

Sampling Point 1: Influent quality monitoring

Sampling frequency			Monthly									
Date Sampled	Date Obtained	Date Published	BOD mg/L	O&G mg/L	pH pH Unit	TSS mg/L	Manganese mg/L	Faecal Col CFU/100mL	Ammonia mg/L	Total N mg/L	Total P mg/L	
11-Jan-21	18-Jan-21	22-Feb-21	3	< 5	7.8	< 5	0.188	~ 2	0.04	0.70	0.010	
14-Dec-20	22-Dec-20	22-Feb-21	3	< 5	6.8	22	0.092	1	0.02	0.90	0.030	
09-Nov-20	18-Nov-20	25-Nov-20	<2	<5	6.85	<5*	0.193	58	0.1	1.00	0.03	
12-Oct-20	20-Oct-20	25-Nov-20	5	<5	7.07	<5	0.031	<1	0.05	1.10	0.02	
14-Sep-20	21-Sep-20	25-Nov-20	3	45	7.05	6	0.107	~1	0.04	1.20	0.02	
10-Aug-20	20-Aug-20	03-Sep-20	2	< 5	7.1	< 5	0.028	~1	0.03	0.90	0.010	
13-Jul-20	20-Jul-20	03-Sep-20	< 2	< 5	7.7	< 5	0.025	~1	0.04	1.00	< 0.01	
09-Jun-20	16-Jun-20	03-Sep-20	< 2	< 5	7.7	< 5	0.023	~5	0.04	0.80	0.020	
11-May-20	20-May-20	09-Jun-20	< 2	< 5	7.7	8	1.480	~3	0.03	1.00	0.020	
06-Apr-20	15-Apr-20	09-Jun-20	2	< 5	7.7	7	0.071	12	0.5	1.00	0.020	
09-Mar-20	17-Mar-20	07-Apr-20	< 2	< 5	7.5	7	0.067	~3	0.02	1.30	0.060	
10-Feb-20	19-Feb-20	07-Apr-20	< 2	< 5	7.7	8	0.078	14	0.02	0.80	0.030	
13-Jan-20	21-Jan-20	31-Jan-20	< 2	< 5	7.1	6	0.183	~1	0.06	0.70	0.030	
09-Dec-19	18-Dec-19	31-Jan-20	< 2	< 5	7.8	< 5	0.118	< 1	0.01	0.50	0.010	
11-Nov-19	20-Nov-19	31-Jan-20	< 2	< 5	6.8	< 5	0.291	4000	0.02	0.60	0.020	
14-Oct-19	22-Oct-19	31-Jan-20	< 2	< 5	7.7	18	0.086	< 1	0.05	0.50	< 0.01	
09-Sep-19	17-Sep-19	31-Jan-20	< 2	< 5	7.6	< 5	0.111	~3	0.03	0.50	0.010	
07-Aug-19	14-Aug-19	31-Jan-20	< 2	< 5	8.4	12	0.555	< 1	0.05	0.70	0.020	
10-Jul-19	18-Jul-19	26-Jul-19	< 2	< 5	8.0	< 5	0.166	~1	< 0.01	0.40	0.010	
12-Jun-19	20-Jun-19	28-Jun-19	< 2	5	8.0	5	0.073	~3	0.01	0.70	0.010	
08-May-19	16-May-19	30-May-19	< 2	5	7.9	5	0.315	~1	0.01	0.70	0.030	
10-Apr-19	18-Apr-19	29-Apr-19	< 2	< 5	7.9	12	0.471	13	0.08	0.60	0.030	
13-Mar-19	21-Mar-19	27-Mar-19	< 2	< 5	7.0	17	0.742	~3	0.02	0.80	0.030	
20-Feb-19	28-Feb-19	08-Mar-19	< 2	< 5	7.2	18	0.596	~230	0.03	1.00	0.080	
23-Jan-19	01-Feb-19	14-Feb-19	< 2	< 5	7.8	< 5	0.151	~4	< 0.01	0.60	0.030	
18-Dec-18	03-Jan-19	24-Jan-19	5	< 5	7.5	< 5	0.035	< 1	0.02	0.40	< 0.010	
14-Nov-18	22-Nov-18	03-Dec-18	< 2	< 5	7.9	< 5	0.168	~4	0.02	0.80	< 0.010	
10-Oct-18	22-Oct-18	24-Oct-18	< 2	6	7.9	8	0.442	~4	0.04	0.90	0.040	
11-Sep-18	19-Sep-18	21-Sep-18	< 2	< 5	7.4	< 5	0.027	~1	0.01	0.50	< 0.010	
08-Aug-18	15-Aug-18	29-Aug-18	< 2	< 5	7.9	< 5	0.019	~5	< 0.01	0.70	0.030	
09-Jul-18	17-Jul-18	09-Aug-18	< 2	< 3	7.8	< 2	0.007	6	0.01	0.69	0.017	
12-Jun-18	20-Jun-18	09-Aug-18	< 2	< 3	7.6	3	0.069	2	0.01	0.77	0.030	
15-May-18	26-May-18	09-Aug-18	< 2	< 3	7.7	4	0.029	4	0.03	0.67	0.024	
09-Apr-18	19-Apr-18	09-Aug-18	< 2	< 3	7.5	26	0.121	47	0.02	0.82	0.051	
13-Mar-18	22-Mar-18	09-Aug-18	< 2	< 3	7.3	10	0.097	< 1	< 0.01	0.85	0.056	
12-Feb-18	22-Feb-18	09-Aug-18	< 2	< 3	7.4	3	0.046	< 1	0.02	0.58	0.029	
22-Jan-18	02-Feb-18	09-Aug-18	3	< 3	7.2	29	1.250	< 1	0.01	0.87	0.101	
11-Dec-17	28-Dec-17	09-Aug-18	< 2	< 3	7.3	< 2	0.040	5	0.01	0.57	0.020	
13-Nov-17	24-Nov-17	09-Aug-18	< 2	< 3	7.6	5	0.095	< 1	0.01	0.56	0.016	
09-Oct-17	18-Oct-17	09-Aug-18	3	< 3	7.8	9	0.288	1	0.01	0.82	0.047	
11-Sep-17	22-Sep-17	09-Aug-18	< 2	< 3	7.6	4	0.061	< 1	< 0.01	0.71	0.025	
14-Aug-17	23-Aug-17	09-Aug-18	< 2	< 3	7.7	7	0.119	4	0.01	0.82	0.050	
10-Jul-17	19-Jul-17	09-Aug-18	< 2	< 3	7.6	7	0.166	5	< 0.01	0.80	0.034	
13-Jun-17	23-Jun-17	07-Jul-17	< 2	< 3	7.6	< 2	0.026	9	0.01	0.72	0.017	
08-May-17	02-Jun-17	16-Jun-17	< 2	< 3	7.5	6	0.133	5	< 0.01	0.87	0.050	
10-Apr-17	20-Apr-17	04-May-17	< 2	< 3	7.4	7	0.667	2	0.02	0.76	0.030	
13-Mar-17	23-Mar-17	06-Apr-17	2	< 3	7.3	10	0.060	< 1	0.02	0.92	0.062	
13-Feb-17	27-Feb-17	13-Mar-17	< 2	< 3	7.2	3	0.071	1	0.01	0.70	0.036	
16-Jan-17	24-Jan-17	07-Feb-17	< 2	< 3	7.3	4	0.012	< 1	< 0.01	0.73	0.035	
12-Dec-16	21-Dec-16	03-Jan-17	< 2	< 3	6.9	32	0.582	< 1	0.02	1.12	0.117	
14-Nov-16	23-Nov-16	07-Dec-16	< 2	< 3	7.3	< 2	0.145	5	< 0.01	0.82	0.044	
10-Oct-16	20-Oct-16	03-Nov-16	< 2	< 3	7.2	3	0.051	6	0.01	1.07	0.064	
12-Sep-16	20-Sep-16	04-Oct-16	3	< 3	7.2	23	0.192	90	0.02	2.83	0.131	
08-Aug-16	15-Aug-16	01-Sep-16	< 2	< 5	7.4	3	0.012	62	0.02	1.13	0.065	
12-Jul-16	21-Jul-16	29-Jul-16	< 2	< 3	7.5	3	0.025	12	0.02	0.89	0.043	
14-Jun-16	28-Jun-16	06-Jul-16	< 2	< 3	7.8	< 2	0.026	10	0.01	0.72	0.032	
10-May-16	23-May-16	06-Jun-16	< 2	< 3	7.8	< 2	0.059	6	0.01	0.67	0.029	
12-Apr-16	21-Apr-16	05-May-16	< 2	< 3	7.7	< 2	0.080	< 1	< 0.01	0.69	0.033	
14-Mar-16	29-Mar-16	12-Apr-16	< 2	< 3	7.4	3	0.035	< 1	0.02	0.58	0.032	
15-Feb-16	23-Feb-16	08-Mar-16	< 2	< 3	7.5	9	0.681	< 1	0.02	0.87	0.090	
18-Jan-16	27-Jan-16	10-Feb-16	< 2	< 3	8.0	< 2	0.067	4	0.03	0.72	0.052	
14-Dec-15	23-Dec-15	06-Jan-16	< 2	< 3	6.4	< 2	0.015	1	< 0.01	0.58	0.028	
09-Nov-15	20-Nov-15	04-Dec-15	< 2	< 3	7.6	3	0.104	3	0.01	0.62	0.027	
12-Oct-15	23-Oct-15	30-Oct-15	< 2	< 3	6.9	4	0.177	10	0.01	0.69	0.031	
14-Sep-15	15-Sep-15	30-Sep-15	< 2	< 3	7.8	< 2	0.064	< 1	0.01	0.61	0.017	
10-Aug-15	18-Aug-15	02-Sep-15	< 2	< 3	8.0	< 2	0.034	5	< 0.01	0.60	0.015	
13-Jul-15	23-Jul-15	06-Aug-15	< 2	< 3	8.0	2	0.037	2	0.01	0.62	0.022	

15-Jun-15	24-Jun-15	08-Jul-15	< 2	< 3	8.1	< 2	0.016	2	0.01	0.57	0.016
11-May-15	20-May-15	03-Jun-15	< 2	< 3	7.9	< 2	0.015	8	0.02	0.67	0.032
20-Apr-15	04-May-15	18-May-15	< 2	< 3	7.8	3	0.032	3	0.01	0.72	0.042
09-Mar-15	19-Mar-15	02-Apr-15	< 2	< 3	7.9	3	0.096	< 1	0.08	0.87	0.066
09-Feb-15	18-Feb-15	04-Mar-15	< 2	< 3	7.5	5	0.019	1	0.02	0.63	0.048
19-Jan-15	02-Feb-15	16-Feb-15	< 2	< 3	7.4	7	0.385	1	0.04	0.68	0.037

* Sample collected on 16 November 2020

Sampling Point 2: Discharge to waters monitoring

Sampling frequency			Monthly									
Date Sampled	Date Obtained	Date Published	BOD mg/L	O&G mg/L	pH Unit	TSS mg/L	Manganese mg/L	Faecal Col CFU/100mL	Ammonia mg/L	Total N mg/L	Total P mg/L	
100% ile Limits			10	10	6.5 – 8.5	50		200				
11-Jan-21	18-Jan-21	22-Feb-21	12	< 5	7.2	< 5	0.328	~8	0.11	0.50	0.130	
14-Dec-20	22-Dec-20	22-Feb-21	6	< 5	7.0	94*	1.100	19	0.07	1.90	0.110	
09-Nov-20	18-Nov-20	25-Nov-20	4	< 5	7.2	< 5	0.291	~1	0.06	1.00	< 0.01	
12-Oct-20	20-Oct-20	25-Nov-20	4	< 5	7.2	< 5	0.291	~1	0.06	1.00	< 0.1	
14-Sep-20	21-Sep-20	25-Nov-20	< 2	< 5	7.0	6	0.097	< 1	0.1	1.00	< 0.01	
10-Aug-20	20-Aug-20	03-Sep-20	2	< 5	7.2	55	0.598	1	0.08	1.60	0.070	
13-Jul-20	20-Jul-20	03-Sep-20	< 2	< 5	7.7	< 5	0.145	1	0.06	0.70	< 0.01	
09-Jun-20	16-Jun-20	03-Sep-20	2	< 5	7.0	< 5	0.144	1	0.08	0.70	0.020	
11-May-20	20-May-20	09-Jun-20	< 2	< 5	7.1	< 5	0.429	< 1	0.07	0.80	0.010	
06-Apr-20	15-Apr-20	09-Jun-20	< 2	< 5	7.8	7	0.326	~4	0.5	1.10	0.020	
09-Mar-20	17-Mar-20	07-Apr-20	2	< 5	7.8	8	0.452	~66	0.09	1.00	0.010	
10-Feb-20	19-Feb-20	07-Apr-20	31	< 5	7.7	12	1.570	~22	0.24	1.00	< 0.01	
13-Jan-20	21-Jan-20	31-Jan-20	< 2	< 5	7.1	< 5	0.594	~8	0.09	0.60	0.020	
09-Dec-19	18-Dec-19	31-Jan-20	< 2	< 5	7.6	< 5	0.796	11	0.06	0.40	< 0.01	
11-Nov-19	20-Nov-19	31-Jan-20	< 2	< 5	6.6	10	0.341	10	0.07	0.50	< 0.01	
14-Oct-19	22-Oct-19	31-Jan-20	< 2	< 5	7.7	8	0.606	~5	0.1	0.50	< 0.01	
09-Sep-19	17-Sep-19	31-Jan-20	< 2	< 5	7.7	12	0.499	~1	0.06	0.40	< 0.01	
07-Aug-19	14-Aug-19	31-Jan-20	< 2	< 5	7.6	6	0.399	~1	0.05	0.50	< 0.01	
10-Jul-19	18-Jul-19	26-Jul-19	< 2	< 5	8.0	< 5	0.399	~4	0.02	0.30	< 0.01	
12-Jun-19	20-Jun-19	28-Jun-19	2	< 5	8.0	< 5	0.367	~3	0.01	0.40	< 0.010	
08-May-19	16-May-19	30-May-19	< 2	< 5	7.9	< 5	0.246	19	0.01	0.40	< 0.010	
10-Apr-19	18-Apr-19	29-Apr-19	< 2	< 5	8.0	< 5	0.166	24	0.02	0.40	< 0.010	
13-Mar-19	21-Mar-19	27-Mar-19	2	< 5	7.3	< 5	0.111	47	0.06	0.70	< 0.010	
20-Feb-19	28-Feb-19	08-Mar-19	< 2	< 5	7.5	< 5	0.210	~91	0.06	0.80	0.020	
23-Jan-19	01-Feb-19	14-Feb-19	< 2	< 5	7.5	< 5	0.252	38	0.03	0.60	0.020	
18-Dec-18	03-Jan-19	24-Jan-19	4	< 5	7.8	< 5	0.121	10	0.06	0.30	< 0.010	
14-Nov-18	22-Nov-18	03-Dec-18	< 2	< 5	7.9	< 5	0.300	60	0.06	0.50	0.040	
14-Nov-18	22-Nov-18	03-Dec-18	< 2	< 5	7.9	< 5	0.300	60	0.06	0.50	0.040	
10-Oct-18	22-Oct-18	24-Oct-18	< 2	< 5	7.9	< 5	0.220	64	0.12	1.20	0.020	
11-Sep-18	19-Sep-18	21-Sep-18	< 2	< 5	8.0	43	0.234	< 1	0.06	0.80	0.050	
08-Aug-18	15-Aug-18	29-Aug-18	< 2	< 5	7.7	23	0.062	~1	0.02	0.80	0.020	
09-Jul-18	17-Jul-18	09-Aug-18	< 2	< 3	7.8	0	0.059	< 1	0.04	0.61	0.009	
12-Jun-18	20-Jun-18	09-Aug-18	< 2	< 3	7.8	5	0.046	6	0.06	0.68	0.016	
15-May-18	26-May-18	09-Aug-18	< 2	< 3	7.7	3	0.244	15	0.12	0.71	0.016	
09-Apr-18	19-Apr-18	09-Aug-18	< 2	< 3	7.8	11	0.328	22	0.09	0.72	0.019	
13-Mar-18	22-Mar-18	09-Aug-18	< 2	< 3	7.7	3	0.749	15	0.24	0.78	0.018	
12-Feb-18	22-Feb-18	09-Aug-18	< 2	< 3	7.4	7	0.239	13	0.12	0.79	0.032	
22-Jan-18	02-Feb-18	09-Aug-18	2	< 3	7.5	18	0.373	4	0.09	0.90	0.040	
11-Dec-17	28-Dec-17	09-Aug-18	< 2	< 3	7.6	5	0.403	72	0.02	0.54	0.013	
13-Nov-17	24-Nov-17	09-Aug-18	< 2	< 3	7.8	5	0.173	41	0.01	0.52	0.016	
09-Oct-17	18-Oct-17	09-Aug-18	3	< 3	7.9	24	0.232	23	0.04	0.78	0.022	
11-Sep-17	22-Sep-17	09-Aug-18	< 2	< 3	7.8	3	0.061	15	0.02	0.52	0.010	
14-Aug-17	23-Aug-17	09-Aug-18	< 2	< 3	7.7	< 2	0.117	< 1	0.02	0.50	0.008	
10-Jul-17	19-Jul-17	09-Aug-18	< 2	< 3	7.8	3	0.075	< 1	0.01	0.52	0.008	
13-Jun-17	23-Jun-17	07-Jul-17	< 2	< 3	7.8	10	0.113	3	0.02	0.65	0.013	
08-May-17	02-Jun-17	16-Jun-17	4	< 3	7.5	5	1.740	1	0.78	1.34	0.012	
10-Apr-17	20-Apr-17	04-May-17	< 2	< 3	7.7	4	0.177	35	0.03	0.61	0.018	
13-Mar-17	23-Mar-17	06-Apr-17	< 2	< 3	7.7	5	0.137	300	0.05	0.55	0.017	
13-Feb-17	27-Feb-17	13-Mar-17	< 2	< 3	7.4	14	1.100	8	0.24	0.80	0.018	
16-Jan-17	24-Jan-17	07-Feb-17	< 2	< 3	7.4	4	0.629	21	0.05	0.56	0.017	
12-Dec-16	21-Dec-16	03-Jan-17	< 2	< 3	7.3	32	0.301	21	0.01	1.12	0.055	
14-Nov-16	23-Nov-16	07-Dec-16	< 2	< 3	7.4	2	0.119	13	0.03	0.57	0.010	
10-Oct-16	20-Oct-16	03-Nov-16	< 2	< 3	7.4	19	0.076	35	0.03	0.72	0.019	
12-Sep-16	20-Sep-16	04-Oct-16	< 2	< 3	7.4	4	0.204	< 1	0.08	0.71	0.009	
08-Aug-16	15-Aug-16	01-Sep-16	< 2	< 5	7.5	3	0.018	< 1	0.03	0.78	0.008	
12-Jul-16	21-Jul-16	29-Jul-16	< 2	< 3	7.7	6	0.023	10	0.03	0.62	0.011	
14-Jun-16	28-Jun-16	06-Jul-16	< 2	< 3	7.9	2	0.038	8	0.02	0.62	0.013	
10-May-16	23-May-16	06-Jun-16	< 2	< 3	7.9	4	0.098	88	0.02	0.55	0.014	
12-Apr-16	21-Apr-16	05-May-16	< 2	< 3	7.8	< 2	0.045	29	0.04	0.55	0.018	
14-Mar-16	29-Mar-16	12-Apr-16	< 2	< 3	7.7	6	1.090	230	0.16	0.81	0.019	
15-Feb-16	23-Feb-16	08-Mar-16	< 2	< 3	8.0	3	0.072	43	0.07	0.58	0.012	
18-Jan-16	27-Jan-16	10-Feb-16	< 2	< 3	7.7	3	0.408	750	0.12	0.66	0.020	
14-Dec-15	23-Dec-15	06-Jan-16	< 2	< 3	7.4	< 2	0.440	100	0.07	0.57	0.018	
09-Nov-15	20-Nov-15	04-Dec-15	< 2	< 3	7.9	8	0.520	9	0.04	0.60	0.012	
12-Oct-15	23-Oct-15	30-Oct-15	< 2	< 3	7.5	23	0.136	< 1	0.03	0.53	0.010	

14-Sep-15	15-Sep-15	30-Sep-15	< 2	< 3	7.9	3	0.079	1	0.01	0.61	0.013
10-Aug-15	18-Aug-15	02-Sep-15	< 2	< 3	8.1	< 2	0.086	< 1	0.01	0.64	0.017
13-Jul-15	23-Jul-15	06-Aug-15	< 2	< 3	8.1	2	0.051	21	0.03	0.53	0.015
15-Jun-15	24-Jun-15	08-Jul-15	< 2	< 3	8.0	< 2	0.185	2	0.19	0.80	0.020
11-May-15	20-May-15	03-Jun-15	< 2	< 3	8.2	3	0.087	4	0.04	0.72	0.028
20-Apr-15	04-May-15	18-May-15	< 2	< 3	8.3	6	0.077	67	0.01	0.65	0.034
09-Mar-15	19-Mar-15	02-Apr-15	< 2	< 3	7.9	< 2	0.143	29	0.05	0.63	0.015
09-Feb-15	18-Feb-15	04-Mar-15	< 2	< 3	7.8	7	0.797	210	0.16	1.05	0.058
19-Jan-15	02-Feb-15	16-Feb-15	< 2	< 3	7.6	9	1.010	30	0.15	0.92	0.047

*TSS exceedance at Sample Point 2 being followed up.

Data table abbreviations	
Ammonia	Ammonia
BOD	Biological Oxygen Demand
Faecal Col	Faecal Coliform
Manganese	Manganese
O&G	Oil and Grease
pH	pH
Total N	Total Nitrogen
Total P	Total Phosphorus
TSS	Total Suspended Solids
CFU/100mL	colony forming unit per 100 millilitre
mg/L	milligrams per litre
pH Unit	pH unit