

Following the installation of the new high speed bottling line the output of the site will reach 630 tonnes in 24 hours. In your application you describe how it will take some time to ramp up production to this level. The expectation would be that the volume and the nature of the discharge is likely to change as production ramps up. We will consider the pollutants and their concentrations in the discharge at the time of this application considering the volumetric flow that has been specified. Should there be any future change in the nature of the discharge then you may need to apply to vary your permit.

1. Will the discharge of 350m³ to the River Box and 350m³ to the lagoon meet your expected discharge requirements with the new production line in place? (The restriction around discharging to the River Box between 1st November and 31st March will most likely need to remain).

The new production line is a “dry” sterilisation filler and while it has changed how we use water our average daily discharge over the last three years has not varied wildly:

2019 – 282m³

2020 – 303m³

2021 (YTD) – 274m³

The new line is not at full capacity yet and within the application we are anticipating that the usage will increase over the coming years as we “sell more space” on the line and so asking for more than we currently need.

- Since the new production line was installed has there been any change to the concentration of pollutants in the discharge or are there any new pollutants in the discharge?

There are no new pollutants in the discharge due to the new production line, it is a line filling fruit juice, similar to our existing line so the type of product we manufacture has not changed.

We measure both TSS and COD load into the Treatment Plant daily the average daily loads for the last three years have been:

2019 – COD Load = 684kgCOD/day – Solids Load = 41kgTSS/day

2020 – COD Load = 643kgCOD/day – Solids Load = 36kgTSS/day

2021 - COD Load = 582kgCOD/day – Solids Load = 31kgTSS/day

As you can see the levels in the influent have dropped which is likely as a result of the focus we have on site in finished product waste reduction.

- Since the new production line was installed are you still be able to meet the limits in the discharge consent?

As you can see from the volume figures above we consistently meet the volume requirements of the consent

We continuously measure the TSS of the outfeed and divert back to start of the plant if the meter reading goes above 30mg/ltr. We track the amount of “diverts” we have and also the amount of time the plant is in divert and therefore not discharging.

The average % of time the plant was in discharge in the last 3 years are:

2019 – 6.81%

2020 – 2.00%

2021 – 0.78%

We made a significant investment in improving aeration in our two treatment tanks which has reduced this divert time and ensures we are consistently discharging within the TSS Limit.

We measure COD rather than BOD in the discharge and have established that a COD of <100mg/ltr will give us a BOD of <15mg/ltr as described in the consent.

COD in the discharge in the last three years has averaged as follows:

2019 – 55mg/ltr

2020 – 53mg/ltr

2021 – 51mg/ltr

- Submit discharge monitoring data from the onsite laboratory. This will include the concentrations of COD, TSS and Ammoniac Nitrogen for the 6 months before the installation of the new production line and 6 months after. (if this is not easily assessable then we can wait till after the duly making stage for this data)

Attached Excel file.

Parameter Location Sample preparation Units Date	COD effluent filtered <100 mg/l	Ammonium NH4-N Effluent Filtered <5 mg/l	TSS effluent reading <30 mg/l
			Plant Diverts above 30
01-Jan			
02-Jan	23	0.093	28
03-Jan	29	0.119	28
04-Jan	19.8	0.104	12
05-Jan	18.1	0.069	24
06-Jan	18	0.088	34
07-Jan	15	0.128	28
08-Jan	43	0.104	27
09-Jan	56.6	0.021	61
10-Jan	20.3	0.102	178
11-Jan	17	0.151	27
12-Jan	23	0.106	28
13-Jan			
14-Jan	29.6	0.122	38
15-Jan	25.7	0.062	48
16-Jan	22.5	0.23	25
17-Jan	11	0.065	14
18-Jan	13.7	0.005	46
19-Jan	21.5	0.056	12
20-Jan	28.2	0.142	25
21-Jan	18.9	0.095	20
22-Jan			
23-Jan	65	0.147	15
24-Jan	22.3	0.04	25
25-Jan	22	0.072	28
26-Jan	25	0.073	29
27-Jan	14	1.26	22
28-Jan	23.7	0.349	29
29-Jan	12.8	0.015	28
30-Jan	20	0.09	24
31-Jan	17	3.97	25
01-Feb	18.4	9.77	29
02-Feb	19.3	4.23	24
03-Feb	19.1	0.317	24
04-Feb	20	0.046	23
05-Feb	35	0.072	27
06-Feb	34.1	0.086	24
07-Feb	18.8	0.096	14
08-Feb	20	0.083	27
09-Feb	29	0.099	28
10-Feb	15	0.105	24

11-Feb	16.4	0.021	48
12-Feb	32.9	0.139	32
13-Feb	23	0.066	28
14-Feb	32	0.093	27
15-Feb			
16-Feb	20.2	0.052	28
17-Feb		0.088	19
18-Feb	21	0.082	23
19-Feb	36	0.092	27
20-Feb	35.8	0.103	31
21-Feb	30.2	0.016	28
22-Feb	19	0.086	27
23-Feb	30	0.058	28
24-Feb	10	0.089	29
25-Feb	31	0.056	20
26-Feb	20.6	0.137	20
27-Feb	23	1.25	21
28-Feb	26	0.119	27
01-Mar	29.9	0.089	17
02-Mar	23.6	0.087	38
03-Mar	21.3	0.119	20
04-Mar	23	0.083	23
05-Mar	19	0.099	30
06-Mar	32.4	0.003	20
07-Mar	26	0.104	26
08-Mar	26	0.084	27
09-Mar			
10-Mar	28	0.11	29
11-Mar	17.3	0.045	36
12-Mar			
13-Mar	12	0.16	27
14-Mar	17	0.113	21
15-Mar	22.7	0.013	10
16-Mar	22.3	0.04	20
17-Mar	9.57	0.157	28
18-Mar		0.122	28
19-Mar	14	0.097	27
20-Mar	14.6	0.097	10
21-Mar	14.6	0.046	10
22-Mar			
23-Mar			
24-Mar	15	0.126	27
25-Mar	13.9	0.064	24
26-Mar	10.1	0.158	22
27-Mar			
28-Mar	9	0.116	25
29-Mar	25	0.113	22
30-Mar	21	0.113	25
31-Mar	19	0.105	26
01-Apr	19.2	0.118	18

02-Apr	10	0.1	26
03-Apr	34	0.03	22
04-Apr	22.5	0.052	18
05-Apr	14	0.084	27
06-Apr	15	0.098	24
07-Apr	28	0.065	28
08-Apr	25.2	0.096	28
09-Apr	11.6	0.159	25
10-Apr	14	0.131	25
11-Apr	43	0.14	30
12-Apr	25.9	0.032	30
13-Apr	18.4	0.104	27
14-Apr			
15-Apr	16	0.131	25
16-Apr	33	0.156	24
17-Apr	27.3	0.001	22
18-Apr	45.8	0.21	20
19-Apr	30	0.152	19
20-Apr	35	0.111	18
21-Apr	40	0.161	15
22-Apr	62.7	0.279	17
23-Apr	60.5	0.216	18
24-Apr	68	0.191	18
25-Apr	74	0.178	20
26-Apr	62.6	0.12	19
27-Apr	32.3	0.189	18
28-Apr	44.6	0.25	27
29-Apr	41	0.117	28
30-Apr	66	0.158	27
01-May	79.2	0.058	18
02-May	51.1	0.032	13
03-May	65	0.156	18
04-May	100	0.146	24
05-May	67	0.141	27
06-May	43.7	0.128	18
07-May	47.3	0.151	19
08-May		0.138	22
09-May	68	0.154	27
10-May			
11-May			
12-May			
13-May	31	0.155	10
14-May			
15-May			
16-May			
17-May			
18-May			
19-May			
20-May			
21-May	87	0.198	20

22-May			
23-May	60	0.571	15
24-May	129	0.079	11
25-May	176	0	12
26-May	116	0.098	10
27-May	110	0.046	13
28-May	124	0.064	
29-May	62.1	0.049	
30-May	162	0.08	
31-May	93	0.077	28
01-Jun	100	0.096	26
02-Jun	146	0.11	28
03-Jun			
04-Jun	120	0.089	24
05-Jun	N/A	0	
06-Jun	89.8	0.022	
07-Jun	108	0.092	16
08-Jun	76	0.113	18
09-Jun	23.4	0.052	14
10-Jun	52.7	0.049	
11-Jun	22	0.042	
12-Jun	21.6	0.1	16
13-Jun	26.7	0.037	7
14-Jun	55.9	0.066	
15-Jun	26.6	0.098	
16-Jun	31.8	0.045	
17-Jun	36.3	0.038	5
18-Jun	24.2	0.082	10
19-Jun	25	0.1	15
20-Jun	26	0.073	14
21-Jun	26.5	0.066	14
22-Jun	38.5	0.057	18
23-Jun	24.9	0.049	8
24-Jun	29	0.084	12
25-Jun	29	0.707	12
26-Jun	178	0.1	11
27-Jun	174	0.16	12
28-Jun	170	0.095	15
29-Jun	174	0.108	20
30-Jun	177	0.144	23
01-Jul	179	0	24
02-Jul	63.4	3.36	16
03-Jul	23	0.097	9
04-Jul	33	0.12	12
05-Jul	39.7	0.343	5
06-Jul	71.8	2.67	6
07-Jul	12	8.3	8
08-Jul	46	4.46	12
09-Jul	34	0.134	8
10-Jul	26.1	0.045	7

11-Jul	22.5	10	7
12-Jul	19	0.094	9
13-Jul	27	5.64	12
14-Jul	39	2.62	8
15-Jul	23.4	0	10
16-Jul	28.5	0.068	10
17-Jul	42	0.051	27
18-Jul	49	0.023	26
19-Jul	32.8	0.037	7
20-Jul	30.6	0	5
21-Jul	18.1	0.027	15
22-Jul	29	0.026	12
23-Jul	18	0.07	10
24-Jul			
25-Jul	30.9	0.18	
26-Jul	97	1.71	10
27-Jul	32	0.002	18
28-Jul	21	0.03	10
29-Jul	20.5	0.053	12
30-Jul	24.3	0.049	8
31-Jul	37	0.024	12
01-Aug	16	0.009	8
02-Aug	25.6	0.059	10
03-Aug	16.5	0.028	12
04-Aug	19.2	0.039	10
05-Aug	56	0.022	14
06-Aug	118	0.02	16
07-Aug	47.8	0.029	10
08-Aug	107	0.046	10
09-Aug	70	0	15
10-Aug	160	0.043	22
11-Aug	170	0.061	27
12-Aug	30.5	2.1	5
13-Aug	22.9	0.125	15
14-Aug	121	0.06	17
15-Aug	49	0.112	10
16-Aug	38.4	0.095	8
17-Aug	36	0.049	12
18-Aug	179	0.079	14
19-Aug	39	0.023	12
20-Aug	40	0.049	15
21-Aug	58.1	0.002	14
22-Aug	36.4	0.041	9
23-Aug	34	0.061	19
24-Aug	30	0.038	14
25-Aug	32	7.7	15
26-Aug	34	3.93	12
27-Aug			
28-Aug	24.1	0	
29-Aug	51	0.053	18

30-Aug	48.7	0.05	18
31-Aug	26	0.061	10
01-Sep	42.3	0.075	15
02-Sep	38	0.026	15
03-Sep	32	0.018	17
04-Sep	32.8	0	15
05-Sep	19.6	0	
06-Sep	47	0.02	15
07-Sep	84	0.048	13
08-Sep	59	0.019	18
09-Sep	45.4	0.077	5
10-Sep	25.5	0	5
11-Sep	25	0	6
12-Sep	70	0.035	12
13-Sep	22.3	0.199	6
14-Sep	23.3	1.66	7
15-Sep	25.1	0.02	7
16-Sep	18	0.016	10
17-Sep	21	0.026	10
18-Sep	17.7	0	7
19-Sep	16.1	0.029	7
20-Sep	22	0	12
21-Sep	23	0.06	18
22-Sep	17	0.032	12
23-Sep	16.7	0.065	3
24-Sep	12	0.058	7
25-Sep	57	0.007	21
26-Sep	86	0.038	12
27-Sep	74.1	0.044	8
28-Sep	56.1	0.021	9
29-Sep	27.6	0.021	9
30-Sep	12	0.016	12
01-Oct	19	0.028	9
02-Oct	21.1	0.084	15
03-Oct	13	0.077	9
04-Oct	12	0.061	8
05-Oct	15	0.028	10
06-Oct	44	0.037	17
07-Oct	34.5	0.012	9
08-Oct	11.8	0.024	9
09-Oct	17.6	0.007	
10-Oct	14.4	0	
11-Oct	21	0.072	13
12-Oct	15.6	0.054	21
13-Oct	29.8	0.12	19
14-Oct	13.3	0.028	9
15-Oct	36.8	0.743	15
16-Oct	34	0.053	16
17-Oct	20.9	0.051	16
18-Oct	19.5	0.103	15

19-Oct			
20-Oct	8.3	0.072	19
21-Oct	16.4	0.088	18
22-Oct	17.4	0.056	22
23-Oct	33	0.023	24
24-Oct	37	0.014	21
25-Oct	54	0.072	24
26-Oct	19	0.04	24
27-Oct	34	0.056	25
28-Oct	31	0.044	24
29-Oct	50	0.067	25
30-Oct			29
31-Oct	146	0.073	19
01-Nov	108	0.008	24
02-Nov	142	0.028	21
03-Nov			
04-Nov			
05-Nov	51.2	0	15
06-Nov	30	0.01	21
07-Nov	103	0.005	17
08-Nov	174	0.03	15
09-Nov	62.2	0.13	16
10-Nov	44.8	0.049	8
11-Nov	28	0.064	12
12-Nov	35	0.107	15
13-Nov	34.7	0.034	9
14-Nov	174	0.052	10
15-Nov	171		
16-Nov	360	0	17
17-Nov	168	0.007	16
18-Nov	108	0	15
19-Nov	148	0	15
20-Nov	156	0.451	22
21-Nov	128	3.83	18
22-Nov	160	3.41	15
23-Nov	178	3.32	20
24-Nov	137	3.8	10
25-Nov	143	4.31	12
26-Nov	150	1.75	10
27-Nov	150	0.087	14
28-Nov	197	0.031	16
29-Nov	154	0.01	18
30-Nov	121	0.04	17
01-Dec	52	0.359	14
02-Dec	111	0.118	12
03-Dec	169	0.138	11
04-Dec	154	0.71	17
05-Dec	156	1.96	28
06-Dec	110	2.87	20
07-Dec	30	1.14	19
08-Dec	59.2	4.84	18

09-Dec	32	0.078	24
10-Dec	64	0.056	23
11-Dec	40.4	0.091	21
12-Dec	18.9	0.023	20
13-Dec	38	0.063	22
14-Dec	39	0.06	24
15-Dec	138	0.118	27
16-Dec	178	0.068	34
17-Dec	177	0.142	18
18-Dec	61	0.035	24
19-Dec	86	0.086	22
20-Dec	72.2	0.069	22
21-Dec	16	0.066	24
22-Dec	11	0.093	12
23-Dec	22	0.083	19
24-Dec	19	0.076	22
25-Dec			
26-Dec			
27-Dec	24	4.31	26
28-Dec			
29-Dec			
30-Dec	45.6	0.155	25
31-Dec			

Parameter Location Sample preparation Units Date	COD effluent filtered <100 mg/l	Ammonium NH4-N Effluent Filtered <5 mg/l	TSS effluent reading <30 mg/l
			Plant Diverts above 30
01-Jan			
02-Jan	30.1	0	24
03-Jan	14.1	0.038	14
04-Jan	27.7	0.034	12
05-Jan	25.9	0.023	10
06-Jan			
07-Jan			
08-Jan	55.2	0.096	15
09-Jan	75.3	0.073	16
10-Jan	115	0.133	24
11-Jan	40	0.07	14
12-Jan	28	0.068	12
13-Jan	31.1	0.045	10
14-Jan	42.4	0.057	12
15-Jan	39	0.065	8
16-Jan	37	0.047	5
17-Jan	41.5	0.049	14
18-Jan	64.4	0.153	6
19-Jan	50.5	0.113	6
20-Jan	87	0.039	8
21-Jan	74	0.049	8
22-Jan	164	0.06	8
23-Jan			
24-Jan	82	0.024	10
25-Jan	26	0.007	7
26-Jan	20	0.032	8
27-Jan	94.2	0.022	6
28-Jan	60.8	0.015	2
29-Jan	57	0.022	5
30-Jan	42	0.05	5
31-Jan	40.2	0.015	3
01-Feb	46.5	0.034	3
02-Feb	37.8	0.058	3
03-Feb	24	0.01	4
04-Feb	34	0.03	6
05-Feb	45	0.015	4
06-Feb	37.3	0.058	5
07-Feb	34	0.02	5
08-Feb	25	0.004	15
09-Feb	22	4.73	8
10-Feb	23.2	14.3	6

11-Feb	25	5.64	7
12-Feb	41	0.01	8
13-Feb	36	0.011	6
14-Feb	34.4	0	3
15-Feb	18.3	0.046	5
16-Feb	83.7	1.35	6
17-Feb	119	0.08	6
18-Feb	97	0.041	5
19-Feb	68.7	0.146	4
20-Feb	35.8	0.045	5
21-Feb	19	0.093	5
22-Feb	26	0.107	14
23-Feb			
24-Feb	27.3	0.554	8
25-Feb	25	0.294	6
26-Feb	100	0.048	7
27-Feb	69	0.041	5
28-Feb	175	0.059	4
29-Feb	98.1	0.044	6
01-Mar	73.5	0.071	8
02-Mar	50	0.037	7
03-Mar	39	0.029	15
04-Mar	43.1	0.023	8
05-Mar	29.4	0.016	5
06-Mar	31	0.053	8
07-Mar	176	0.046	5
08-Mar	110	0.051	7
09-Mar	63.4	0.002	7
10-Mar	37.1	0.057	4
11-Mar	117	0.051	8
12-Mar	120	0.023	10
13-Mar	34.4	0.049	9
14-Mar	21.9	0.014	10
15-Mar	38.8	0.07	8
16-Mar	55	0.064	18
17-Mar	42	0.036	10
18-Mar	39.8	0.052	7
19-Mar	24.4	0.032	7
20-Mar	29	0.053	8
21-Mar	27	0.051	10
22-Mar	35	0.056	7
23-Mar	31.1	0.097	4
24-Mar	168	3.58	3
25-Mar		7.4	10
26-Mar	116	4.96	12
27-Mar	66	5	12
28-Mar	64	7.4	6
29-Mar	48	7.08	4
30-Mar	45	3.51	4
31-Mar	54	0.105	4

01-Apr	47.7	0.039	4
02-Apr	40.4	0.062	4
03-Apr	24	0.109	3
04-Apr			
05-Apr			
06-Apr	51.4	1.01	
07-Apr			
08-Apr			
09-Apr	35	0.548	7
10-Apr	31.8	0.033	4
11-Apr	23.1	0.04	5
12-Apr	40.7	0.072	4
13-Apr	110	0	5
14-Apr	52	0.043	5
15-Apr	34	0.008	4
16-Apr			
17-Apr			
18-Apr			
19-Apr			
20-Apr	35	0.088	6
21-Apr	43	0.04	5
22-Apr	27	0.029	7
23-Apr	36	0.02	7
24-Apr			
25-Apr			
26-Apr			
27-Apr	35	0.031	18
28-Apr	25	0.067	18
29-Apr	40	0.002	10
30-Apr	29	0	15
01-May			
02-May			
03-May			
04-May	30	0.036	5
05-May	21.9	0.03	5
06-May	25.8	0.03	5
07-May	20.7	0.039	6
08-May	14	0.041	3
09-May			
10-May	26.9	0.15	2
11-May	8.09	0.069	8
12-May	19	0.021	4
13-May	19.3	0.021	5
14-May	37.8	0.089	2
15-May	25.1	0.124	2
16-May			
17-May			
18-May	35.1	0.55	2
19-May	20.1	0.098	2
20-May	26.2	0.059	2

21-May	17	0.065	5
22-May	19.7	0.135	7
23-May			1
24-May			
25-May			
26-May	28	0.049	3
27-May	179	0.158	15
28-May	35	0.057	5
29-May	30	0.047	4
30-May			
31-May			
01-Jun	35	0.498	7
02-Jun	47	0.075	5
03-Jun	48	0.051	7
04-Jun	36	0.073	5
05-Jun	39	0.055	4
06-Jun			
07-Jun			
08-Jun	29	0.049	18
09-Jun	36	0.067	5
10-Jun	36	0.016	7
11-Jun	56	0.041	14
12-Jun	44	0.057	7
13-Jun			
14-Jun			
15-Jun	65.5	0.017	0
16-Jun	100	0.098	1
17-Jun	102	0.05	1
18-Jun	57.6	0.155	3
19-Jun	60.2	0.076	4
20-Jun			
21-Jun			
22-Jun	20.3	0.598	2
23-Jun	23.4	0.071	2
24-Jun	25.7	0.103	2
25-Jun	44.3	0.062	3
26-Jun			
27-Jun	36.4	0.872	2
28-Jun			
29-Jun	27.1	0.057	6
30-Jun	40.1	0.061	2
01-Jul	52.8	0.062	8
02-Jul	78.9	0.053	6
03-Jul	77.1	0.103	12
04-Jul	23.7	0.094	3
05-Jul			
06-Jul	65	0.007	9
07-Jul	45	0.057	5
08-Jul	25.8	0.087	3
09-Jul	26.2	0.3593	3

10-Jul	26	0.059	5
11-Jul	56	0.069	4
12-Jul	47	0.064	7
13-Jul	31.3	0.069	3
14-Jul	32.5	0.131	6
15-Jul	45	0.072	4
16-Jul	60	0.059	5
17-Jul	62.9	0.022	6
18-Jul	59.1	0.016	8
19-Jul	20.9	0.089	2
20-Jul	31	0.064	4
21-Jul	46	0.056	8
22-Jul	30.2	0.052	6
23-Jul	35.6	0.016	9
24-Jul	60	0.078	5
25-Jul	40	0.063	5
26-Jul	38	0.043	4
27-Jul	25.7	0.067	3
28-Jul	32	0.075	2
29-Jul	48	0.029	15
30-Jul	84	0.063	9
31-Jul	43.8	0.021	15
01-Aug	58.7	0.047	13
02-Aug			
03-Aug	44	0.076	14
04-Aug	29	0.053	13
05-Aug	25.9	0.011	9
06-Aug	174	0.076	19
07-Aug	80	0.014	16
08-Aug	48	0.029	19
09-Aug	30	0.047	22
10-Aug	21	0.054	12
11-Aug	54.9	0.045	12
12-Aug	190	0.057	21
13-Aug	194	0.08	28
14-Aug	127	0.064	17
15-Aug	27.2	0.077	1
16-Aug	34.2	0.054	3
17-Aug	70	0.069	4
18-Aug	24	0.055	9
19-Aug	23.5	0.021	5
20-Aug	27.2	0.069	6
21-Aug	59	0.057	16
22-Aug			
23-Aug	140	0.063	21
24-Aug	123	0.022	138
25-Aug	97.8	0.128	15
26-Aug	47	0.033	12
27-Aug	95		18
28-Aug	134	0.079	26

29-Aug	91.2	0.061	11
30-Aug	105	0.128	7
31-Aug	98	0.064	14
01-Sep	121	0.051	19
02-Sep	170	0.095	8
03-Sep	104	0.074	9
04-Sep	110	0.015	18
05-Sep	103	0.035	18
06-Sep	55	0.029	12
07-Sep	85.4	0.043	15
08-Sep	174	0.014	15
09-Sep	180	0	21
10-Sep	144	0.042	26
11-Sep	149	0.091	
12-Sep	134	0.068	33
13-Sep	127	0.036	6
14-Sep	116	0.061	15
15-Sep	140	0.063	22
16-Sep	93.8	0.069	6
17-Sep	105	0.078	5
18-Sep	108	0.024	9
19-Sep	91	0.06	5
20-Sep	102	0.082	14
21-Sep			
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24-Sep			
25-Sep	98	0.8	
26-Sep			
27-Sep			
28-Sep			
29-Sep	18.1	0.014	
30-Sep	23.2	0.122	7
01-Oct	39.6	0.011	5
02-Oct	29	0.009	22
03-Oct	26	0.042	15
04-Oct	34	0.049	12
05-Oct	51.3	0.021	20
06-Oct	60.5	0	8
07-Oct	75	0.002	14
08-Oct	70	0.09	27
09-Oct	145	0.076	16
10-Oct	124	0.089	14
11-Oct	103	0.049	12
12-Oct	95	0.069	19
13-Oct	99	0.06	15
14-Oct	101	0.034	15
15-Oct	78	0.276	7
16-Oct	22	4	10
17-Oct	25	4.8	10

18-Oct	28	19	12
19-Oct	27.7	17.7	8
20-Oct	27	3.07	10
21-Oct	31.3	1.16	4
22-Oct	31	0.096	10
23-Oct	24	0.018	10
24-Oct	25	3.14	6
25-Oct	28.1	0.108	8
26-Oct	28	0.066	8
27-Oct	18	4.63	14
28-Oct			
29-Oct	34.7	0.029	8
30-Oct	20	0.105	8
31-Oct	24	0.026	10
01-Nov	23	0.09	8
02-Nov	21.4	0.036	6
03-Nov	22.3	0.047	7
04-Nov	22	0.067	6
05-Nov	31	0.057	7
06-Nov	18.5	0.078	6
07-Nov	20.8	0.114	3
08-Nov	16.2	0.207	2
09-Nov	22	0.097	5
10-Nov	21	0.091	6
11-Nov	26.2	0.126	3
12-Nov	20	0.128	3
13-Nov	16	0.073	5
14-Nov	16	0.055	6
15-Nov	40	0.073	6
16-Nov	21.1	0.023	4
17-Nov	18.7	0.023	4
18-Nov	19	0.048	4
19-Nov	24	0.155	5
20-Nov	14.9	0.115	4
21-Nov	14.3	0.117	2
22-Nov	15.3	0.142	2
23-Nov	22	0.079	4
24-Nov	25	0.066	5
25-Nov	20.6	0.057	2
26-Nov	11.1	0.026	3
27-Nov	23	0.051	5
28-Nov	21	0.049	4
29-Nov	24	0.148	4
30-Nov	13.22	0.082	3
01-Dec	4.85	0.032	4
02-Dec	28	0.069	8
03-Dec	43	0.023	17
04-Dec	60.5	0.115	18
05-Dec	47.5	0.159	10
06-Dec	41.3	0.051	14
07-Dec	37	0.069	14

08-Dec	37	0.025	18
09-Dec	58.1	0.034	26
10-Dec	37.5	0.016	12
11-Dec	29	0.088	8
12-Dec	35	0.059	9
13-Dec	34	0.038	12
14-Dec	34.9	0.3693	12
15-Dec	19.5	0.026	19
16-Dec	22	0.047	14
17-Dec	24	0.039	15
18-Dec	26.9	0.053	12
19-Dec	25	0.141	19
20-Dec	30	0.033	18
21-Dec	24	0.026	16
22-Dec	40	0.049	17
23-Dec	57.6	0.183	36
24-Dec			
25-Dec			
26-Dec			
27-Dec	22	0.212	14
28-Dec	20.1	0.711	12
29-Dec	17.6	1.69	11
30-Dec	25	1.99	10
31-Dec	14	3.75	8

02/01/2021

Parameter Location Sample preparation Units Date	COD effluent filtered <100 mg/l	Ammonium NH4-N Effluent Filtered <5 mg/l	TSS effluent reading <30 mg/l
			Plant Diverts above 30
01-Jan			
02-Jan			
03-Jan	23.5	11.11	
04-Jan	23	5.13	8
05-Jan	32	0.067	10
06-Jan	25	0.01	10
07-Jan	16.1	0.058	12
08-Jan	24	0.054	7
09-Jan	31	0.06	7
10-Jan	35	0.026	10
11-Jan	36	0.05	10
12-Jan	17	0.005	6
13-Jan	63	0.051	12
14-Jan	60	0.037	12
15-Jan			10
16-Jan	27.6	0.07	10
17-Jan			
18-Jan	34	0.053	12
19-Jan	49	0.039	14
20-Jan	102		14
21-Jan	52.9		8
22-Jan	34	0.064	8
23-Jan	97	0.055	18
24-Jan	40	0.054	12
25-Jan	27.6	0.051	6

26-Jan	57.5	0.072	7
27-Jan	140	0.059	12
28-Jan			
29-Jan	54.2	0.094	7
30-Jan	40.4	0.063	8
31-Jan	31.1	0.038	7
01-Feb	44	0.045	12
02-Feb	42	0.078	10
03-Feb	22.6	0.023	4
04-Feb	25.5	0.087	3
05-Feb	40	0.096	8
06-Feb	69	0.03	12
07-Feb	42	0.056	14
08-Feb	27.4	0.045	7
09-Feb	33.4	0.006	5
10-Feb	51	0.677	12
11-Feb	48	0.063	10
12-Feb	73.8	0.094	5
13-Feb	55.5	0.076	6
14-Feb	50.9	0.074	11
15-Feb	25	0.077	10
16-Feb	40	0.075	12
17-Feb	159	0.148	11
18-Feb	59.1	0.141	16
19-Feb	81	0.084	18
20-Feb	70	0.105	21
21-Feb	36	0.077	18
22-Feb	28.2	0.12	10
23-Feb	56.3	0.045	10
24-Feb	200	0.065	16
25-Feb	80	0.114	18
26-Feb	52.6	0	
27-Feb	35.8	0	
28-Feb	50.3	1.43	
01-Mar	28	0.028	10
02-Mar	42	0.079	7

03-Mar	66	0.044	4
04-Mar	49.6	0.015	4
05-Mar	89	0.077	5
06-Mar	71	0.082	4
07-Mar	57	0.077	7
08-Mar	30	0.167	8
09-Mar	31.8	0.012	8
10-Mar	46	0.059	7
11-Mar	64	0.081	8
12-Mar	51.3	0.014	8
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