
		13-Jul-21	Quarterly	8	2.1	<5	2.1	20	<0.005	<20	9.2
		19-Oct-21	Quarterly	<5	1.8	<5	1.9	42	<0.005	1 A NBO	9.8
		07-Mar-22	Quarterly	25	8.5	<5	2.7	130	0.2	220 MPN/100mL	8.8
		18-Jul-22	Quarterly	11	4.1	<5	4.9	41	1.2	20A NBO	8.1
			Minimum	8.0	1.8	0.0	1.9	20.0	0.2	0.0	8.1
			Maximum	25.0	8.5	0.0	4.9	130.0	1.2	0.0	9.8
			Average	14.7	4.1	0.0	2.9	58.3	0.7	0.0	9.0
Total number of scheduled samples				4	4	4	4	4	4	4	
Total number of complying samples				4	4	4	4	1	4	1	
90th percentile concentration limits				100%	100%	100%	100%	25%	100%	75%	25%
50th Percentile limit is considered for overall result				100%							

2024-25 Effluent Discharge Sampling Results

EDP1 - Effluent Reuse Pond - Sampling Results												
	Sampling Date	Sampling frequency	Biochemical oxygen demand	Nitrogen (total)	Oil and grease	Phosphorous (total)	Total suspended solids	Ammonia as N	Faecal Coliforms (CFU-Colony forming units/100 mL)	NBO - Noted Background Organism	pH (field)	
EDP1	Environment Protection Licence 100 th percentile concentration limits			0-30 mg/L	0-15 mg/L	0-10 mg/L	0-10 mg/L	0-30 mg/L	5 mg/L	200 CFU/100 mL	6.5-8.5	
	EIA_SW1 Dam	14-Jan-25	Quarterly	33	5	<5	1.4	300	0.015	<1000	10.3	
		04-Mar-25	Quarterly	23	5.2	<5	0.91	84	0.013	<1000	9.8	
		14-Apr-25	Quarterly	63	12	<5	2.90	110	0.010	230 MPN	9.4	
		18-Jun-25	Quarterly	7	3.7	<5	3.20	28	1.400	<18 MPN	8.4	
			Minimum	7	3.7	<5	0.91	28	0.010	0	8.4	
			Maximum	63	12	<5	3.20	300	1.400	0	10.3	
			Average	31.5	6.5	<5	2.10	131	0.360	0	9.5	
	Total number of scheduled samples			4	4	4	4	4	4	4	4	
	Total number of complying samples			2	4	4	4	1	4	1	1	
	90th percentile concentration limits			50%	100%	100%	100%	25%	100%	25%	25%	
	50th Percentile limit is considered for overall result			75%								