

From: [BDC Lgoima](#)
To: [REDACTED]
Subject: FW: Official Information Request for Westport Water Quality Report - OIA Ref: 026/22
Date: Friday, 13 May 2022 2:31:34 pm
Attachments: [Westport WTP - Daily - 2022-05-10.pdf](#)
[Westport WTP - Weekly Operation Overview - 2022-05-09.pdf](#)
[Westport WTP - Weekly Operation Overview - 2022-05-02.pdf](#)
[Westport WTP DWS Compliance Report - 2022-04 Monthly.pdf](#)
[WPT WS - Hills Lab - Feb 2021.pdf](#)
[image002.png](#)
[AR-22-NW-014687-01_PO1155747.pdf](#)

Dear [REDACTED],

We refer to your official information request dated 25 May 2022 for recent water quality report. We have attached the following:

- Westport Water Daily Reports (dated 10 May 22)
- Westport Water Weekly Report (for this week)
- Westport Water Weekly Report (for last week)
- Westport Water Monthly report – April 2022
- Westport Water – full determinand report – Feb 2021

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

If you wish to discuss this decision with us, please feel free to contact the Buller District Council by return email to lgoima@bdc.govt.nz.

Please note that it is our policy to proactively release our responses to official information requests where possible. Our response to your request will be published shortly at <https://bullerdc.govt.nz/district-council/your-council/request-for-official-information/responses-to-lgoima-requests/> with your personal information removed.

Kind regards

 Michael Duff | Group Manager Infrastructure Services
DDI 037889646 | Mobile 027 543 9604 | Email Michael.Duff@bdc.govt.nz

Buller District Council | Phone 0800 807 239 | bullerdc.govt.nz
PO Box 21 | Westport 7866

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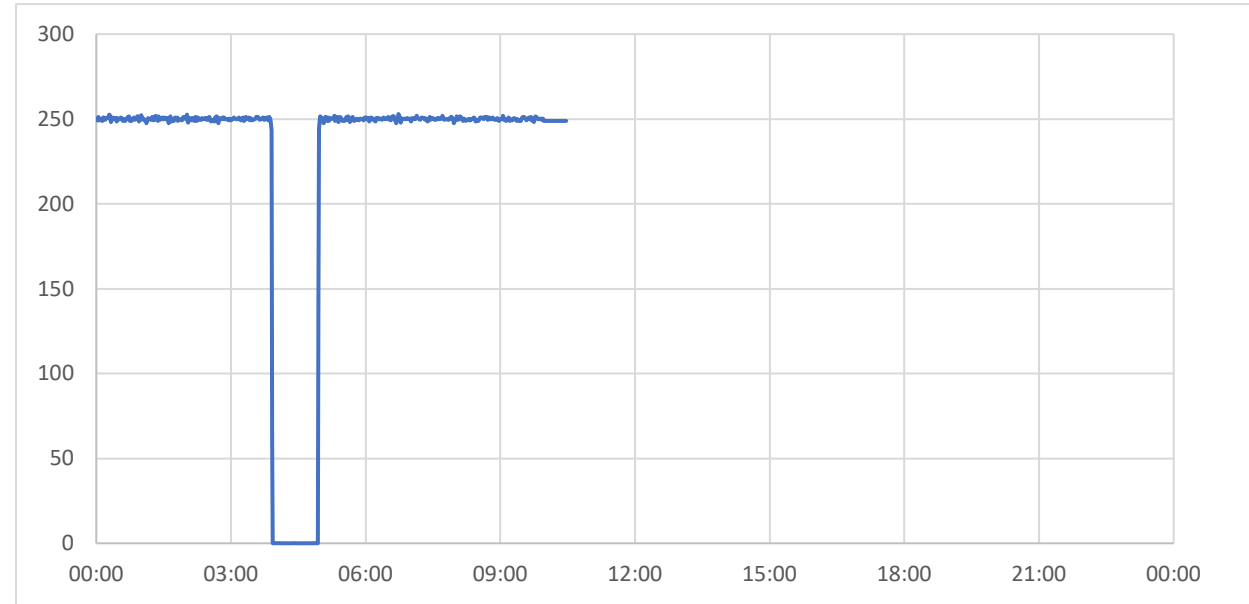
the views of Buller District Council.



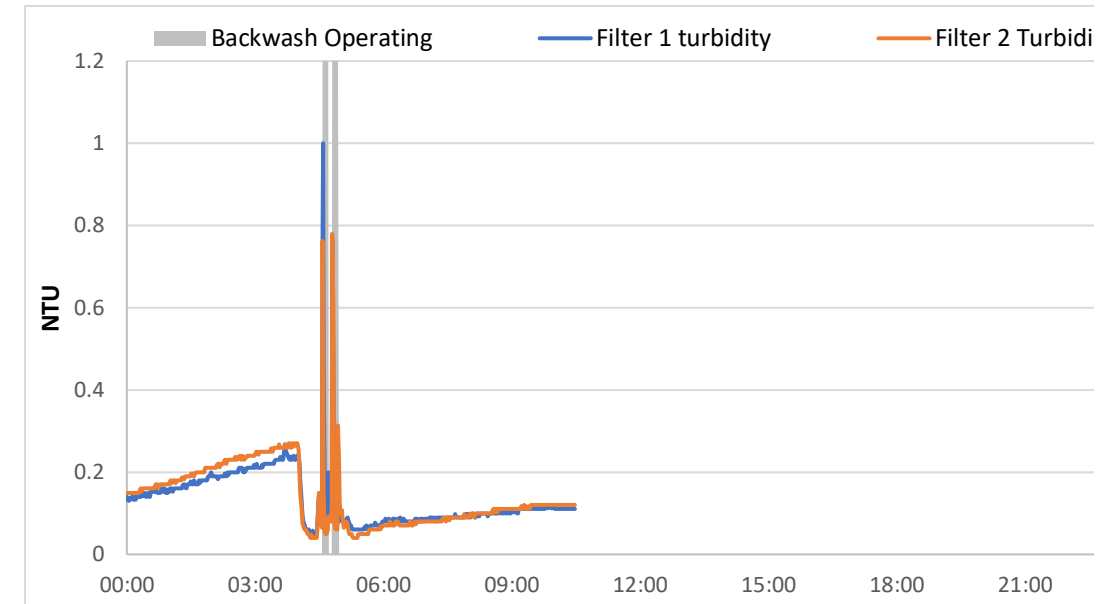
Westport WTP - Daily Report

Tuesday, 10

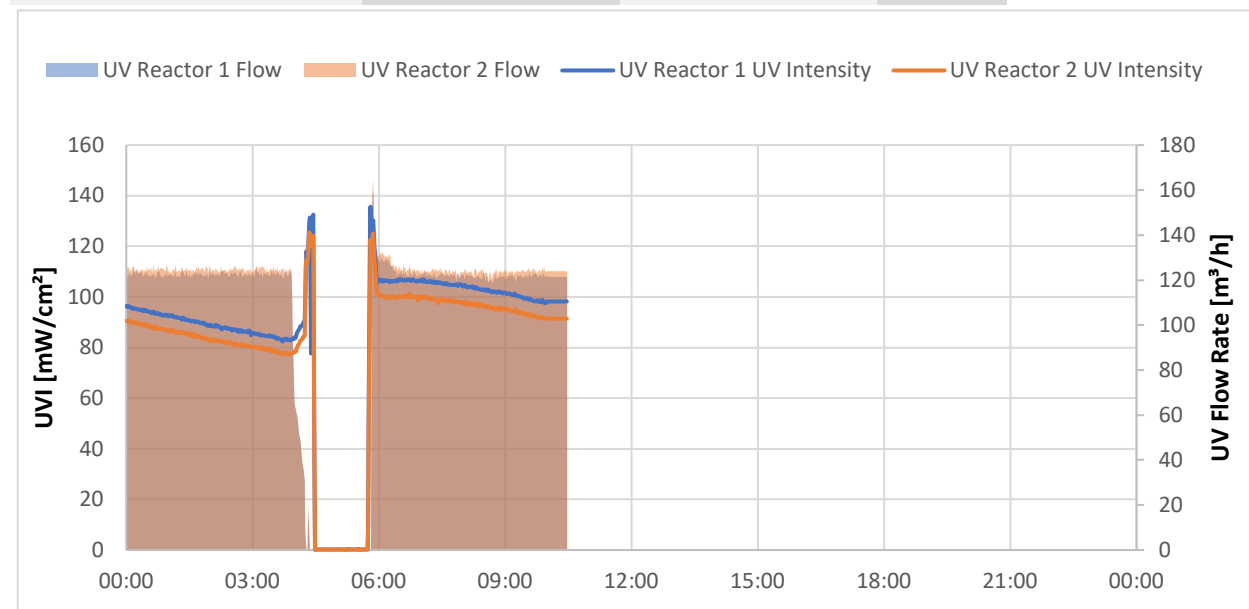
Raw Water Flow			
Resource Consent	RC03081/2 & RC03081/3	Expiry Date	30/06/2040
Daily Water Take	10,000 m³	Max Flow Rate	417.6 m³/h
Compliance Limit	2,361 m³		Yes
Today's Data: 03081/2	2,361 m³	252.91 m³/h	
Today's Data: 03081/3			



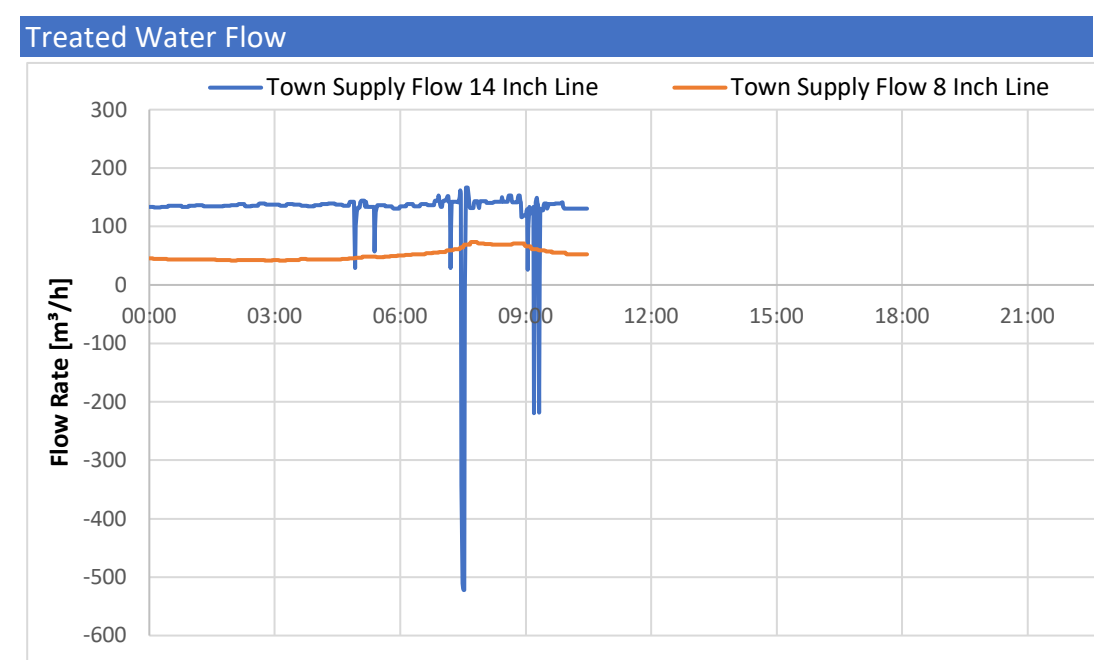
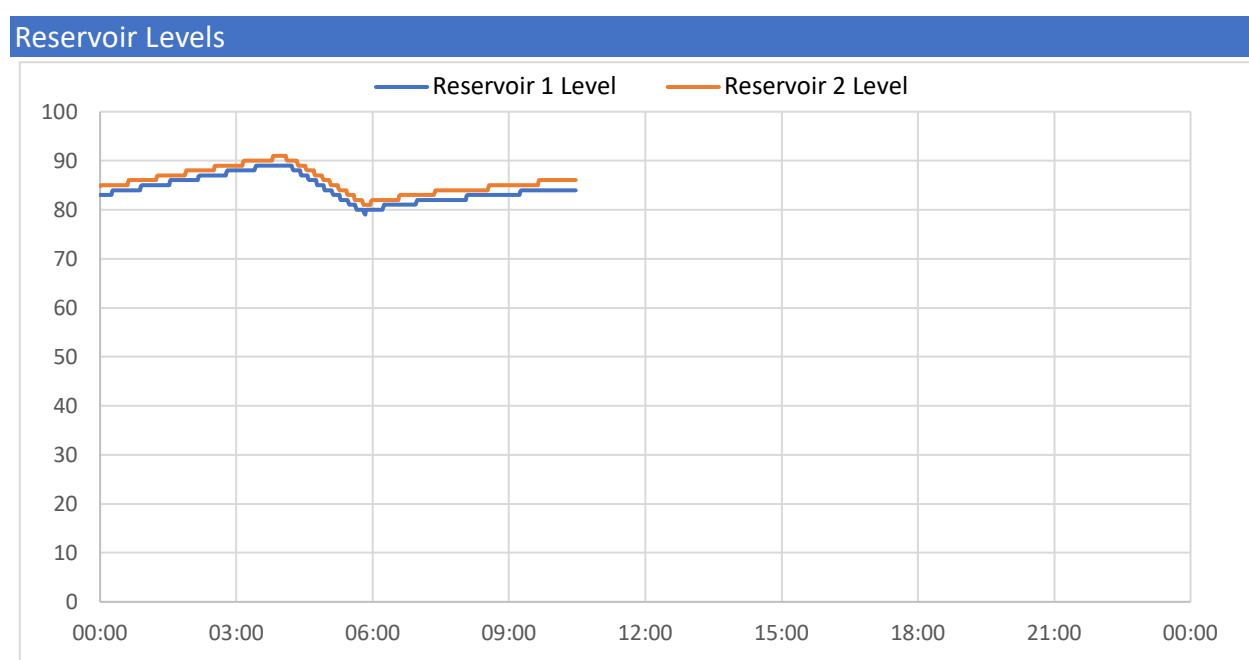
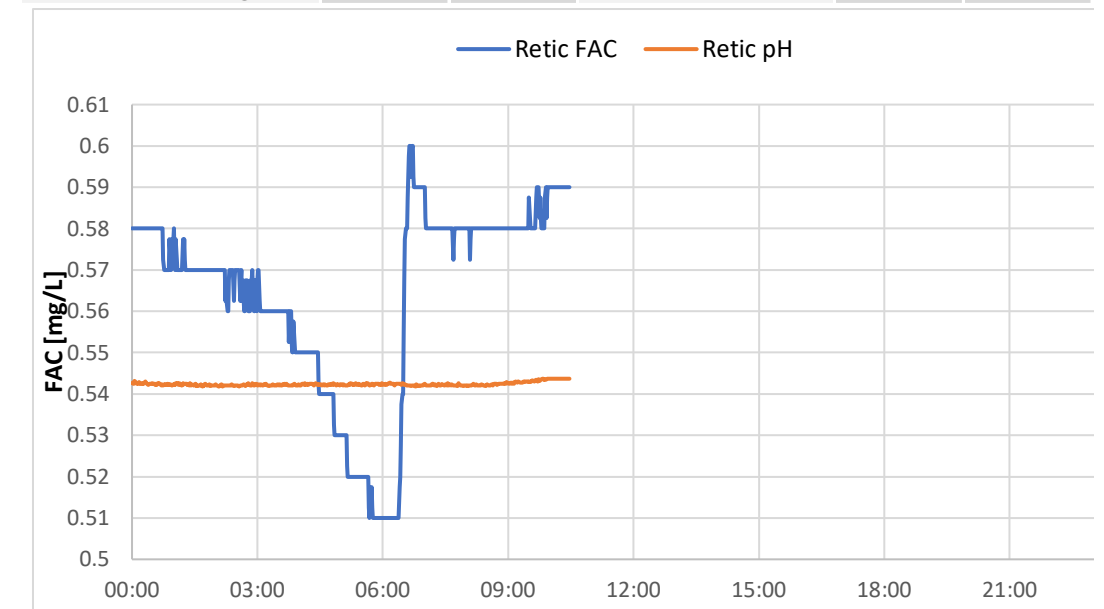
Filtered Turbidity: Coagulation and Direct Filtration				
5.5 Direct Filtration	<= 0.3 NTU	<= 0.5	> 1.0 for 3 min	Compliant
Compliance Limit	95%	99%	Compliance Limit	1
% Operating Time: F1	100.0%	100.0%	Minutes Non-Compliant	0
% Operating Time: F2	100.0%	100.0%	Minutes Non-Compliant	0



UV Reactors			
Flow < Max Validated Flow			



FAC and pH				
4.2.2a FACe	> 0.2 mg/l	C.t > 6 mg/L*min	< 0.1 mg/L	< 0.2 for 60 mins
Compliance Limit	98%	98%	Compliance Limit	1
% of Operating Time	100%	99%	Minutes Non-Compliant	0



Westport WTP			Weekly Daily Log					
Monday, 9 May 2022			9/05/2022	10/05/2022				
Subgroups	Parameters	Unit						
Rain	Raw Water Reservoir Level	mm	320	380				
	Rain Gauge Intake	mm						
	Rain Gauge Plant	mm	100	0				
Flow Meters	Total Flow for 24 Hrs	m³						
Intake Weir	Turbidity	NTU						
	UVT	%						
Raw Inlet	Turbidity	NTU	0.45	0.38				
	UVT	%	82.7	83.1				
	Aluminium	mg/L	0.2	0.09				
	Alkalinity	mg/L	35	35				
	pH		6.4	6.42				
Pre-Filter	UVT	%	98.7	97.5				
	Alkalinity	mg/L						
Floc Tank	UVT	%	97.6	97.7				
Filter 1	Turbidity	NTU	0.08	0.1				
	UVT	%	97.1	96.7				
	Aluminium	mg/L						
	Alkalinity	mg/L						
	pH							
Filter 2	Turbidity	NTU	0.08	0.11				
	UVT	%	97.1	96.7				
	Aluminium	mg/L						
	Alkalinity	mg/L						
	pH							
Treated Reservoir	Turbidity	NTU	0.19	0.22				
	UVT	%	97.3	97.2				
	FAC	mg/L	0.58	0.58				
	TAC	mg/L						
	Aluminium	mg/L	0.1	0.12				
	Alkalinity	mg/L	5	20				
	pH		7.01	6.85				
Retic	Turbidity	NTU	0.64	0.2				
	UVT	%	94.7	97.6				
	FAC	mg/L	0.16	0.41				
	Aluminium	mg/L	0.2	0.1				
	Location		Elley drive	Palmerston street				
	Alkalinity	mg/L	35	30				
	pH		7.11	7.09				
Chlorine Plant	Drum On?		Yes	Yes				
	Tank On?			No				
	Dose Rate	mg/L	0.72	0.72				
Coagulant Plant	Tank Level	L	1410	1360				
	Dose Rate	mg/L	11.4	11.4				
Lime Plant	Stroke Rate	%	40	40				
	Dose Rate	mg/L						
Plant Checks	Carry Water Check		Yes	Yes				
	Raw Water Temperature	°C	18.5	17.5				
	Maintenance Schedule Checked		Yes	Yes				
	SCV Floc Tank Sample		11	15				
	Plant Processes Checked		Yes	Yes				
Operator			Michael Taylor	Michael Taylor	#N/A	#N/A	#N/A	#N/A
Comment			Intake is off due to bad weather.SCV= 011	Intake is off reservoirs full waiting on gp to clean out.SCV= 015				

Westport WTP			Weekly Daily Log						
Monday, 2 May 2022			2/05/2022	3/05/2022	4/05/2022	5/05/2022	6/05/2022	7/05/2022	8/05/2022
Subgroups	Parameters	Unit							
Rain	Raw Water Reservoir Level	mm	470	480	600	670	720	660	510
	Rain Gauge Intake	mm	50	52	0	0	0		
	Rain Gauge Plant	mm	35	40	0	0	0	0	0
Flow Meters	Total Flow for 24 Hrs	m³							
Intake Weir	Turbidity	NTU					1.92	1.42	1.2
	UVT	%						87.2	88.1
Raw Inlet	Turbidity	NTU	0.52	0.4	0.45	0.45	0.47	0.36	0.49
	UVT	%	83.9	84.1	84.4	84.3	82.6	82.8	82.8
	Aluminium	mg/L	0.15	0.08	0.05	0.06	0.08		0.06
	Alkalinity	mg/L	30	30	30	30	30		35
	pH		6.47	6.47	6.49	6.5	6.46		6.47
Pre-Filter	UVT	%	96.6	96.8	97.1	97.7	92.6	97	97.1
	Alkalinity	mg/L							
Floc Tank	UVT	%	97	96.8	97	97.5	91.3	97.2	97.1
Filter 1	Turbidity	NTU	0.07	0.07	0.12	0.2	0.24	0.14	0.23
	UVT	%	91.1	96.1	95.4	95	91.1	95.4	94.6
	Aluminium	mg/L							
	Alkalinity	mg/L							
	pH								
Filter 2	Turbidity	NTU	0.07	0.08	0.11	0.18	0.22	0.15	0.26
	UVT	%	91.1	96.1	95.4	95	91.1	95.4	94.6
	Aluminium	mg/L							
	Alkalinity	mg/L							
	pH								
Treated Reservoir	Turbidity	NTU	0.34	0.32	0.32	0.29	0.36	0.21	0.19
	UVT	%	97.3	97	97.3	97.4	96.4	96.8	97.1
	FAC	mg/L	0.66	0.65	0.64	0.61	0.64	0.57	0.56
	TAC	mg/L							
	Aluminium	mg/L	0.06	0.09	0.1	0.04	0.06	0.11	0.12
	Alkalinity	mg/L	25	55	40	50	35	10	25
	pH		7.14	6.99	6.97	6.97	7.14	6.94	6.98
Retic	Turbidity	NTU	0.87	0.28	0.46	0.37	0.33	0.32	0.23
	UVT	%	93.1	97.1	96.1	97.6	97.5	96.4	97.2
	FAC	mg/L	0.29	0.44	0.47	0.44	0.43	0.31	0.44
	Aluminium	mg/L	0.14	0.1	0.11	0.06	0.07	35	0.1
	Location		Elley Drive	Kawatiri place	Coates street	Palmerston street	Kawatiri place	Menzies street	Kawatiri place
	Alkalinity	mg/L	40	45	40	25	25	35	15
	pH		7.22	7.2	7.16	7.41	7.28	7.15	7.18
Chlorine Plant	Drum On?		No	No	No	No	No	No	Yes
	Tank On?		Yes	Yes	Yes	Yes	Yes	Yes	No
	Dose Rate	mg/L	0.78	0.78	0.7	0.78	0.7	0.71	0.66
Coagulant Plant	Tank Level	L	950	900	850	800	750	740	680
	Dose Rate	mg/L	10.9	10.9	10.9	11	11	11	11
Lime Plant	Stroke Rate	%	40	40	40	40	40	40	40
	Dose Rate	mg/L							
Plant Checks	Carry Water Check		Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Raw Water Temperature	°C	19	18.5	18	18	18.5	17.5	18.5
	Maintenance Schedule Checked		Yes	Yes	Yes	Yes	Yes	Yes	Yes
	SCV Floc Tank Sample		12	12	14	12	-2	3	-5
	Plant Processes Checked		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operator			Kyl Salter	Kyl Salter	Kyl Salter	Kyl Salter	Kyl Salter	Michael Taylor	Michael Taylor
Comment			Intake is off.	Intake is off.	Intake is off.	Intake is on. Intake combined - 3.07NTU Right - 4.65NTU Left - 0.73NTU	Intake is on. 0710 Intake combined - 3.91NTU Left - 0.65NTU Right - 5.68NTU	Intake is on.SCV= 003.	Intake is off due to bad weather approaching.SCV= -005

Westport Water Treatment Plant Annual Report
DWSNZ 5.16 Compliance Report
April 2021

Date	UV 1 Runtime	UV 1			UV 1 Runtime	UV 2			Log Credit Achieved
		Criterion 5.16 - 3 Log Credits				Criterion 5.16 - 3 Log Credits			
		Flow	UVI	UVI (3mins)		Flow	UVI	UVI (3mins)	
		<= 95%	>=95%	>=80%		<= 95%	>=95%	>=80%	
		DWSNZ 2005 (2018)	DWSNZ 2005 (2018)	DWSNZ 2005 (2018)		DWSNZ 2005 (2018)	DWSNZ 2005 (2018)	DWSNZ 2005 (2018)	
mins/day	95%	95%	0.8	mins/day	95%	95%	0.8		
01/04/2021	1210	100.00%	99.42%	0	1210	100.00%	99.50%	0	3
02/04/2021	1231	100.00%	99.59%	0	1231	100.00%	99.76%	0	3
03/04/2021	1214	100.00%	99.59%	0	1214	100.00%	99.75%	0	3
04/04/2021	1224	100.00%	99.84%	0	1224	100.00%	99.75%	0	3
05/04/2021	1260	100.00%	99.84%	0	1260	100.00%	99.92%	0	3
06/04/2021	1260	100.00%	99.60%	0	1260	100.00%	99.68%	0	3
07/04/2021	1279	100.00%	99.61%	0	1279	100.00%	99.77%	0	3
08/04/2021	1314	100.00%	99.77%	0	1314	100.00%	99.70%	0	3
09/04/2021	1316	100.00%	99.77%	0	1316	100.00%	99.62%	0	3
10/04/2021	1238	99.93%	99.68%	0	1238	100.00%	99.52%	1	0
11/04/2021	1216	100.00%	99.26%	0	1216	100.00%	99.59%	0	3
12/04/2021	1233	99.86%	99.76%	0	1233	100.00%	99.51%	0	3
13/04/2021	1338	100.00%	99.63%	0	1338	100.00%	99.48%	0	3
14/04/2021	1261	100.00%	99.68%	0	1261	100.00%	99.68%	0	3
15/04/2021	1314	100.00%	99.70%	0	1314	100.00%	99.70%	0	3
16/04/2021	1308	99.58%	99.54%	0	1308	100.00%	99.62%	0	3
17/04/2021	1315	100.00%	99.47%	0	1315	100.00%	99.62%	0	3
18/04/2021	1314	99.58%	99.85%	0	1314	100.00%	99.85%	0	3
19/04/2021	1314	100.00%	99.85%	0	1314	100.00%	97.64%	1	0
20/04/2021	1251	100.00%	100.00%	0	1251	100.00%	99.52%	1	0
21/04/2021	1314	100.00%	99.54%	0	1314	100.00%	99.54%	0	3
22/04/2021	1313	100.00%	99.77%	0	1313	100.00%	99.47%	0	3
23/04/2021	1300	100.00%	99.38%	0	1300	100.00%	89.85%	0	0
24/04/2021	1271	100.00%	99.53%	0	1271	100.00%	96.46%	0	3
25/04/2021	1225	100.00%	99.51%	1	1225	100.00%	97.14%	0	0
26/04/2021	1315	99.93%	99.77%	0	1315	100.00%	99.70%	1	0
27/04/2021	1254	100.00%	99.60%	0	1254	100.00%	99.76%	0	3
28/04/2021	1228	100.00%	98.62%	0	1228	100.00%	98.37%	0	3
29/04/2021	1236	100.00%	99.43%	0	1236	100.00%	99.60%	0	3
30/04/2021	1265	89.95%	98.66%	0	1265	100.00%	82.06%	0	0
01/05/2021	1216	100.00%	99.75%	0	1216	100.00%	91.20%	0	0
02/05/2021	1313	100.00%	99.85%	0	1313	100.00%	99.62%	0	3
03/05/2021	1251	100.00%	99.92%	0	1251	100.00%	99.44%	1	0
04/05/2021	1139	100.00%	99.74%	0	1139	100.00%	91.67%	0	0
05/05/2021	1312	100.00%	99.47%	0	1312	100.00%	87.50%	0	0
06/05/2021	1230	100.00%	99.67%	0	1230	100.00%	99.59%	0	3
07/05/2021	1314	100.00%	99.54%	0	1314	100.00%	99.77%	0	3
08/05/2021	1253	100.00%	99.68%	0	1253	100.00%	99.76%	0	3
09/05/2021	1268	100.00%	99.76%	0	1268	100.00%	99.76%	0	3
10/05/2021	1314	97.81%	99.54%	0	1314	100.00%	99.62%	0	3
11/05/2021	1250	100.00%	99.76%	0	1250	100.00%	99.52%	1	0
12/05/2021	1240	84.44%	97.10%	12	1240	100.00%	97.74%	8	0
13/05/2021	1316	100.00%	99.70%	0	1316	100.00%	99.70%	0	3
14/05/2021	1219	100.00%	99.59%	0	1219	100.00%	98.28%	0	3
15/05/2021	1253	100.00%	99.36%	0	1253	100.00%	73.50%	0	0
16/05/2021	1218	67.33%	99.92%	0	1218	100.00%	73.89%	0	0
17/05/2021	1312	100.00%	99.62%	0	1312	100.00%	99.62%	0	3
18/05/2021	1294	99.86%	99.77%	0	1294	100.00%	99.23%	1	0
19/05/2021	951	99.79%	99.37%	0	951	99.79%	99.79%	0	3
20/05/2021	1317	100.00%	99.39%	0	1317	100.00%	77.98%	0	0
21/05/2021	1316	100.00%	99.62%	0	1316	100.00%	91.03%	0	0
22/05/2021	1301	97.80%	100.00%	0	1301	100.00%	58.72%	0	0
23/05/2021	1170	100.00%	99.74%	0	1170	100.00%	64.10%	0	0
24/05/2021	1315	87.62%	99.39%	0	1315	100.00%	72.09%	1	0
25/05/2021	1162	99.74%	99.83%	0	1162	99.74%	96.19%	0	3
26/05/2021	1317	99.50%	99.85%	0	1317	100.00%	99.77%	0	3
27/05/2021	1254	100.00%	99.68%	0	1254	100.00%	99.92%	0	3
28/05/2021	1236	100.00%	99.92%	0	1236	100.00%	99.92%	0	3
29/05/2021	1316	100.00%	99.77%	0	1316	100.00%	99.77%	0	3
30/05/2021	1233	100.00%	99.84%	0	1233	100.00%	99.76%	0	3
31/05/2021	1246	100.00%	99.68%	0	1246	100.00%	99.68%	0	3
01/06/2021	1314	99.79%	99.85%	0	1314	100.00%	99.70%	0	3
02/06/2021	1225	100.00%	99.84%	0	1225	100.00%	100.00%	0	3
03/06/2021	1316	100.00%	99.77%	0	1316	100.00%	99.77%	0	3
04/06/2021	1184	100.00%	99.92%	0	1184	100.00%	99.41%	0	3
05/06/2021	1317	99.72%	99.62%	0	1317	100.00%	99.62%	0	3
06/06/2021	1209	100.00%	100.00%	0	1209	100.00%	99.67%	0	3
07/06/2021	1183	100.00%	99.75%	0	1183	100.00%	99.66%	0	3
08/06/2021	1314	100.00%	99.77%	0	1314	100.00%	99.85%	0	3
09/06/2021	1258	100.00%	99.92%	0	1258	100.00%	99.84%	0	3
10/06/2021	1337	100.00%	99.78%	0	1337	100.00%	99.93%	0	3
11/06/2021	1313	100.00%	100.00%	0	1313	100.00%	99.70%	0	3
12/06/2021	1312	100.00%	99.70%	0	1312	100.00%	99.77%	0	3
13/06/2021	1312	100.00%	99.77%	0	1312	100.00%	99.77%	0	3
14/06/2021	1312	100.00%	99.77%	0	1312	100.00%	99.70%	0	3
15/06/2021	1312	100.00%	100.00%	0	1312	100.00%	99.85%	0	3
16/06/2021	1311	100.00%	100.00%	0	1311	100.00%	99.62%	0	3
17/06/2021	1312	100.00%	99.62%	0	1312	100.00%	99.85%	0	3
18/06/2021	1312	100.00%	99.62%	0	1312	100.00%	99.85%	0	3
19/06/2021	1212	100.00%	99.92%	0	1212	100.00%	100.00%	0	3
20/06/2021	1312	100.00%	99.92%	0	1312	100.00%	99.85%	0	3
21/06/2021	1313	99.86%	99.70%	0	1313	100.00%	99.77%	0	3
22/06/2021	1312	100.00%	99.70%	0	1312	100.00%	99.77%	0	3
23/06/2021	1261	99.79%	99.68%	0	1261	100.00%	99.68%	0	3
24/06/2021	1303	100.00%	99.77%	0	1303	100.00%	99.85%	0	3

25/06/2021	1312	99.58%	99.92%	0	1312	100.00%	99.70%	0	3
26/06/2021	1297	100.00%	99.77%	0	1297	100.00%	99.77%	0	3
27/06/2021	1176	100.00%	99.57%	0	1176	100.00%	99.74%	0	3
28/06/2021	1312	100.00%	99.85%	0	1312	100.00%	99.85%	0	3
29/06/2021	1313	100.00%	99.62%	0	1313	100.00%	99.54%	0	3
30/06/2021	1314	100.00%	100.00%	0	1314	100.00%	99.62%	0	3
01/07/2021	1313	99.22%	99.54%	0	1313	100.00%	99.62%	0	3
02/07/2021	1311	100.00%	99.62%	0	1311	100.00%	99.85%	0	3
03/07/2021	1315	99.15%	99.77%	0	1315	100.00%	99.70%	0	3
04/07/2021	1315	100.00%	99.85%	0	1315	100.00%	99.70%	0	3
05/07/2021	1247	98.79%	99.92%	0	1247	100.00%	99.52%	0	3
06/07/2021	1217	100.00%	99.01%	0	1217	100.00%	98.19%	0	3
07/07/2021	1319	99.08%	99.62%	0	1319	100.00%	99.92%	0	3
08/07/2021	1313	100.00%	99.62%	0	1313	100.00%	99.77%	0	3
09/07/2021	1234	99.15%	99.76%	0	1234	100.00%	99.59%	0	3
10/07/2021	1313	100.00%	99.77%	0	1313	100.00%	99.85%	0	3
11/07/2021	1312	99.22%	99.47%	0	1312	100.00%	99.92%	0	3
12/07/2021	1312	100.00%	99.70%	0	1312	100.00%	99.70%	0	3
13/07/2021	1312	99.29%	100.00%	0	1312	100.00%	100.00%	0	3
14/07/2021	1313	100.00%	100.00%	0	1313	100.00%	100.00%	0	3
15/07/2021	1314	99.43%	99.85%	0	1314	100.00%	99.92%	0	3
16/07/2021	1314	100.00%	99.85%	0	1314	100.00%	99.62%	0	3
17/07/2021	1237	99.86%	99.92%	0	1237	100.00%	99.76%	0	3
18/07/2021	1311	100.00%	97.33%	0	1311	100.00%	53.55%	2	0
19/07/2021	1320	99.65%	77.35%	0	1320	100.00%	36.74%	1	0
20/07/2021	1316	100.00%	99.85%	0	1316	100.00%	99.54%	1	0
21/07/2021	1218	99.22%	100.00%	0	1218	100.00%	99.75%	0	3
22/07/2021	1313	100.00%	100.00%	0	1313	100.00%	99.77%	0	3
23/07/2021	1235	99.29%	99.92%	0	1235	100.00%	99.68%	0	3
24/07/2021	1320	100.00%	99.62%	0	1320	100.00%	99.70%	0	3
25/07/2021	1331	99.08%	99.77%	0	1331	100.00%	100.00%	0	3
26/07/2021	1278	100.00%	99.77%	0	1278	100.00%	99.61%	0	3
27/07/2021	1315	99.15%	99.92%	0	1315	100.00%	99.85%	0	3
28/07/2021	1314	100.00%	99.77%	0	1314	100.00%	99.92%	0	3
29/07/2021	1249	99.22%	99.84%	0	1249	100.00%	99.68%	0	3
30/07/2021	1313	100.00%	100.00%	0	1313	100.00%	99.70%	0	3
31/07/2021	1310	99.29%	100.00%	0	1310	100.00%	99.92%	0	3
01/08/2021	1311	100.00%	99.92%	0	1311	100.00%	99.77%	0	3
02/08/2021	1311	99.29%	99.69%	0	1311	100.00%	99.85%	0	3
03/08/2021	1267	100.00%	99.37%	0	1267	100.00%	99.45%	0	3
04/08/2021	1315	99.51%	99.85%	0	1315	100.00%	99.70%	0	3
05/08/2021	1316	100.00%	99.77%	0	1316	100.00%	99.77%	0	3
06/08/2021	1290	99.58%	99.69%	0	1290	100.00%	99.53%	0	3
07/08/2021	1312	100.00%	99.85%	0	1312	100.00%	99.70%	0	3
08/08/2021	1312	99.43%	99.85%	0	1312	100.00%	99.70%	0	3
09/08/2021	1311	100.00%	99.92%	0	1311	100.00%	99.92%	0	3
10/08/2021	1313	99.29%	99.92%	0	1313	100.00%	99.77%	0	3
11/08/2021	1314	100.00%	99.54%	0	1314	100.00%	99.85%	0	3
12/08/2021	1313	98.94%	99.24%	1	1313	100.00%	99.31%	0	0
13/08/2021	1312	100.00%	99.77%	0	1312	100.00%	100.00%	0	3
14/08/2021	1216	99.43%	99.67%	0	1216	100.00%	99.92%	0	3
15/08/2021	1314	100.00%	99.92%	0	1314	100.00%	99.47%	0	3
16/08/2021	1226	99.72%	99.76%	0	1226	100.00%	99.59%	0	3
17/08/2021	1314	100.00%	99.70%	0	1314	100.00%	99.85%	0	3
18/08/2021	1278	99.86%	99.84%	0	1278	100.00%	99.69%	0	3
19/08/2021	1235	100.00%	99.92%	0	1235	100.00%	99.92%	0	3
20/08/2021	1315	99.93%	99.54%	0	1315	100.00%	99.92%	0	3
21/08/2021	1216	100.00%	99.84%	0	1216	100.00%	99.75%	0	3
22/08/2021	1216	99.93%	99.67%	0	1216	100.00%	99.84%	0	3
23/08/2021	1314	100.00%	99.77%	0	1314	100.00%	99.77%	0	3
24/08/2021	1078	98.73%	100.00%	0	1078	100.00%	99.72%	0	3
25/08/2021	1127	100.00%	100.00%	0	1127	100.00%	99.65%	0	3
26/08/2021	1164	93.94%	98.97%	1	1164	100.00%	98.37%	2	0
27/08/2021	1302	100.00%	99.92%	0	1302	100.00%	99.54%	0	3
28/08/2021	987	99.43%	99.49%	0	987	100.00%	99.80%	0	3
29/08/2021	1319	100.00%	99.62%	0	1319	100.00%	99.77%	1	0
30/08/2021	1075	99.58%	99.91%	0	1075	100.00%	99.81%	0	3
31/08/2021	1252	100.00%	99.68%	0	1252	100.00%	99.92%	0	3
01/09/2021	1269	99.93%	100.00%	0	1269	100.00%	99.76%	0	3
02/09/2021	1313	100.00%	99.92%	0	1313	100.00%	99.77%	0	3
03/09/2021	1222	99.93%	99.67%	0	1222	100.00%	99.84%	0	3
04/09/2021	1314	100.00%	99.70%	0	1314	100.00%	99.62%	0	3
05/09/2021	1314	100.00%	99.70%	0	1314	100.00%	99.70%	0	3
06/09/2021	1313	100.00%	99.70%	0	1313	100.00%	99.92%	0	3
07/09/2021	1288	100.00%	99.84%	0	1288	100.00%	99.69%	0	3
08/09/2021	1313	100.00%	99.85%	0	1313	100.00%	99.85%	0	3
09/09/2021	1314	100.00%	99.77%	0	1314	100.00%	99.77%	0	3
10/09/2021	1315	100.00%	99.54%	0	1315	100.00%	99.85%	0	3
11/09/2021	1314	99.93%	99.62%	0	1314	100.00%	99.70%	0	3
12/09/2021	1313	100.00%	99.92%	0	1313	100.00%	99.62%	0	3
13/09/2021	1311	100.00%	99.62%	0	1311	100.00%	99.39%	0	3
14/09/2021	1314	100.00%	99.70%	0	1314	100.00%	99.85%	0	3
15/09/2021	1316	100.00%	99.85%	0	1316	100.00%	99.54%	0	3
16/09/2021	1303	100.00%	99.69%	0	1303	100.00%	99.69%	0	3
17/09/2021	1315	99.93%	99.70%	0	1315	100.00%	99.70%	0	3
18/09/2021	1316	100.00%	99.62%	0	1316	100.00%	99.77%	0	3
19/09/2021	1232	100.00%	99.76%	0	1232	100.00%	99.84%	0	3
20/09/2021	1318	100.00%	99.85%	0	1318	100.00%	99.70%	0	3
21/09/2021	1301	100.00%	99.92%	0	1301	100.00%	99.62%	0	3
22/09/2021	1316	100.00%	99.92%	0	1316	100.00%	99.77%	0	3
23/09/2021	1264	100.00%	99.92%	0	1264	100.00%	99.84%	0	3
24/09/2021	1317	100.00%	99.77%	0	1317	100.00%	99.85%	0	3
25/09/2021	1218	99.93%	99.75%	0	1218	100.00%	99.92%	0	3
26/09/2021	1215	100.00%	99.92%	0	1215	100.00%	99.75%	0	3
27/09/2021	1317	100.00%	99.77%	0	1317	100.00%	99.77%	0	3
28/09/2021	1317	100.00%	99.77%	0	1317	100.00%	99.92%	0	3
29/09/2021	1283	100.00%	100.00%	0	1283	100.00%	99.69%	0	3

30/09/2021	1315	100.00%	99.85%	0	1315	100.00%	99.85%	0	3
01/10/2021	1218	100.00%	99.84%	0	1218	100.00%	100.00%	0	3
02/10/2021	1245	100.00%	99.68%	0	1245	100.00%	99.68%	0	3
03/10/2021	1219	100.00%	100.00%	0	1219	100.00%	99.75%	0	3
04/10/2021	1314	100.00%	99.85%	0	1314	100.00%	99.70%	0	3
05/10/2021	1214	99.79%	99.75%	0	1214	100.00%	99.92%	0	3
06/10/2021	1193	100.00%	99.50%	0	1193	100.00%	99.66%	0	3
07/10/2021	1322	99.72%	99.70%	0	1322	100.00%	99.70%	0	3
08/10/2021	1218	100.00%	99.75%	0	1218	100.00%	99.84%	0	3
09/10/2021	1217	100.00%	100.00%	0	1217	100.00%	99.84%	0	3
10/10/2021	1316	100.00%	99.92%	0	1316	100.00%	99.85%	0	3
11/10/2021	1225	100.00%	99.67%	0	1225	100.00%	99.67%	0	3
12/10/2021	1329	100.00%	99.92%	0	1329	100.00%	99.92%	0	3
13/10/2021	1315	99.65%	99.77%	0	1315	100.00%	99.85%	0	3
14/10/2021	1315	100.00%	99.85%	0	1315	100.00%	99.92%	0	3
15/10/2021	1314	100.00%	99.70%	0	1314	100.00%	99.85%	0	3
16/10/2021	1314	100.00%	99.77%	0	1314	100.00%	99.70%	0	3
17/10/2021	1314	100.00%	99.77%	0	1314	100.00%	99.85%	0	3
18/10/2021	1183	100.00%	99.92%	0	1183	100.00%	99.58%	0	3
19/10/2021	1318	99.72%	99.62%	0	1318	100.00%	99.54%	0	3
20/10/2021	1263	100.00%	99.84%	0	1263	100.00%	99.52%	0	3
21/10/2021	1354	100.00%	99.78%	0	1354	100.00%	99.63%	0	3
22/10/2021	1318	100.00%	99.85%	0	1318	100.00%	99.92%	0	3
23/10/2021	1315	99.93%	99.70%	0	1315	100.00%	99.85%	0	3
24/10/2021	1316	100.00%	99.77%	0	1316	100.00%	99.70%	0	3
25/10/2021	1318	99.86%	99.77%	0	1318	100.00%	99.92%	0	3
26/10/2021	1114	100.00%	99.73%	0	1114	100.00%	99.64%	0	3
27/10/2021	1196	100.00%	99.58%	0	1196	100.00%	99.67%	0	3
28/10/2021	1171	100.00%	99.91%	0	1171	100.00%	99.83%	0	3
29/10/2021	1234	100.00%	99.68%	0	1234	100.00%	99.68%	0	3
30/10/2021	1205	100.00%	99.83%	0	1205	100.00%	99.83%	0	3
31/10/2021	1190	100.00%	99.75%	0	1190	100.00%	99.92%	0	3
01/11/2021	1266	100.00%	99.76%	0	1266	100.00%	100.00%	0	3
02/11/2021	1308	100.00%	99.92%	0	1308	100.00%	99.85%	0	3
03/11/2021	1309	100.00%	99.92%	0	1309	100.00%	100.00%	0	3
04/11/2021	1310	100.00%	99.85%	0	1310	100.00%	99.85%	0	3
05/11/2021	1312	100.00%	99.77%	0	1312	100.00%	100.00%	0	3
06/11/2021	1348	100.00%	99.78%	0	1348	100.00%	99.93%	0	3
07/11/2021	1330	100.00%	99.92%	0	1330	100.00%	99.92%	0	3
08/11/2021	1310	100.00%	99.77%	0	1310	100.00%	99.85%	0	3
09/11/2021	1313	100.00%	99.77%	0	1313	100.00%	99.54%	0	3
10/11/2021	1242	99.22%	99.76%	0	1242	100.00%	99.52%	0	3
11/11/2021	1197	100.00%	99.92%	0	1197	100.00%	99.75%	0	3
12/11/2021	1192	100.00%	99.92%	0	1192	100.00%	99.75%	0	3
13/11/2021	1093	100.00%	99.91%	0	1093	100.00%	99.91%	0	3
14/11/2021	1305	100.00%	99.85%	0	1305	100.00%	99.92%	0	3
15/11/2021	1306	100.00%	99.92%	0	1306	100.00%	99.85%	0	3
16/11/2021	1344	100.00%	99.93%	0	1344	100.00%	99.70%	0	3
17/11/2021	1320	100.00%	99.62%	0	1320	100.00%	99.70%	0	3
18/11/2021	1304	100.00%	99.77%	0	1304	100.00%	100.00%	0	3
19/11/2021	1309	100.00%	99.92%	0	1309	100.00%	99.92%	0	3
20/11/2021	1311	99.93%	99.69%	0	1311	100.00%	100.00%	0	3
21/11/2021	1308	100.00%	99.62%	1	1308	100.00%	99.85%	0	0
22/11/2021	1310	99.93%	99.92%	0	1310	100.00%	99.85%	0	3
23/11/2021	1251	100.00%	99.92%	0	1251	100.00%	99.92%	0	3
24/11/2021	1198	99.93%	99.83%	0	1198	100.00%	99.92%	0	3
25/11/2021	1208	100.00%	99.83%	0	1208	100.00%	100.00%	0	3
26/11/2021	1206	99.86%	99.83%	0	1206	100.00%	100.00%	0	3
27/11/2021	1209	100.00%	99.92%	0	1209	100.00%	99.75%	0	3
28/11/2021	1166	100.00%	99.91%	0	1166	100.00%	99.91%	0	3
29/11/2021	1176	100.00%	99.83%	0	1176	100.00%	100.00%	0	3
30/11/2021	1309	100.00%	99.85%	0	1309	100.00%	100.00%	0	3
01/12/2021	1250	100.00%	99.76%	0	1250	100.00%	99.76%	0	3
02/12/2021	1306	100.00%	99.62%	0	1306	100.00%	100.00%	0	3
03/12/2021	1225	100.00%	99.67%	0	1225	100.00%	100.00%	0	3
04/12/2021	1194	100.00%	99.92%	0	1194	100.00%	100.00%	0	3
05/12/2021	1194	100.00%	99.75%	0	1194	100.00%	99.41%	0	3
06/12/2021	1376	99.93%	99.85%	0	1376	100.00%	99.78%	0	3
07/12/2021	1244	100.00%	99.60%	0	1244	100.00%	100.00%	0	3
08/12/2021	1309	99.93%	99.92%	0	1309	100.00%	99.77%	0	3
09/12/2021	1244	100.00%	99.76%	0	1244	100.00%	99.92%	0	3
10/12/2021	1309	99.58%	99.77%	0	1309	100.00%	99.69%	0	3
11/12/2021	1246	100.00%	99.60%	0	1246	100.00%	100.00%	0	3
12/12/2021	1192	100.00%	100.00%	0	1192	100.00%	100.00%	0	3
13/12/2021	1244	100.00%	99.84%	0	1244	100.00%	99.92%	0	3
14/12/2021	1309	100.00%	99.92%	0	1309	100.00%	100.00%	0	3
15/12/2021	1249	100.00%	99.84%	0	1249	100.00%	99.76%	0	3
16/12/2021	1310	99.15%	99.62%	0	1310	100.00%	99.62%	0	3
17/12/2021	1098	100.00%	99.82%	0	1098	100.00%	99.36%	0	3
18/12/2021	1144	96.72%	99.83%	0	1144	100.00%	99.83%	0	3
19/12/2021	1030	100.00%	82.04%	7	1030	100.00%	67.61%	68	0
20/12/2021	1235	99.50%	99.76%	0	1235	100.00%	99.27%	0	3
21/12/2021	1211	100.00%	99.67%	0	1211	100.00%	95.95%	0	3
22/12/2021	1160	99.36%	99.57%	0	1160	100.00%	99.65%	0	3
23/12/2021	1253	100.00%	99.76%	0	1253	100.00%	99.84%	0	3
24/12/2021	1255	99.71%	99.52%	0	1255	100.00%	99.76%	0	3
25/12/2021	1222	100.00%	99.75%	0	1222	100.00%	99.51%	0	3
26/12/2021	1218	99.93%	99.75%	0	1218	100.00%	99.75%	0	3
27/12/2021	1230	100.00%	99.92%	0	1230	100.00%	99.92%	0	3
28/12/2021	1277	99.43%	99.53%	0	1277	100.00%	99.61%	1	0
29/12/2021	1290	100.00%	99.92%	0	1290	100.00%	99.69%	0	3
30/12/2021	1313	100.00%	99.62%	0	1313	100.00%	99.77%	0	3
31/12/2021	1161	100.00%	99.83%	0	1161	100.00%	99.57%	0	3
01/01/2022	1318	98.66%	99.70%	0	1318	100.00%	99.92%	0	3
02/01/2022	1314	100.00%	99.85%	0	1314	100.00%	99.70%	0	3
03/01/2022	1250	99.86%	99.68%	0	1250	100.00%	99.84%	0	3
04/01/2022	1316	100.00%	99.92%	0	1316	100.00%	99.77%	0	3

05/01/2022	1299	99.79%	99.77%	0	1299	100.00%	99.92%	0	3
06/01/2022	1254	100.00%	99.68%	0	1254	100.00%	100.00%	0	3
07/01/2022	1317	100.00%	99.77%	0	1317	100.00%	99.92%	0	3
08/01/2022	1287	100.00%	99.84%	0	1287	100.00%	99.77%	0	3
09/01/2022	1313	100.00%	99.54%	0	1313	100.00%	99.92%	0	3
10/01/2022	1316	100.00%	99.92%	0	1316	100.00%	99.92%	0	3
11/01/2022	1144	99.86%	99.74%	0	1144	100.00%	100.00%	0	3
12/01/2022	1257	100.00%	99.92%	0	1257	100.00%	100.00%	0	3
13/01/2022	1314	100.00%	99.85%	0	1314	100.00%	99.85%	0	3
14/01/2022	1315	100.00%	99.77%	0	1315	100.00%	99.85%	0	3
15/01/2022	1315	100.00%	99.39%	1	1315	100.00%	100.00%	0	0
16/01/2022	1315	100.00%	99.77%	0	1315	100.00%	99.85%	0	3
17/01/2022	1316	100.00%	99.62%	0	1316	100.00%	99.54%	0	3
18/01/2022	1317	100.00%	99.77%	0	1317	100.00%	99.70%	0	3
19/01/2022	1315	99.86%	99.77%	0	1315	100.00%	99.47%	0	3
20/01/2022	1297	100.00%	99.77%	0	1297	100.00%	99.92%	0	3
21/01/2022	1313	100.00%	99.77%	0	1313	100.00%	99.77%	0	3
22/01/2022	1313	100.00%	99.77%	0	1313	100.00%	99.70%	0	3
23/01/2022	1247	99.86%	99.76%	0	1247	100.00%	99.84%	0	3
24/01/2022	1322	100.00%	99.62%	0	1322	100.00%	99.55%	0	3
25/01/2022	1225	99.86%	99.84%	0	1225	100.00%	99.84%	0	3
26/01/2022	1301	100.00%	99.85%	0	1301	100.00%	99.62%	0	3
27/01/2022	1242	99.58%	99.68%	0	1242	100.00%	99.28%	0	3
28/01/2022	1307	100.00%	99.69%	0	1307	100.00%	99.54%	0	3
29/01/2022	1307	100.00%	99.69%	0	1307	100.00%	99.92%	0	3
30/01/2022	1308	100.00%	99.62%	0	1308	100.00%	99.62%	0	3
31/01/2022	1310	99.65%	99.77%	0	1310	100.00%	99.69%	0	3
01/02/2022	1247	100.00%	99.84%	0	1247	100.00%	99.52%	0	3
02/02/2022	1228	100.00%	99.84%	0	1228	100.00%	99.76%	0	3
03/02/2022	1262	100.00%	99.76%	0	1262	100.00%	99.45%	0	3
04/02/2022	1312	100.00%	99.85%	0	1312	100.00%	99.70%	0	3
05/02/2022	1242	100.00%	99.52%	0	1242	100.00%	99.54%	0	3
06/02/2022	1311	99.65%	98.70%	1	1311	98.78%	99.85%	0	0
07/02/2022	1315	100.00%	99.92%	0	1315	100.00%	99.85%	0	3
08/02/2022	1277	99.36%	99.69%	0	1277	100.00%	99.77%	0	3
09/02/2022	1294	100.00%	99.92%	0	1294	100.00%	99.77%	0	3
10/02/2022	1313	99.58%	99.62%	0	1313	100.00%	96.57%	0	3
11/02/2022	1278	100.00%	100.00%	0	1278	100.00%	94.86%	0	0
12/02/2022	1258	98.72%	91.02%	1	1258	100.00%	73.45%	0	0
13/02/2022	1301	100.00%	99.39%	0	1301	100.00%	99.69%	0	3
14/02/2022	1250	99.71%	99.92%	0	1250	100.00%	99.85%	0	3
15/02/2022	1315	100.00%	99.70%	0	1315	100.00%	96.43%	0	3
16/02/2022	1253	98.43%	87.31%	0	1253	100.00%	75.60%	2	0
17/02/2022	1253	100.00%	80.29%	0	1253	100.00%	66.48%	3	0
18/02/2022	1250	91.07%	69.12%	0	1250	100.00%	57.36%	1	0
19/02/2022	1251	100.00%	70.42%	0	1251	100.00%	55.67%	0	0
20/02/2022	1250	100.00%	96.80%	0	1250	100.00%	95.89%	2	0
21/02/2022	1199	100.00%	83.15%	0	1199	100.00%	70.58%	3	0
22/02/2022	1092	92.57%	97.62%	0	1092	100.00%	92.95%	0	0
23/02/2022	1254	100.00%	90.99%	0	1254	100.00%	77.51%	0	0
24/02/2022	1293	99.57%	97.06%	0	1293	100.00%	85.31%	0	0
25/02/2022	1096	100.00%	100.00%	0	1096	100.00%	99.82%	0	3
26/02/2022	1228	99.93%	99.84%	0	1228	100.00%	99.85%	0	3
27/02/2022	1178	100.00%	89.22%	0	1178	100.00%	77.99%	0	0
28/02/2022	1163	86.87%	95.79%	0	1163	100.00%	87.54%	0	0
01/03/2022	1132	100.00%	92.67%	0	1132	100.00%	82.56%	0	0
02/03/2022	1176	53.10%	71.51%	0	1176	100.00%	64.03%	0	0
03/03/2022	1138	100.00%	95.96%	0	1138	100.00%	63.68%	0	0
04/03/2022	1149	31.67%	70.93%	0	1149	100.00%	40.23%	3	0
05/03/2022	1169	100.00%	49.79%	1	1169	100.00%	35.73%	0	0
06/03/2022	1154	61.00%	86.31%	1	1154	100.00%	70.19%	0	0
07/03/2022	1179	100.00%	87.28%	0	1179	100.00%	74.64%	0	0
08/03/2022	1179	98.33%	99.49%	0	1179	100.00%	95.93%	0	3
09/03/2022	1001	100.00%	75.32%	0	1001	100.00%	42.94%	179	0
10/03/2022	1184	18.20%	8.70%	0	1184	100.00%	8.45%	3	0
11/03/2022	1169	100.00%	5.82%	0	1169	100.00%	5.73%	50	0
12/03/2022	1154	11.23%	7.37%	7	1154	100.00%	7.09%	284	0
13/03/2022	1080	100.00%	70.56%	0	1080	100.00%	60.83%	0	0
14/03/2022	1071	67.80%	87.96%	0	1071	100.00%	63.08%	3	0
15/03/2022	1090	100.00%	97.43%	0	1090	100.00%	80.64%	0	0
16/03/2022	1184	100.00%	95.10%	0	1184	100.00%	76.60%	0	0
17/03/2022	1090	100.00%	99.54%	0	1090	100.00%	99.54%	0	3
18/03/2022	1121	100.00%	99.91%	0	1121	100.00%	99.82%	0	3
19/03/2022	1221	100.00%	99.75%	0	1221	100.00%	99.84%	0	3
20/03/2022	1174	100.00%	99.91%	0	1174	100.00%	99.49%	0	3
21/03/2022	1134	100.00%	100.00%	0	1134	100.00%	99.82%	0	3
22/03/2022	1238	99.86%	99.76%	0	1238	100.00%	99.76%	0	3
23/03/2022	1141	100.00%	99.91%	0	1141	100.00%	98.22%	0	3
24/03/2022	1196	99.85%	96.32%	0	1196	100.00%	87.12%	0	0
25/03/2022	1217	100.00%	99.75%	0	1217	100.00%	99.67%	0	3
26/03/2022	1240	100.00%	99.76%	0	1240	100.00%	99.92%	0	3
27/03/2022	1236	100.00%	99.76%	0	1236	100.00%	99.60%	0	3
28/03/2022	1243	99.79%	99.76%	0	1243	100.00%	97.16%	0	3
29/03/2022	1242	100.00%	99.76%	0	1242	100.00%	99.03%	0	3
30/03/2022	1189	99.79%	99.75%	0	1189	100.00%	97.22%	0	3
31/03/2022	1181	100.00%	100.00%	0	1181	100.00%	99.32%	0	3
01/04/2022	1247	99.71%	100.00%	0	1247	100.00%	99.60%	0	3
02/04/2022	1160	100.00%	99.91%	0	1160	100.00%	99.14%	0	3
03/04/2022	1170	100.00%	99.83%	0	1170	100.00%	99.32%	0	3
04/04/2022	1259	99.93%	99.84%	0	1259	100.00%	99.92%	0	3
05/04/2022	1280	99.93%	100.00%	0	1280	100.00%	99.61%	0	3
06/04/2022	1263	99.93%	100.00%	0	1263	100.00%	99.68%	0	3
07/04/2022	1231	99.86%	99.76%	0	1231	100.00%	99.76%	0	3
08/04/2022	1232	99.86%	100.00%	0	1232	100.00%	99.68%	0	3
09/04/2022	1239	99.93%	99.76%	0	1239	100.00%	99.76%	0	3
10/04/2022	1232	99.71%	99.68%	0	1232	100.00%	99.76%	0	3
11/04/2022	1233	99.93%	99.68%	0	1233	100.00%	99.84%	0	3

12/04/2022	1235	100.00%	99.76%	0	1235	100.00%	99.76%	0	3
13/04/2022	1240	99.64%	99.84%	0	1240	100.00%	98.71%	0	3
14/04/2022	1242	99.64%	99.68%	0	1242	100.00%	99.12%	0	3
15/04/2022	1152	99.50%	99.83%	0	1152	100.00%	99.22%	0	3
16/04/2022	1132	100.00%	99.56%	0	1132	100.00%	100.00%	0	3
17/04/2022	1197	100.00%	99.75%	0	1197	100.00%	99.83%	0	3
18/04/2022	1303	100.00%	100.00%	0	1303	100.00%	99.62%	0	3
19/04/2022	1260	99.93%	99.84%	0	1260	100.00%	99.84%	0	3
20/04/2022	1261	100.00%	99.92%	0	1261	100.00%	99.84%	0	3
21/04/2022	1261	99.86%	99.92%	0	1261	100.00%	99.92%	0	3
22/04/2022	1131	99.93%	99.65%	0	1131	100.00%	99.82%	0	3
23/04/2022	1238	99.71%	99.76%	0	1238	100.00%	99.84%	0	3
24/04/2022	1230	99.93%	99.76%	0	1230	100.00%	99.84%	0	3
25/04/2022	1229	99.71%	99.84%	0	1229	100.00%	99.85%	0	3
26/04/2022	1233	100.00%	99.92%	0	1233	100.00%	99.76%	0	3
27/04/2022	1238	100.00%	99.92%	0	1238	100.00%	99.92%	0	3
28/04/2022	1237	95.50%	99.84%	0	1237	100.00%	95.63%	0	3
29/04/2022	1238	99.79%	100.00%	0	1238	100.00%	98.95%	0	3
30/04/2022	1218	99.93%	99.92%	0	1218	100.00%	99.92%	0	3
Monthly Compliance		98.77%	98.13%	35		100.00%	96.27%	625	
Operator / Suppliers Comments									
DWA Comments									
Site Information									
Community	WES001		Westport		DWSNZ 2005 (2018)				
Population	4,974				4.2.2a: Continuous Chlorination				
Source	S00016, S01038		Giles Creek, Orowati River		5.5: Coagulation, direct filtration				
Treatment Plant	TP00022		Sergeants Hill, Westport		5.16: UV Disinfection				
Distribution	WES001CA, WES001WE		Carters Beach, Westport						

Westport Water Treatment Plant
DWSNZ Compliance Report
April 2022

Date	Bacterial Compliance	Protozoal Compliance		Supplier's Comments
		Required Log Credits: 5		
		Filters	UV	
		2.5	3	
01/04/2022	Yes	2.5	3	
02/04/2022	Yes	2.5	3	
03/04/2022	Yes	2.5	3	
04/04/2022	No	2.5	3	
05/04/2022	Yes	2.5	3	
06/04/2022	No	2.5	3	
07/04/2022	Yes	2.5	3	
08/04/2022	Yes	2.5	3	
09/04/2022	Yes	2.5	3	
10/04/2022	Yes	2.5	3	
11/04/2022	Yes	2.5	3	
12/04/2022	Yes	2.5	3	
13/04/2022	No	2.5	3	
14/04/2022	Yes	2.5	3	
15/04/2022	No	2.5	3	
16/04/2022	Yes	2.5	3	
17/04/2022	Yes	2.5	3	
18/04/2022	Yes	2.5	3	
19/04/2022	Yes	2.5	3	
20/04/2022	Yes	2.5	3	
21/04/2022	Yes	2.5	3	
22/04/2022	Yes	2.5	3	
23/04/2022	Yes	2.5	3	
24/04/2022	Yes	2.5	3	
25/04/2022	Yes	2.5	3	
26/04/2022	Yes	2.5	3	
27/04/2022	Yes	2.5	3	
28/04/2022	Yes	0	3	
29/04/2022	Yes	0	3	
30/04/2022	Yes	2.5	3	

Equipment	Total Monthly Run Time	Minutes NTU > 0.3	Minutes NTU > 0.5	Minutes NTU > 1 (3 mins)
Filter 1	42039	114	24	0
Filter 2	42039	364	19	0

Equipment	Total Monthly Run Time	Minutes UV flow > validated flow	Minutes Intensity < validated intensity	Minutes Intensity < 80% of validated intensity
UV1	36821	96.76	59	0
UV2	36821	0.00	178.7666942	0

Westport Water Treatment Plant								
DWSNZ 4.2.2a Compliance Report								
April 2022								
Date	Flow To Service	Residual Chlorine				Treated Water Turbidity		Compliance Achieved
		FACe	C.t	Transgression		1 min	3 min	
		1 min	1 min	1 min	60 min	1 min	3 min	
		>= 0.2 g/m ³	>= 6 mg/L*min	< 0.1 g/m ³	< 0.2 g/m ³	<= 1.0 NTU	> 2.0 NTU	
		DWSNZ 2005 (2008) 4.3.2.1(3)	DWSNZ 2005 (2018) 4.2.2(a)(3)	DWSNZ 2005 (2018) 4.2.9	DWSNZ 2005 (2018) 4.2.9	DWSNZ 2005 (2018) 4.2.2(a)(4a)	DWSNZ 2005 (2018) 4.2.2(a)(4b)	
	min/day	98%	98%	1	1	95%	1	
01/04/2022	1440	100.00%	98.19%	0	0	100.00%	0	Yes
02/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/04/2022	1440	100.00%	99.17%	0	0	100.00%	0	Yes
04/04/2022	1440	98.40%	97.71%	22	0	100.00%	0	No
05/04/2022	1440	100.00%	99.24%	0	0	100.00%	0	Yes
06/04/2022	1440	100.00%	97.50%	0	0	100.00%	0	No
07/04/2022	1440	100.00%	98.33%	0	0	100.00%	0	Yes
08/04/2022	1440	100.00%	98.19%	0	0	100.00%	0	Yes
09/04/2022	1440	100.00%	99.79%	0	0	100.00%	0	Yes
10/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/04/2022	1440	100.00%	98.82%	0	0	100.00%	0	Yes
12/04/2022	1440	100.00%	99.10%	0	0	100.00%	0	Yes
13/04/2022	1440	100.00%	97.78%	0	0	100.00%	0	No
14/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
15/04/2022	1440	100.00%	97.78%	0	0	100.00%	0	No
16/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
17/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/04/2022	1440	100.00%	99.24%	0	0	100.00%	0	Yes
19/04/2022	1440	100.00%	99.10%	0	0	100.00%	0	Yes
20/04/2022	1440	100.00%	99.65%	0	0	100.00%	0	Yes
21/04/2022	1440	100.00%	99.79%	0	0	100.00%	0	Yes
22/04/2022	1440	100.00%	99.86%	0	0	100.00%	0	Yes
23/04/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
24/04/2022	1440	100.00%	99.65%	0	0	100.00%	0	Yes
25/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/04/2022	1440	100.00%	98.96%	0	0	100.00%	0	Yes
27/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
28/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
30/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
Monthly Compliance		99.95%	99.18%	22	0	100.00%	0	
Operator / Suppliers Comments								
DWA Comments								
Site Information								
Community		WES001		Westport		DWSNZ 2005 (2018)		
Population		4,974				4.2.2a: Continuous Chlorination		
Source		S00016, S01038		Giles Creek, Orowati River		5.5: Coagulation, direct filtration		
Treatment Plant		TP00022		Sergeants Hill, Westport		5.16: UV Disinfection		

Distribution	WES001CA, WES001WE	Carters Beach, Westport	
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Westport Water Treatment Plant									
DWSNZ 5.5 Compliance Report									
April 2022									
Date	Filter 1 Runtime	Filter 1 Turbidity			Filter 1 Runtime	Filter 2 Turbidity			Log Credit Achieved
		Criterion 5.5 - 2.5 Log Credits				Criterion 5.5 - 2.5 Log Credits			
		1 min	1 min	3 min		1 min	1 min	3 min	
		<= 0.3 NTU	<= 0.5 NTU	> 1.0 NTU		<= 0.3 NTU	<= 0.5 NTU	> 1.0 NTU	
		DWSNZ 2005 (2018) 5.5.1(2a)(i)	DWSNZ 2005 (2018) 5.5.1(2a)(ii)	DWSNZ 2005 (2018) 5.5.1(2a)(iii)		DWSNZ 2005 (2018) 5.5.1(2a)(i)	DWSNZ 2005 (2018) 5.5.1(2a)(ii)	DWSNZ 2005 (2018) 5.5.1(2a)(iii)	
	mins/day	95%	99%	1	mins/day	95%	99%	1	
01/04/2022	1400	99.71%	100.00%	0	1400	100.00%	100.00%	0	2.5
02/04/2022	1400	100.00%	100.00%	0	1400	99.64%	100.00%	0	2.5
03/04/2022	1402	100.00%	100.00%	0	1402	100.00%	100.00%	0	2.5
04/04/2022	1400	99.93%	99.93%	0	1400	99.93%	99.93%	0	2.5
05/04/2022	1405	99.93%	100.00%	0	1405	100.00%	100.00%	0	2.5
06/04/2022	1413	99.93%	100.00%	0	1413	99.86%	99.93%	0	2.5
07/04/2022	1399	99.86%	99.86%	0	1399	99.79%	99.86%	0	2.5
08/04/2022	1401	99.86%	99.86%	0	1401	99.86%	99.86%	0	2.5
09/04/2022	1400	99.93%	100.00%	0	1400	99.86%	99.93%	0	2.5
10/04/2022	1400	99.71%	99.93%	0	1400	100.00%	100.00%	0	2.5
11/04/2022	1399	99.93%	100.00%	0	1399	99.93%	99.93%	0	2.5
12/04/2022	1400	100.00%	100.00%	0	1400	99.93%	100.00%	0	2.5
13/04/2022	1400	99.64%	99.71%	0	1400	100.00%	100.00%	0	2.5
14/04/2022	1399	99.64%	99.79%	0	1399	99.93%	99.93%	0	2.5
15/04/2022	1400	99.50%	99.79%	0	1400	99.79%	99.86%	0	2.5
16/04/2022	1399	100.00%	100.00%	0	1399	100.00%	100.00%	0	2.5
17/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
18/04/2022	1420	100.00%	100.00%	0	1420	100.00%	100.00%	0	2.5
19/04/2022	1400	99.93%	100.00%	0	1400	99.93%	99.93%	0	2.5
20/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
21/04/2022	1400	99.86%	99.93%	0	1400	99.93%	99.93%	0	2.5
22/04/2022	1407	99.93%	100.00%	0	1407	99.93%	99.93%	0	2.5
23/04/2022	1400	99.71%	99.86%	0	1400	99.86%	99.86%	0	2.5
24/04/2022	1400	99.93%	99.93%	0	1400	99.93%	99.93%	0	2.5
25/04/2022	1399	99.71%	99.79%	0	1399	99.93%	100.00%	0	2.5
26/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
27/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
28/04/2022	1400	95.50%	99.93%	0	1400	83.36%	100.00%	0	0
29/04/2022	1399	99.79%	100.00%	0	1399	92.78%	100.00%	0	0
30/04/2022	1397	99.93%	100.00%	0	1397	99.86%	99.86%	0	2.5
Monthly Compliance		99.73%	99.94%	0		99.13%	99.95%	0	
Operator / Suppliers Comments									
DWA Comments									
Site Information									
Community			WES001		Westport		DWSNZ 2005 (2018)		
Population			4,974				4.2.2a: Continuous Chlorination		
Source			S00016, S01038		Giles Creek, Orowati River		5.5: Coagulation, direct filtration		
Treatment Plant			TP00022		Sergeants Hill, Westport		5.16: UV Disinfection		

Distribution	WES001CA, WES001WE	Carters Beach, Westport	
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Westport Water Treatment Plant
DWSNZ 5.16 Compliance Report
April 2022

Date	UV 1 Runtime	UV 1			UV 1 Runtime	UV 2			Log Credit Achieved
		Criterion 5.16 - 3 Log Credits				Criterion 5.16 - 3 Log Credits			
		Flow	UVI	UVI (3mins)		Flow	UVI	UVI (3mins)	
		<= 95%	>=95%	>=80%		<= 95%	>=95%	>=80%	
	DWSNZ 2005 (2018)	DWSNZ 2005 (2018)	DWSNZ 2005 (2018)	DWSNZ 2005 (2018)	DWSNZ 2005 (2018)	DWSNZ 2005 (2018)			
	mins/day	95%	95%	0.8	mins/day	95%	95%	0.8	
01/04/2022	1247	100.00%	100.00%	0	1247	100.00%	99.60%	0	3
02/04/2022	1160	100.00%	99.91%	0	1160	100.00%	99.14%	0	3
03/04/2022	1170	100.00%	99.83%	0	1170	100.00%	99.32%	0	3
04/04/2022	1259	99.93%	99.84%	0	1259	100.00%	99.92%	0	3
05/04/2022	1280	99.93%	100.00%	0	1280	100.00%	99.61%	0	3
06/04/2022	1263	99.93%	100.00%	0	1263	100.00%	99.68%	0	3
07/04/2022	1231	99.86%	99.76%	0	1231	100.00%	99.76%	0	3
08/04/2022	1232	99.86%	100.00%	0	1232	100.00%	99.68%	0	3
09/04/2022	1239	99.93%	99.76%	0	1239	100.00%	99.76%	0	3
10/04/2022	1232	99.71%	99.68%	0	1232	100.00%	99.76%	0	3
11/04/2022	1233	99.93%	99.68%	0	1233	100.00%	99.84%	0	3
12/04/2022	1235	100.00%	99.76%	0	1235	100.00%	99.76%	0	3
13/04/2022	1240	99.64%	99.84%	0	1240	100.00%	98.71%	0	3
14/04/2022	1242	99.64%	99.68%	0	1242	100.00%	99.12%	0	3
15/04/2022	1152	99.50%	99.83%	0	1152	100.00%	99.22%	0	3
16/04/2022	1132	100.00%	99.56%	0	1132	100.00%	100.00%	0	3
17/04/2022	1197	100.00%	99.75%	0	1197	100.00%	99.83%	0	3
18/04/2022	1303	100.00%	100.00%	0	1303	100.00%	99.62%	0	3
19/04/2022	1260	99.93%	99.84%	0	1260	100.00%	99.84%	0	3
20/04/2022	1261	100.00%	99.92%	0	1261	100.00%	99.84%	0	3
21/04/2022	1261	99.86%	99.92%	0	1261	100.00%	99.92%	0	3
22/04/2022	1131	99.93%	99.65%	0	1131	100.00%	99.82%	0	3
23/04/2022	1238	99.71%	99.76%	0	1238	100.00%	99.84%	0	3
24/04/2022	1230	99.93%	99.76%	0	1230	100.00%	99.84%	0	3
25/04/2022	1229	99.71%	99.84%	0	1229	100.00%	99.85%	0	3
26/04/2022	1233	100.00%	99.92%	0	1233	100.00%	99.76%	0	3
27/04/2022	1238	100.00%	99.92%	0	1238	100.00%	99.92%	0	3
28/04/2022	1237	95.50%	99.84%	0	1237	100.00%	95.63%	0	3
29/04/2022	1238	99.79%	100.00%	0	1238	100.00%	98.95%	0	3
30/04/2022	1218	99.93%	99.92%	0	1218	100.00%	99.92%	0	3
Monthly Compliance		99.74%	99.84%	0		100.00%	99.51%	0	
Operator / Suppliers Comments									
DWA Comments									
Site Information									
Community		WES001			Westport		DWSNZ 2005 (2018)		
Population		4,974					4.2.2a: Continous Chlorination		
Source		S00016, S01038			Giles Creek, Orowati River		5.5: Coagulation, direc filtraton		
Treatment Plant		TP00022			Sergeants Hill, Westport		5.16: UV Disinfection		
Distribution		WES001CA, WES001WE			Carters Beach, Westport				

Westport Water Treatment Plant Annual Report								
DWSNZ 4.2.2a Compliance Report								
April 2021								
Date	Flow To Service	Residual Chlorine				Treated Water Turbidity		Compliance Achieved
		FACe	C.t	Transgression		1 min	3 min	
		1 min	1 min	1 min	60 min	1 min	3 min	
		>= 0.2 g/m ³	>= 6 mg/L*min	< 0.1 g/m ³	< 0.2 g/m ³	<= 1.0 NTU	> 2.0 NTU	
		DWSNZ 2005 (2008) 4.3.2.1(3)	DWSNZ 2005 (2018) 4.2.2(a)(3)	DWSNZ 2005 (2018) 4.2.9	DWSNZ 2005 (2018) 4.2.9	DWSNZ 2005 (2018) 4.2.2(a)(4a)	DWSNZ 2005 (2018) 4.2.2(a)(4b)	
	min/day	98%	98%	1	1	95%	1	
01/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
04/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
05/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
06/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
07/04/2021	1440	99.93%	99.79%	1	0	100.00%	0	No
08/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/04/2021	1440	100.00%	99.51%	0	0	100.00%	0	Yes
13/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
15/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
19/04/2021	1440	99.93%	99.93%	0	0	100.00%	0	Yes
20/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
21/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
22/04/2021	1440	100.00%	99.38%	0	0	100.00%	0	Yes
23/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
24/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
25/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
27/04/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
28/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
30/04/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
01/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/05/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
04/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
05/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
06/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
07/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
15/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/05/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
18/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
19/05/2021	1431	79.32%	79.32%	296	7140	100.00%	0	No
20/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
21/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
22/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes

23/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
24/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
25/05/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
26/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
27/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
30/05/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
31/05/2021	1440	99.93%	99.93%	0	0	100.00%	0	Yes
01/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
04/06/2021	1430	99.65%	99.44%	5	0	100.00%	0	No
05/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
06/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
07/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
15/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
19/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
20/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
21/06/2021	1440	99.93%	99.93%	0	0	100.00%	0	Yes
22/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
23/06/2021	1440	99.86%	99.79%	2	0	100.00%	0	No
24/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
25/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
27/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/06/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/06/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
30/06/2021	1440	100.00%	100.00%	0	0	99.24%	9	No
01/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/07/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
04/07/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
05/07/2021	1440	99.79%	99.79%	0	0	100.00%	0	Yes
06/07/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
07/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
15/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
19/07/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
20/07/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
21/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
22/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
23/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
24/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
25/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes

27/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
30/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
31/07/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
01/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
04/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
05/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
06/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
07/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/08/2021	1440	99.93%	99.51%	0	0	100.00%	0	Yes
10/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/08/2021	1440	97.08%	97.08%	41	0	100.00%	0	No
12/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/08/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
15/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/08/2021	1440	99.79%	99.65%	0	0	100.00%	0	Yes
17/08/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
18/08/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
19/08/2021	1440	100.00%	99.38%	0	0	100.00%	0	Yes
20/08/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
21/08/2021	1440	100.00%	99.65%	0	0	100.00%	0	Yes
22/08/2021	1440	100.00%	99.72%	0	0	100.00%	0	Yes
23/08/2021	1440	99.86%	99.86%	0	0	100.00%	0	Yes
24/08/2021	1440	100.00%	99.44%	0	0	100.00%	0	Yes
25/08/2021	1440	100.00%	97.22%	0	0	100.00%	0	No
26/08/2021	1440	100.00%	99.31%	0	0	100.00%	0	Yes
27/08/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/08/2021	1440	100.00%	98.96%	0	0	100.00%	0	Yes
29/08/2021	1440	100.00%	99.72%	0	0	100.00%	0	Yes
30/08/2021	1440	100.00%	98.75%	0	0	100.00%	0	Yes
31/08/2021	1440	100.00%	99.72%	0	0	100.00%	0	Yes
01/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/09/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
03/09/2021	1440	100.00%	99.24%	0	0	100.00%	0	Yes
04/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
05/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
06/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
07/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
15/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
19/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
20/09/2021	1440	97.78%	97.57%	32	0	100.00%	0	No
21/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
22/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
23/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
24/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
25/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/09/2021	1440	100.00%	99.72%	0	0	100.00%	0	Yes
27/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/09/2021	1440	100.00%	99.38%	0	0	100.00%	0	Yes
29/09/2021	1440	100.00%	98.33%	0	0	100.00%	0	Yes

30/09/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
01/10/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
02/10/2021	1440	100.00%	99.72%	0	0	100.00%	0	Yes
03/10/2021	1440	100.00%	99.58%	0	0	100.00%	0	Yes
04/10/2021	1440	99.79%	99.65%	0	0	100.00%	0	Yes
05/10/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
06/10/2021	1440	100.00%	99.51%	0	0	100.00%	0	Yes
07/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/10/2021	1440	99.72%	99.65%	0	0	100.00%	0	Yes
12/10/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
13/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
15/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/10/2021	1440	59.03%	49.93%	366	15960	100.00%	0	No
19/10/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
20/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
21/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
22/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
23/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
24/10/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
25/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/10/2021	1440	98.54%	98.61%	19	0	100.00%	0	No
27/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/10/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
30/10/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
31/10/2021	1440	100.00%	99.24%	0	0	100.00%	0	Yes
01/11/2021	1440	99.93%	99.31%	0	0	100.00%	0	Yes
02/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
04/11/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
05/11/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
06/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
07/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/11/2021	1440	99.86%	99.93%	0	0	100.00%	0	Yes
09/11/2021	1440	100.00%	99.58%	0	0	100.00%	0	Yes
10/11/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
11/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/11/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
14/11/2021	1440	100.00%	99.58%	0	0	100.00%	0	Yes
15/11/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
16/11/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
17/11/2021	1440	100.00%	99.79%	0	0	100.00%	0	Yes
18/11/2021	1440	100.00%	99.58%	0	0	100.00%	0	Yes
19/11/2021	1440	100.00%	99.24%	0	0	100.00%	0	Yes
20/11/2021	1440	100.00%	99.58%	0	0	100.00%	0	Yes
21/11/2021	1440	100.00%	99.38%	0	0	100.00%	0	Yes
22/11/2021	1440	100.00%	99.17%	0	0	100.00%	0	Yes
23/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
24/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
25/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
27/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
30/11/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
01/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes

04/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
05/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
06/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
07/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
15/12/2021	1440	100.00%	99.65%	0	0	100.00%	0	Yes
16/12/2021	1440	100.00%	99.93%	0	0	100.00%	0	Yes
17/12/2021	1440	100.00%	99.72%	0	0	100.00%	0	Yes
18/12/2021	1440	99.93%	99.93%	1	0	100.00%	0	No
19/12/2021	1408	52.63%	49.93%	666	18240	100.00%	0	No
20/12/2021	1440	100.00%	99.86%	0	0	100.00%	0	Yes
21/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
22/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
23/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
24/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
25/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
27/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
30/12/2021	1440	100.00%	100.00%	0	0	100.00%	0	Yes
31/12/2021	1440	100.00%	99.72%	0	0	100.00%	0	Yes
01/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
02/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/01/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
04/01/2022	1440	100.00%	99.51%	0	0	100.00%	0	Yes
05/01/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
06/01/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
07/01/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
08/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
09/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/01/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
12/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
14/01/2022	1440	100.00%	99.65%	0	0	100.00%	0	Yes
15/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/01/2022	1440	100.00%	99.72%	0	0	100.00%	0	Yes
18/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
19/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
20/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
21/01/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
22/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
23/01/2022	1440	100.00%	99.86%	0	0	100.00%	0	Yes
24/01/2022	1440	99.93%	99.44%	0	0	100.00%	0	Yes
25/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
27/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
28/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
30/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
31/01/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
01/02/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
02/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
04/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
05/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
06/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes

07/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
08/02/2022	1440	99.93%	99.93%	0	0	100.00%	0	Yes
09/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
10/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
12/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
13/02/2022	1440	100.00%	99.79%	0	0	100.00%	0	Yes
14/02/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
15/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
16/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
17/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/02/2022	1440	100.00%	99.86%	0	0	100.00%	0	Yes
19/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
20/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
21/02/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
22/02/2022	1440	100.00%	96.18%	0	0	100.00%	0	No
23/02/2022	1440	100.00%	96.04%	0	0	100.00%	0	No
24/02/2022	1440	100.00%	98.89%	0	0	100.00%	0	Yes
25/02/2022	1186	100.00%	76.14%	0	0	100.00%	0	No
26/02/2022	1440	100.00%	54.93%	0	0	100.00%	0	No
27/02/2022	1440	100.00%	96.39%	0	0	100.00%	0	No
28/02/2022	1440	100.00%	97.29%	0	0	100.00%	0	No
01/03/2022	1440	100.00%	96.67%	0	0	100.00%	0	No
02/03/2022	1440	100.00%	96.18%	0	0	100.00%	0	No
03/03/2022	1440	100.00%	96.04%	0	0	100.00%	0	No
04/03/2022	1440	100.00%	96.39%	0	0	100.00%	0	No
05/03/2022	1440	100.00%	96.25%	0	0	100.00%	0	No
06/03/2022	1440	100.00%	96.88%	0	0	100.00%	0	No
07/03/2022	1440	100.00%	96.46%	0	0	100.00%	0	No
08/03/2022	1440	100.00%	96.53%	0	0	100.00%	0	No
09/03/2022	1440	100.00%	98.75%	0	0	100.00%	0	Yes
10/03/2022	1440	100.00%	98.54%	0	0	100.00%	0	Yes
11/03/2022	1440	100.00%	97.50%	0	0	100.00%	0	No
12/03/2022	1440	90.69%	87.43%	0	2100	100.00%	0	No
13/03/2022	1440	100.00%	98.96%	0	0	100.00%	0	Yes
14/03/2022	1440	100.00%	96.18%	0	0	100.00%	0	No
15/03/2022	1440	100.00%	97.29%	0	0	100.00%	0	No
16/03/2022	1440	100.00%	96.74%	0	0	100.00%	0	No
17/03/2022	1440	100.00%	94.79%	0	0	100.00%	0	No
18/03/2022	1440	100.00%	95.69%	0	0	100.00%	0	No
19/03/2022	1440	100.00%	95.90%	0	0	100.00%	0	No
20/03/2022	1440	100.00%	97.43%	0	0	100.00%	0	No
21/03/2022	1440	100.00%	98.06%	0	0	100.00%	0	Yes
22/03/2022	1427	100.00%	96.50%	0	0	100.00%	0	No
23/03/2022	1440	100.00%	97.92%	0	0	100.00%	0	No
24/03/2022	1440	100.00%	91.39%	0	0	100.00%	0	No
25/03/2022	1440	100.00%	99.17%	0	0	100.00%	0	Yes
26/03/2022	1440	100.00%	99.10%	0	0	100.00%	0	Yes
27/03/2022	1440	100.00%	98.68%	0	0	100.00%	0	Yes
28/03/2022	1440	100.00%	97.50%	0	0	100.00%	0	No
29/03/2022	1440	100.00%	99.44%	0	0	100.00%	0	Yes
30/03/2022	1440	100.00%	97.57%	0	0	100.00%	0	No
31/03/2022	1440	100.00%	97.29%	0	0	100.00%	0	No
01/04/2022	1440	100.00%	98.19%	0	0	100.00%	0	Yes
02/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
03/04/2022	1440	100.00%	99.17%	0	0	100.00%	0	Yes
04/04/2022	1440	98.40%	97.71%	22	0	100.00%	0	No
05/04/2022	1440	100.00%	99.24%	0	0	100.00%	0	Yes
06/04/2022	1440	100.00%	97.50%	0	0	100.00%	0	No
07/04/2022	1440	100.00%	98.33%	0	0	100.00%	0	Yes
08/04/2022	1440	100.00%	98.19%	0	0	100.00%	0	Yes
09/04/2022	1440	100.00%	99.79%	0	0	100.00%	0	Yes
10/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
11/04/2022	1440	100.00%	98.82%	0	0	100.00%	0	Yes
12/04/2022	1440	100.00%	99.10%	0	0	100.00%	0	Yes

13/04/2022	1440	100.00%	97.78%	0	0	100.00%	0	No
14/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
15/04/2022	1440	100.00%	97.78%	0	0	100.00%	0	No
16/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
17/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
18/04/2022	1440	100.00%	99.24%	0	0	100.00%	0	Yes
19/04/2022	1440	100.00%	99.10%	0	0	100.00%	0	Yes
20/04/2022	1440	100.00%	99.65%	0	0	100.00%	0	Yes
21/04/2022	1440	100.00%	99.79%	0	0	100.00%	0	Yes
22/04/2022	1440	100.00%	99.86%	0	0	100.00%	0	Yes
23/04/2022	1440	100.00%	99.93%	0	0	100.00%	0	Yes
24/04/2022	1440	100.00%	99.65%	0	0	100.00%	0	Yes
25/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
26/04/2022	1440	100.00%	98.96%	0	0	100.00%	0	Yes
27/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
28/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
29/04/2022	1440	100.00%	99.38%	0	0	100.00%	0	Yes
30/04/2022	1440	100.00%	100.00%	0	0	100.00%	0	Yes
00/01/1900	0	0.00%	0.00%	0	0	0.00%	0	No
Monthly Compliance		99.68%	99.08%	1451	43440	100.00%	9	
Operator / Suppliers Comments								
DWA Comments								
Site Information								
Community	WES001		Westport		DWSNZ 2005 (2018)			
Population	4,974				4.2.2a: Continuous Chlorination			
Source	S00016, S01038		Giles Creek, Orowati River		5.5: Coagulation, direct filtration			
Treatment Plant	TP00022		Sergeants Hill, Westport		5.16: UV Disinfection			
Distribution	WES001CA, WES001WE		Carters Beach, Westport					

Westport Water Treatment Plant Annual Report

DWSNZ 5.5 Compliance Report

April 2021

Date	Filter 1 Runtime	Filter 1 Turbidity			Filter 1 Runtime	Filter 2 Turbidity			Log Credit Achieved
		Criterion 5.5 - 2.5 Log Credits				Criterion 5.5 - 2.5 Log Credits			
		1 min	1 min	3 min		1 min	1 min	3 min	
		<= 0.3 NTU	<= 0.5 NTU	> 1.0 NTU		<= 0.3 NTU	<= 0.5 NTU	> 1.0 NTU	
		DWSNZ 2005 (2018) 5.5.1(2a)(i)	DWSNZ 2005 (2018) 5.5.1(2a)(ii)	DWSNZ 2005 (2018) 5.5.1(2a)(iii)		DWSNZ 2005 (2018) 5.5.1(2a)(i)	DWSNZ 2005 (2018) 5.5.1(2a)(ii)	DWSNZ 2005 (2018) 5.5.1(2a)(iii)	
	mins/day	95%	99%	1	mins/day	95%	99%	1	
01/04/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
02/04/2021	1411	100.00%	100.00%	0	1411	100.00%	100.00%	0	2.5
03/04/2021	1416	100.00%	100.00%	0	1416	100.00%	100.00%	0	2.5
04/04/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
05/04/2021	1417	100.00%	100.00%	0	1417	100.00%	100.00%	0	2.5
06/04/2021	1423	100.00%	100.00%	0	1423	100.00%	100.00%	0	2.5
07/04/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
08/04/2021	1414	100.00%	100.00%	0	1414	99.72%	99.79%	0	2.5
09/04/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
10/04/2021	1413	99.93%	100.00%	0	1413	99.93%	100.00%	0	2.5
11/04/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
12/04/2021	1413	99.86%	100.00%	0	1413	99.86%	100.00%	0	2.5
13/04/2021	1415	100.00%	100.00%	0	1415	99.93%	100.00%	0	2.5
14/04/2021	1428	100.00%	100.00%	0	1428	100.00%	100.00%	0	2.5
15/04/2021	1413	99.79%	100.00%	0	1413	100.00%	100.00%	0	2.5
16/04/2021	1415	99.58%	100.00%	0	1415	99.93%	100.00%	0	2.5
17/04/2021	1415	99.93%	100.00%	0	1415	99.65%	100.00%	0	2.5
18/04/2021	1413	99.58%	100.00%	0	1413	100.00%	100.00%	0	2.5
19/04/2021	1411	93.98%	99.79%	0	1411	95.04%	99.57%	0	0
20/04/2021	1403	100.00%	100.00%	0	1403	90.95%	100.00%	0	0
21/04/2021	1414	100.00%	100.00%	0	1414	93.49%	100.00%	0	0
22/04/2021	1414	100.00%	100.00%	0	1414	92.01%	100.00%	0	0
23/04/2021	1408	100.00%	100.00%	0	1408	79.62%	100.00%	0	0
24/04/2021	1408	100.00%	100.00%	0	1408	96.80%	100.00%	0	2.5
25/04/2021	1414	99.08%	100.00%	0	1414	97.03%	100.00%	0	2.5
26/04/2021	1414	99.93%	100.00%	0	1414	99.79%	100.00%	0	2.5
27/04/2021	1401	100.00%	100.00%	0	1401	100.00%	100.00%	0	2.5
28/04/2021	1413	100.00%	100.00%	0	1413	99.65%	99.72%	0	2.5
29/04/2021	1413	99.93%	100.00%	0	1413	100.00%	100.00%	0	2.5
30/04/2021	1413	89.95%	100.00%	0	1413	98.66%	99.79%	0	0
01/05/2021	1414	96.04%	100.00%	0	1414	99.43%	100.00%	0	2.5
02/05/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
03/05/2021	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
04/05/2021	1415	100.00%	100.00%	0	1415	99.86%	100.00%	0	2.5
05/05/2021	1416	99.58%	99.93%	0	1416	99.72%	100.00%	0	2.5
06/05/2021	1416	100.00%	100.00%	0	1416	100.00%	100.00%	0	2.5
07/05/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
08/05/2021	1401	100.00%	100.00%	0	1401	100.00%	100.00%	0	2.5
09/05/2021	1414	100.00%	100.00%	0	1414	99.86%	100.00%	0	2.5
10/05/2021	1415	97.81%	100.00%	0	1415	99.86%	100.00%	0	2.5
11/05/2021	1402	99.29%	100.00%	0	1402	99.64%	100.00%	0	2.5
12/05/2021	1414	84.44%	92.79%	0	1414	90.95%	92.72%	0	0
13/05/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
14/05/2021	1413	100.00%	100.00%	0	1413	99.65%	100.00%	0	2.5
15/05/2021	1400	71.36%	100.00%	0	1400	93.29%	100.00%	0	0
16/05/2021	1414	67.33%	100.00%	0	1414	83.10%	100.00%	0	0
17/05/2021	1416	94.21%	100.00%	0	1416	99.22%	99.93%	0	0
18/05/2021	1415	99.86%	100.00%	0	1415	100.00%	100.00%	0	2.5
19/05/2021	1402	100.00%	100.00%	0	1402	100.00%	100.00%	0	2.5
20/05/2021	1414	100.00%	100.00%	0	1414	99.43%	99.86%	0	2.5
21/05/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
22/05/2021	1407	97.80%	100.00%	0	1407	99.15%	99.93%	0	2.5
23/05/2021	1407	92.96%	99.57%	0	1407	99.29%	99.86%	0	0
24/05/2021	1413	87.62%	100.00%	0	1413	99.08%	100.00%	0	0
25/05/2021	1415	99.86%	100.00%	0	1415	100.00%	100.00%	0	2.5

26/05/2021	1413	99.50%	99.79%	0	1413	99.36%	99.86%	0	2.5
27/05/2021	1401	99.50%	100.00%	0	1401	99.93%	100.00%	0	2.5
28/05/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
29/05/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
30/05/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
31/05/2021	1401	99.93%	100.00%	0	1401	100.00%	100.00%	0	2.5
01/06/2021	1414	99.79%	100.00%	0	1414	100.00%	100.00%	0	2.5
02/06/2021	1397	100.00%	100.00%	0	1397	100.00%	100.00%	0	2.5
03/06/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
04/06/2021	1400	98.64%	100.00%	0	1400	98.29%	100.00%	0	2.5
05/06/2021	1413	99.72%	100.00%	0	1413	99.43%	100.00%	0	2.5
06/06/2021	1407	99.93%	100.00%	0	1407	99.64%	100.00%	0	2.5
07/06/2021	1408	100.00%	100.00%	0	1408	99.72%	100.00%	0	2.5
08/06/2021	1413	100.00%	100.00%	0	1413	99.72%	100.00%	0	2.5
09/06/2021	1413	100.00%	100.00%	0	1413	99.72%	100.00%	0	2.5
10/06/2021	1428	100.00%	100.00%	0	1428	99.86%	100.00%	0	2.5
11/06/2021	1413	100.00%	100.00%	0	1413	99.65%	100.00%	0	2.5
12/06/2021	1415	100.00%	100.00%	0	1415	99.58%	100.00%	0	2.5
13/06/2021	1414	100.00%	100.00%	0	1414	99.58%	100.00%	0	2.5
14/06/2021	1414	100.00%	100.00%	0	1414	99.50%	100.00%	0	2.5
15/06/2021	1415	100.00%	100.00%	0	1415	99.79%	100.00%	0	2.5
16/06/2021	1415	100.00%	100.00%	0	1415	99.58%	100.00%	0	2.5
17/06/2021	1415	100.00%	100.00%	0	1415	99.51%	100.00%	0	2.5
18/06/2021	1415	100.00%	100.00%	0	1415	99.58%	100.00%	0	2.5
19/06/2021	1415	100.00%	100.00%	0	1415	99.58%	100.00%	0	2.5
20/06/2021	1414	100.00%	100.00%	0	1414	99.58%	100.00%	0	2.5
21/06/2021	1414	99.86%	100.00%	0	1414	99.50%	99.93%	0	2.5
22/06/2021	1413	100.00%	100.00%	0	1413	99.50%	100.00%	0	2.5
23/06/2021	1399	99.79%	100.00%	0	1399	99.14%	99.86%	0	2.5
24/06/2021	1416	99.65%	100.00%	0	1416	99.36%	99.72%	0	2.5
25/06/2021	1413	99.58%	100.00%	0	1413	99.22%	99.72%	0	2.5
26/06/2021	1408	99.79%	100.00%	0	1408	99.43%	100.00%	0	2.5
27/06/2021	1409	100.00%	100.00%	0	1409	99.50%	100.00%	0	2.5
28/06/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
29/06/2021	1413	100.00%	100.00%	0	1413	99.65%	100.00%	0	2.5
30/06/2021	1413	98.94%	99.36%	7	1413	98.80%	99.22%	9	0
01/07/2021	1414	99.22%	99.58%	0	1414	99.29%	100.00%	0	2.5
02/07/2021	1414	99.29%	99.58%	0	1414	99.36%	99.86%	0	2.5
03/07/2021	1417	99.15%	99.51%	0	1417	99.15%	99.86%	0	2.5
04/07/2021	1413	99.22%	99.58%	0	1413	99.22%	100.00%	0	2.5
05/07/2021	1402	98.79%	99.64%	0	1402	99.00%	100.00%	0	2.5
06/07/2021	1427	92.57%	99.23%	0	1427	90.12%	91.80%	0	0
07/07/2021	1415	99.08%	99.22%	0	1415	99.22%	99.36%	0	2.5
08/07/2021	1414	99.22%	99.29%	0	1414	99.29%	99.79%	0	2.5
09/07/2021	1414	99.15%	99.22%	0	1414	99.15%	99.50%	0	2.5
10/07/2021	1414	99.58%	99.93%	0	1414	99.58%	99.72%	0	2.5
11/07/2021	1414	99.22%	99.79%	0	1414	99.22%	99.79%	0	2.5
12/07/2021	1413	99.65%	99.72%	0	1413	99.50%	99.65%	0	2.5
13/07/2021	1414	99.29%	99.86%	0	1414	99.29%	100.00%	0	2.5
14/07/2021	1414	99.22%	99.93%	0	1414	99.65%	99.65%	0	2.5
15/07/2021	1413	99.43%	100.00%	0	1413	100.00%	100.00%	0	2.5
16/07/2021	1413	99.72%	100.00%	0	1413	99.93%	100.00%	0	2.5
17/07/2021	1412	99.86%	100.00%	0	1412	99.65%	99.86%	0	2.5
18/07/2021	1413	99.79%	99.93%	0	1413	99.58%	99.79%	0	2.5
19/07/2021	1413	99.65%	99.72%	0	1413	99.79%	99.79%	0	2.5
20/07/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
21/07/2021	1413	99.22%	99.86%	0	1413	99.93%	100.00%	0	2.5
22/07/2021	1412	99.29%	99.29%	0	1412	99.36%	100.00%	0	2.5
23/07/2021	1413	99.29%	99.58%	0	1413	99.43%	100.00%	0	2.5
24/07/2021	1415	99.22%	99.51%	0	1415	99.22%	99.93%	0	2.5
25/07/2021	1414	99.08%	99.29%	0	1414	99.36%	99.72%	0	2.5
26/07/2021	1427	99.65%	99.65%	0	1427	99.65%	99.79%	0	2.5
27/07/2021	1415	99.15%	99.29%	0	1415	99.22%	99.86%	0	2.5
28/07/2021	1414	99.29%	99.50%	0	1414	99.36%	99.93%	0	2.5
29/07/2021	1413	99.22%	99.50%	0	1413	99.22%	99.58%	0	2.5
30/07/2021	1414	99.22%	99.29%	0	1414	99.22%	99.50%	0	2.5
31/07/2021	1412	99.29%	99.29%	0	1412	99.29%	99.72%	0	2.5

01/08/2021	1415	99.22%	99.29%	0	1415	99.43%	99.72%	0	2.5
02/08/2021	1413	99.29%	99.65%	0	1413	99.50%	99.79%	0	2.5
03/08/2021	1411	97.66%	98.09%	0	1411	97.66%	98.23%	0	0
04/08/2021	1416	99.51%	99.51%	0	1416	99.36%	99.58%	0	2.5
05/08/2021	1411	99.29%	99.36%	0	1411	99.29%	99.57%	0	2.5
06/08/2021	1427	99.58%	99.72%	0	1427	99.58%	99.79%	0	2.5
07/08/2021	1414	99.22%	99.50%	0	1414	99.22%	99.79%	0	2.5
08/08/2021	1412	99.43%	99.72%	0	1412	99.72%	99.79%	0	2.5
09/08/2021	1414	99.72%	100.00%	0	1414	99.86%	100.00%	0	2.5
10/08/2021	1414	99.29%	99.93%	0	1414	99.72%	99.93%	0	2.5
11/08/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
12/08/2021	1414	98.94%	99.22%	0	1414	99.65%	99.93%	0	2.5
13/08/2021	1415	99.36%	99.86%	0	1415	99.86%	99.93%	0	2.5
14/08/2021	1414	99.43%	99.93%	0	1414	99.86%	99.93%	0	2.5
15/08/2021	1415	99.86%	99.93%	0	1415	99.93%	100.00%	0	2.5
16/08/2021	1415	99.72%	99.86%	0	1415	99.79%	99.79%	0	2.5
17/08/2021	1413	99.86%	99.93%	0	1413	99.93%	99.93%	0	2.5
18/08/2021	1428	99.86%	99.93%	0	1428	99.86%	99.93%	0	2.5
19/08/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
20/08/2021	1414	99.93%	99.93%	0	1414	99.86%	100.00%	0	2.5
21/08/2021	1414	99.93%	100.00%	0	1414	99.93%	100.00%	0	2.5
22/08/2021	1415	99.93%	100.00%	0	1415	100.00%	100.00%	0	2.5
23/08/2021	1413	99.36%	100.00%	0	1413	100.00%	100.00%	0	2.5
24/08/2021	1415	98.73%	99.51%	0	1415	99.43%	99.65%	0	2.5
25/08/2021	1404	99.22%	100.00%	0	1404	99.79%	99.93%	0	2.5
26/08/2021	1385	93.94%	96.97%	0	1385	95.31%	97.11%	0	0
27/08/2021	1411	99.79%	99.93%	0	1411	99.86%	100.00%	0	2.5
28/08/2021	1414	99.43%	100.00%	0	1414	99.72%	100.00%	0	2.5
29/08/2021	1412	99.22%	99.93%	0	1412	99.58%	100.00%	0	2.5
30/08/2021	1413	99.58%	99.93%	0	1413	99.93%	99.93%	0	2.5
31/08/2021	1414	99.86%	99.86%	0	1414	99.79%	99.93%	0	2.5
01/09/2021	1416	99.93%	100.00%	0	1416	100.00%	100.00%	0	2.5
02/09/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
03/09/2021	1414	99.93%	100.00%	0	1414	100.00%	100.00%	0	2.5
04/09/2021	1415	100.00%	100.00%	0	1415	99.86%	100.00%	0	2.5
05/09/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
06/09/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
07/09/2021	1427	100.00%	100.00%	0	1427	100.00%	100.00%	0	2.5
08/09/2021	1415	99.93%	99.93%	0	1415	99.93%	100.00%	0	2.5
09/09/2021	1415	100.00%	100.00%	0	1415	99.93%	100.00%	0	2.5
10/09/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
11/09/2021	1414	99.93%	100.00%	0	1414	100.00%	100.00%	0	2.5
12/09/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
13/09/2021	1416	100.00%	100.00%	0	1416	100.00%	100.00%	0	2.5
14/09/2021	1415	99.86%	100.00%	0	1415	100.00%	100.00%	0	2.5
15/09/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
16/09/2021	1413	99.93%	100.00%	0	1413	99.93%	100.00%	0	2.5
17/09/2021	1413	99.93%	99.93%	0	1413	99.93%	100.00%	0	2.5
18/09/2021	1416	100.00%	100.00%	0	1416	100.00%	100.00%	0	2.5
19/09/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
20/09/2021	1414	99.93%	100.00%	0	1414	99.93%	100.00%	0	2.5
21/09/2021	1427	100.00%	100.00%	0	1427	100.00%	100.00%	0	2.5
22/09/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
23/09/2021	1412	100.00%	100.00%	0	1412	100.00%	100.00%	0	2.5
24/09/2021	1415	99.93%	100.00%	0	1415	99.93%	100.00%	0	2.5
25/09/2021	1414	99.93%	100.00%	0	1414	99.93%	100.00%	0	2.5
26/09/2021	1412	100.00%	100.00%	0	1412	100.00%	100.00%	0	2.5
27/09/2021	1412	100.00%	100.00%	0	1412	100.00%	100.00%	0	2.5
28/09/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
29/09/2021	1427	100.00%	100.00%	0	1427	100.00%	100.00%	0	2.5
30/09/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
01/10/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
02/10/2021	1414	99.93%	100.00%	0	1414	100.00%	100.00%	0	2.5
03/10/2021	1413	100.00%	100.00%	0	1413	99.93%	99.93%	0	2.5
04/10/2021	1413	100.00%	100.00%	0	1413	99.79%	99.93%	0	2.5
05/10/2021	1415	99.79%	99.93%	0	1415	99.86%	99.93%	0	2.5
06/10/2021	1426	99.93%	100.00%	0	1426	99.58%	99.79%	0	2.5

07/10/2021	1415	99.72%	99.93%	0	1415	99.86%	99.93%	0	2.5
08/10/2021	1415	100.00%	100.00%	0	1415	99.93%	100.00%	0	2.5
09/10/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
10/10/2021	1414	99.93%	100.00%	0	1414	99.93%	100.00%	0	2.5
11/10/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
12/10/2021	1428	98.74%	99.09%	0	1428	98.60%	98.74%	0	0
13/10/2021	1415	99.65%	100.00%	0	1415	99.65%	100.00%	0	2.5
14/10/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
15/10/2021	1413	100.00%	100.00%	0	1413	99.93%	99.93%	0	2.5
16/10/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
17/10/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
18/10/2021	1413	99.29%	99.58%	0	1413	99.50%	99.72%	0	2.5
19/10/2021	1417	99.72%	99.86%	0	1417	99.44%	99.44%	0	2.5
20/10/2021	1413	99.79%	99.93%	0	1413	99.72%	99.93%	0	2.5
21/10/2021	1427	100.00%	100.00%	0	1427	100.00%	100.00%	0	2.5
22/10/2021	1414	100.00%	100.00%	0	1414	99.93%	99.93%	0	2.5
23/10/2021	1415	99.93%	100.00%	0	1415	99.93%	100.00%	0	2.5
24/10/2021	1414	100.00%	100.00%	0	1414	99.58%	99.93%	0	2.5
25/10/2021	1413	99.86%	99.86%	0	1413	99.86%	99.86%	0	2.5
26/10/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
27/10/2021	1414	100.00%	100.00%	0	1414	99.58%	99.58%	0	2.5
28/10/2021	1428	99.93%	100.00%	0	1428	100.00%	100.00%	0	2.5
29/10/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
30/10/2021	1416	100.00%	100.00%	0	1416	99.86%	99.93%	0	2.5
31/10/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
01/11/2021	1412	100.00%	100.00%	0	1412	100.00%	100.00%	0	2.5
02/11/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
03/11/2021	1414	99.93%	100.00%	0	1414	99.93%	100.00%	0	2.5
04/11/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
05/11/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
06/11/2021	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
07/11/2021	1425	100.00%	100.00%	0	1425	100.00%	100.00%	0	2.5
08/11/2021	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
09/11/2021	1413	100.00%	100.00%	0	1413	99.93%	100.00%	0	2.5
10/11/2021	1414	99.22%	99.86%	0	1414	98.66%	99.15%	0	2.5
11/11/2021	1412	100.00%	100.00%	0	1412	100.00%	100.00%	0	2.5
12/11/2021	1415	100.00%	100.00%	0	1415	99.86%	99.93%	0	2.5
13/11/2021	1413	99.79%	99.93%	0	1413	99.86%	100.00%	0	2.5
14/11/2021	1415	100.00%	100.00%	0	1415	99.93%	99.93%	0	2.5
15/11/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
16/11/2021	1421	100.00%	100.00%	0	1421	100.00%	100.00%	0	2.5
17/11/2021	1419	100.00%	100.00%	0	1419	100.00%	100.00%	0	2.5
18/11/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
19/11/2021	1414	99.93%	100.00%	0	1414	99.79%	99.86%	0	2.5
20/11/2021	1413	99.93%	99.93%	0	1413	99.93%	100.00%	0	2.5
21/11/2021	1413	99.93%	99.93%	0	1413	99.79%	99.86%	0	2.5
22/11/2021	1414	99.93%	99.93%	0	1414	99.93%	100.00%	0	2.5
23/11/2021	1401	99.86%	99.93%	0	1401	99.71%	99.86%	0	2.5
24/11/2021	1414	99.93%	100.00%	0	1414	100.00%	100.00%	0	2.5
25/11/2021	1415	99.93%	99.93%	0	1415	99.86%	99.93%	0	2.5
26/11/2021	1417	99.86%	99.93%	0	1417	99.86%	99.93%	0	2.5
27/11/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
28/11/2021	1408	100.00%	100.00%	0	1408	100.00%	100.00%	0	2.5
29/11/2021	1408	100.00%	100.00%	0	1408	99.93%	100.00%	0	2.5
30/11/2021	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
01/12/2021	1399	99.93%	99.93%	0	1399	99.86%	99.93%	0	2.5
02/12/2021	1415	100.00%	100.00%	0	1415	99.72%	100.00%	0	2.5
03/12/2021	1413	100.00%	100.00%	0	1413	99.93%	100.00%	0	2.5
04/12/2021	1414	100.00%	100.00%	0	1414	99.58%	100.00%	0	2.5
05/12/2021	1415	100.00%	100.00%	0	1415	99.51%	100.00%	0	2.5
06/12/2021	1427	99.93%	99.93%	0	1427	99.93%	100.00%	0	2.5
07/12/2021	1401	99.71%	100.00%	0	1401	99.86%	100.00%	0	2.5
08/12/2021	1415	99.93%	99.93%	0	1415	99.86%	100.00%	0	2.5
09/12/2021	1401	100.00%	100.00%	0	1401	99.64%	99.93%	0	2.5
10/12/2021	1413	99.58%	100.00%	0	1413	99.22%	99.50%	0	2.5
11/12/2021	1402	99.79%	100.00%	0	1402	98.50%	99.07%	0	2.5
12/12/2021	1415	100.00%	100.00%	0	1415	99.58%	100.00%	0	2.5

13/12/2021	1401	99.93%	99.93%	0	1401	99.79%	99.93%	0	2.5
14/12/2021	1414	100.00%	100.00%	0	1414	99.65%	100.00%	0	2.5
15/12/2021	1401	98.86%	99.86%	0	1401	98.57%	99.14%	0	2.5
16/12/2021	1414	99.15%	99.58%	0	1414	98.02%	99.08%	0	2.5
17/12/2021	1413	99.08%	99.79%	0	1413	98.51%	99.01%	0	2.5
18/12/2021	1402	96.72%	100.00%	0	1402	96.08%	100.00%	0	2.5
19/12/2021	1418	58.74%	72.99%	0	1418	58.32%	68.62%	0	0
20/12/2021	1402	99.50%	99.93%	0	1402	98.93%	99.57%	0	2.5
21/12/2021	1400	100.00%	100.00%	0	1400	99.07%	99.86%	0	2.5
22/12/2021	1402	99.36%	99.79%	0	1402	99.43%	99.64%	0	2.5
23/12/2021	1402	99.29%	100.00%	0	1402	99.29%	99.93%	0	2.5
24/12/2021	1401	99.71%	100.00%	0	1401	99.07%	99.86%	0	2.5
25/12/2021	1415	99.86%	99.93%	0	1415	99.43%	99.93%	0	2.5
26/12/2021	1413	99.93%	100.00%	0	1413	99.43%	99.72%	0	2.5
27/12/2021	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
28/12/2021	1397	99.43%	99.57%	0	1397	99.64%	99.93%	0	2.5
29/12/2021	1415	99.79%	99.86%	0	1415	99.51%	99.93%	0	2.5
30/12/2021	1413	100.00%	100.00%	0	1413	99.22%	99.93%	0	2.5
31/12/2021	1401	99.57%	100.00%	0	1401	99.93%	100.00%	0	2.5
01/01/2022	1414	98.66%	99.50%	0	1414	99.15%	99.50%	0	2.5
02/01/2022	1413	99.08%	99.58%	0	1413	99.65%	100.00%	0	2.5
03/01/2022	1400	99.86%	99.86%	0	1400	99.71%	99.93%	0	2.5
04/01/2022	1414	99.93%	99.93%	0	1414	99.36%	99.65%	0	2.5
05/01/2022	1415	99.79%	99.86%	0	1415	99.86%	99.86%	0	2.5
06/01/2022	1402	99.64%	100.00%	0	1402	98.93%	99.43%	0	2.5
07/01/2022	1415	100.00%	100.00%	0	1415	99.36%	100.00%	0	2.5
08/01/2022	1427	100.00%	100.00%	0	1427	100.00%	100.00%	0	2.5
09/01/2022	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
10/01/2022	1412	100.00%	100.00%	0	1412	100.00%	100.00%	0	2.5
11/01/2022	1414	99.86%	99.93%	0	1414	99.65%	99.93%	0	2.5
12/01/2022	1403	99.29%	99.64%	0	1403	99.71%	99.79%	0	2.5
13/01/2022	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
14/01/2022	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
15/01/2022	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
16/01/2022	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
17/01/2022	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
18/01/2022	1413	100.00%	100.00%	0	1413	99.93%	99.93%	0	2.5
19/01/2022	1414	99.86%	99.93%	0	1414	99.36%	99.86%	0	2.5
20/01/2022	1427	100.00%	100.00%	0	1427	100.00%	100.00%	0	2.5
21/01/2022	1414	100.00%	100.00%	0	1414	100.00%	100.00%	0	2.5
22/01/2022	1413	100.00%	100.00%	0	1413	100.00%	100.00%	0	2.5
23/01/2022	1399	99.86%	99.93%	0	1399	99.93%	100.00%	0	2.5
24/01/2022	1415	100.00%	100.00%	0	1415	100.00%	100.00%	0	2.5
25/01/2022	1414	99.86%	100.00%	0	1414	99.93%	100.00%	0	2.5
26/01/2022	1414	99.65%	100.00%	0	1414	99.79%	99.93%	0	2.5
27/01/2022	1415	99.58%	99.93%	0	1415	99.93%	100.00%	0	2.5
28/01/2022	1415	100.00%	100.00%	0	1415	99.86%	100.00%	0	2.5
29/01/2022	1413	100.00%	100.00%	0	1413	99.65%	99.93%	0	2.5
30/01/2022	1412	100.00%	100.00%	0	1412	99.86%	100.00%	0	2.5
31/01/2022	1414	99.65%	100.00%	0	1414	98.59%	100.00%	0	2.5
01/02/2022	1401	100.00%	100.00%	0	1401	99.93%	100.00%	0	2.5
02/02/2022	1413	100.00%	100.00%	0	1413	99.93%	99.93%	0	2.5
03/02/2022	1427	99.93%	100.00%	0	1427	100.00%	100.00%	0	2.5
04/02/2022	1414	100.00%	100.00%	0	1414	99.93%	100.00%	0	2.5
05/02/2022	1401	100.00%	100.00%	0	1401	99.36%	99.71%	0	2.5
06/02/2022	1415	99.65%	100.00%	0	1415	100.00%	100.00%	0	2.5
07/02/2022	1414	99.58%	100.00%	0	1414	99.93%	99.93%	0	2.5
08/02/2022	1399	99.36%	100.00%	0	1399	100.00%	100.00%	0	2.5
09/02/2022	1413	99.93%	99.93%	0	1413	99.86%	99.93%	0	2.5
10/02/2022	1413	99.58%	100.00%	0	1413	99.86%	99.93%	0	2.5
11/02/2022	1414	100.00%	100.00%	0	1414	97.45%	99.93%	0	2.5
12/02/2022	1402	98.72%	99.36%	0	1402	80.60%	99.64%	0	0
13/02/2022	1415	99.93%	99.93%	0	1415	99.79%	99.86%	0	2.5
14/02/2022	1400	99.71%	100.00%	0	1400	100.00%	100.00%	0	2.5
15/02/2022	1414	99.93%	99.93%	0	1414	98.80%	99.93%	0	2.5
16/02/2022	1401	98.43%	99.86%	0	1401	77.87%	99.86%	0	0
17/02/2022	1399	93.14%	100.00%	0	1399	69.12%	97.93%	0	0

18/02/2022	1400	91.07%	99.93%	0	1400	60.86%	86.14%	0	0
19/02/2022	1400	94.50%	100.00%	0	1400	63.64%	91.57%	0	0
20/02/2022	1401	100.00%	100.00%	0	1401	96.72%	99.50%	0	2.5
21/02/2022	1414	96.68%	100.00%	0	1414	77.93%	97.81%	0	0
22/02/2022	1386	92.57%	99.13%	0	1386	97.33%	99.06%	0	0
23/02/2022	1401	96.57%	96.79%	0	1401	82.51%	99.71%	0	0
24/02/2022	1411	99.57%	99.65%	0	1411	83.63%	99.50%	0	0
25/02/2022	1414	99.93%	99.93%	0	1414	99.79%	99.93%	0	2.5
26/02/2022	1401	99.93%	99.93%	0	1401	97.79%	99.93%	0	2.5
27/02/2022	1393	81.55%	99.71%	0	1393	63.39%	86.00%	0	0
28/02/2022	1401	86.87%	99.64%	0	1401	61.67%	81.51%	0	0
01/03/2022	1408	71.52%	90.55%	0	1408	64.99%	82.17%	0	0
02/03/2022	1386	53.10%	72.80%	0	1386	49.28%	61.18%	0	0
03/03/2022	1379	41.84%	64.68%	0	1379	44.45%	64.39%	0	0
04/03/2022	1380	31.67%	57.25%	0	1380	33.26%	54.93%	0	0
05/03/2022	1380	34.35%	59.06%	0	1380	33.26%	53.26%	0	0
06/03/2022	1400	61.00%	86.21%	0	1400	55.93%	76.79%	0	0
07/03/2022	1380	65.51%	88.04%	0	1380	62.54%	83.26%	0	0
08/03/2022	1380	98.33%	99.20%	0	1380	91.67%	99.78%	0	0
09/03/2022	1378	57.55%	99.27%	0	1378	98.98%	99.64%	0	0
10/03/2022	1379	18.20%	99.13%	0	1379	63.96%	99.13%	0	0
11/03/2022	1399	4.22%	64.05%	0	1399	13.15%	93.50%	0	0
12/03/2022	1380	11.23%	63.99%	0	1380	39.20%	78.26%	0	0
13/03/2022	1379	77.66%	98.84%	0	1379	89.56%	99.20%	0	0
14/03/2022	1379	67.80%	99.35%	0	1379	69.76%	99.13%	0	0
15/03/2022	1400	92.36%	99.93%	0	1400	92.29%	99.86%	0	0
16/03/2022	1379	100.00%	100.00%	0	1379	96.23%	100.00%	0	2.5
17/03/2022	1379	100.00%	100.00%	0	1379	100.00%	100.00%	0	2.5
18/03/2022	1380	100.00%	100.00%	0	1380	99.57%	100.00%	0	2.5
19/03/2022	1400	100.00%	100.00%	0	1400	99.86%	99.93%	0	2.5
20/03/2022	1380	100.00%	100.00%	0	1380	99.93%	100.00%	0	2.5
21/03/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
22/03/2022	1400	99.86%	100.00%	0	1400	99.71%	99.93%	0	2.5
23/03/2022	1380	99.93%	100.00%	0	1380	99.78%	99.93%	0	2.5
24/03/2022	1379	99.85%	99.93%	0	1379	92.24%	99.85%	0	0
25/03/2022	1411	100.00%	100.00%	0	1411	100.00%	100.00%	0	2.5
26/03/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
27/03/2022	1399	99.93%	100.00%	0	1399	99.93%	100.00%	0	2.5
28/03/2022	1413	99.79%	99.79%	0	1413	99.36%	99.79%	0	2.5
29/03/2022	1401	99.79%	99.79%	0	1401	99.79%	99.79%	0	2.5
30/03/2022	1398	99.79%	99.86%	0	1398	99.64%	99.79%	0	2.5
31/03/2022	1400	99.71%	100.00%	0	1400	99.71%	100.00%	0	2.5
01/04/2022	1400	99.71%	100.00%	0	1400	100.00%	100.00%	0	2.5
02/04/2022	1400	100.00%	100.00%	0	1400	99.64%	100.00%	0	2.5
03/04/2022	1402	100.00%	100.00%	0	1402	100.00%	100.00%	0	2.5
04/04/2022	1400	99.93%	99.93%	0	1400	99.93%	99.93%	0	2.5
05/04/2022	1405	99.93%	100.00%	0	1405	100.00%	100.00%	0	2.5
06/04/2022	1413	99.93%	100.00%	0	1413	99.86%	99.93%	0	2.5
07/04/2022	1399	99.86%	99.86%	0	1399	99.79%	99.86%	0	2.5
08/04/2022	1401	99.86%	99.86%	0	1401	99.86%	99.86%	0	2.5
09/04/2022	1400	99.93%	100.00%	0	1400	99.86%	99.93%	0	2.5
10/04/2022	1400	99.71%	99.93%	0	1400	100.00%	100.00%	0	2.5
11/04/2022	1399	99.93%	100.00%	0	1399	99.93%	99.93%	0	2.5
12/04/2022	1400	100.00%	100.00%	0	1400	99.93%	100.00%	0	2.5
13/04/2022	1400	99.64%	99.71%	0	1400	100.00%	100.00%	0	2.5
14/04/2022	1399	99.64%	99.79%	0	1399	99.93%	99.93%	0	2.5
15/04/2022	1400	99.50%	99.79%	0	1400	99.79%	99.86%	0	2.5
16/04/2022	1399	100.00%	100.00%	0	1399	100.00%	100.00%	0	2.5
17/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
18/04/2022	1420	100.00%	100.00%	0	1420	100.00%	100.00%	0	2.5
19/04/2022	1400	99.93%	100.00%	0	1400	99.93%	99.93%	0	2.5
20/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
21/04/2022	1400	99.86%	99.93%	0	1400	99.93%	99.93%	0	2.5
22/04/2022	1407	99.93%	100.00%	0	1407	99.93%	99.93%	0	2.5
23/04/2022	1400	99.71%	99.86%	0	1400	99.86%	99.86%	0	2.5
24/04/2022	1400	99.93%	99.93%	0	1400	99.93%	99.93%	0	2.5
25/04/2022	1399	99.71%	99.79%	0	1399	99.93%	100.00%	0	2.5

26/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
27/04/2022	1400	100.00%	100.00%	0	1400	100.00%	100.00%	0	2.5
28/04/2022	1400	95.50%	99.93%	0	1400	83.36%	100.00%	0	0
29/04/2022	1399	99.79%	100.00%	0	1399	92.78%	100.00%	0	0
30/04/2022	1397	99.93%	100.00%	0	1397	99.86%	99.86%	0	2.5
00/01/1900	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
Monthly Compliance		97.39%	99.17%	7		97.09%	99.01%	9	
Operator / Suppliers Comments									
DWA Comments									
Site Information									
Community			WES001		Westport		DWSNZ 2005 (2018)		
Population			4,974				4.2.2a: Continous Chlorination		
Source			S00016, S01038		Giles Creek, Grouan River		5.5: Coagulation, direc filtraton		
Treatment Plant			TP00022		Sergeants Hill, Westport		5.16: UV Disinfection		
Distribution			WES001CA, WES001WE		Carters Beach, Westport				

Food & Water Testing

ANALYTICAL REPORT

REPORT CODE **AR-22-NW-014687-01** REPORT DATE **10/05/2022**

Attention SGS Westport
Nick Lees
5 Lyttelton Street
7866 Westport
NEW ZEALAND

Phone 03 788 9126
Email Nick.Lees@sgs.com

Copy to: Cook (Andrew.Cook@sgs.com), Tyler (Christine.Tyler@sgs.com),
Lampplough (dean.lampplough@sgs.com), Halligan (Julie.Halligan@sgs.com),

Contact for your orders: Lizzie Addis

Order code: EUNZWE-00035076

Purchase Order Number: PO1155747

Comments: Report updated to include Lead result.

SAMPLE CODE **812-2022-00034941**

Sample described as: WP22-09697.001 Wpt_WS_Pumphouse

Reception Date & Time: 05/04/2022 7:00

Analysis Start Date & Time: 05/04/2022 17:28

Analysis Ending Date: 04/05/2022

Sampled Date & Time 04/04/2022 09:45

	RESULTS	LOQ
NW791 Acrylamide		
Acrylamide	<0.1 µg/l	0.1
NW068 Aluminium - Acid Soluble		
Aluminium	0.147 mg/l	0.002
NW069 Antimony - Acid Soluble		
Antimony (Sb)	<0.001 mg/l	0.001
NW073 Cadmium - Acid Soluble		
Cadmium (Cd)	<0.0002 mg/l	0.0002
NW076 Chromium - Acid Soluble		
Chromium (Cr)	<0.001 mg/l	0.001
NW078 Copper - Acid Soluble		
Copper (Cu)	<0.0005 mg/l	0.0005
NW03S Epichlorohydrin		
Epichlorohydrin	<0.0001 mg/l	0.0001
NW080 Lead - Acid Soluble		
Lead (Pb)	<0.0005 mg/l	0.0005
NW084 Mercury - Acid Soluble		
Mercury (Hg)	<0.0005 mg/l	0.0005
NW086 Nickel - Acid Soluble		
Nickel (Ni)	<0.0005 mg/l	0.0005

LIST OF METHODS

NW03S **Epichlorohydrin:** Internal Method, GC-MS/MS

NW069 **Antimony - Acid Soluble:** APHA 3125 B mod.

NW076 **Chromium - Acid Soluble:** APHA 3125 B mod.

NW080 **Lead - Acid Soluble:** APHA 3125 B mod.

NW068 **Aluminium - Acid Soluble:** APHA 3125 B mod.

NW073 **Cadmium - Acid Soluble:** APHA 3125 B mod.

NW078 **Copper - Acid Soluble:** APHA 3125 B mod.

NW084 **Mercury - Acid Soluble:** APHA 3125 B mod.

Food & Water Testing

NW086 **Nickel - Acid Soluble:** APHA 3125 B mod.

NW791 **Acrylamide:** Internal Method, GC-MS

Signature



Marylou Cabral Laboratory Manager

EXPLANATORY NOTE

- ◆ Test is not accredited
- Test is subcontracted within Eurofins group and is accredited
- Test is subcontracted within Eurofins group and is not accredited
- Test is subcontracted outside Eurofins group and is accredited
- Test is subcontracted outside Eurofins group and is not accredited
- ☒ Test result is provided by the customer and is not accredited
- ▲ Tested in the field by Eurofins and is not accredited

N/A means Not applicable

Not Detected means not detected at or above the Limit of Quantification (LOQ)

LOQ means Limit of Quantification and the unit of LOQ is the same as the result unit

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The tests are identified by a five-digit code, their description is available on request.

Accreditation does not apply to comments or graphical representations.

Unless otherwise stated, all tests in this analytical report (except for subcontracted tests) are performed at 85 Port Road, Seaview, Lower Hutt, Wellington, NEW ZEALAND.

The laboratory is not responsible for the information provided by the customer which can affect the validity of the results, for example: sampling information such as date/time, field data etc.

This report issued by Eurofins relates exclusively to the samples provided by the Customer and does not relate to the lot / batch from which the samples have been obtained.

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All samples become the property of Eurofins to the extent necessary for the performance of the Services.

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The Customer acknowledges and accepts that: (a) it is solely responsible for the sampling process and warrants that the sample provided to Eurofins is representative of the lot / batch from which the samples were drawn; and (b) Eurofins expresses no opinion and accepts no liability in respect of the Customer's production process or homogeneity of the sample.

The Eurofins sampling service uses IANZ approved methodology and / or best practice to collect and transport samples that are fit for the purpose of analytical testing. Eurofins shall have no liability if the sample collected is not representative of the source from which it has been taken.

The Customer acknowledges that the Services are provided using the then current state of technology and methods developed and generally applied by Eurofins and involve analysis, interpretations, consulting work and conclusions. Eurofins shall use commercially reasonable degree of care in providing the Services.

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END OF REPORT

**EUROFINS ELS LIMITED IS A MINISTRY OF PRIMARY INDUSTRIES
RECOGNISED LABORATORY UNDER SECTION 101 OF THE ANIMAL PRODUCTS ACT:1999.**

R J Hill Laboratories Ltd

File Format: SSFC1.1
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Amendment: No
AmendmentNotes:
Date Registered: 16/02/2021 11:21
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Primary Contact Name: XXXXXXXXXXXXXXXX
Primary Contact Address: C/- Buller District Council, PO Box 21, Westport 7866
Submitter Name: XXXXXXXXXXXXXXXX
Submitter Address: C/- Buller District Council, PO Box 21, Westport 7866
Client Name: Buller District Council
Client Address: PO Box 21, Westport 7866
Charging Name: Buller District Council
Charging Address: PO Box 21, Westport 7866
Quote Number: 109396
Client Order Number:
Client Reference: NZDWS tables 2.1, 2.2, 2.3, 2.4 & 2.5
Additional Client Reference:

‡ Analysis subcontracted to an external provider. Refer to the
Summary of Methods section for more details.

Analyst Comments:

Note: The results contained within this file are not to be considered as final.

Official confirmation of results will be in the form of a final signed report, either in printed or electronic format.

Sample Type: Aqueous

	Sample Name:	Wpt-WS-LTP (Westport) 15-Feb- 2021 9:00 am	Wpt-WS-BDC-Office (Metals only 2) 15-Feb-2021 10:00 am
	Lab Number:	2528948.1	2528948.8
Total Hardness	g/m3 as CaCO3	23	-
Total Dissolved Solids (TDS)	g/m3	47	-
Total Aluminium	g/m3	0.032	0.035
Total Antimony	g/m3	< 0.00021	< 0.00021
Total Arsenic	g/m3	< 0.0011	< 0.0011
Total Barium	g/m3	0.023	0.023
Total Boron	g/m3	0.0061	< 0.0053
Total Cadmium	g/m3	< 0.000053	< 0.000053
Total Calcium	g/m3	6.5	-
Total Chromium	g/m3	< 0.00053	< 0.00053
Total Copper	g/m3	< 0.00053	0.0186
Total Iron	g/m3	< 0.021	< 0.021
Total Lead	g/m3	< 0.00011	< 0.00011
Total Magnesium	g/m3	1.79	-
Total Manganese	g/m3	0.00084	< 0.00053
Total Mercury	g/m3	< 0.00008	< 0.00008
Total Molybdenum	g/m3	< 0.00021	< 0.00021
Total Nickel	g/m3	< 0.00053	< 0.00053
Total Selenium	g/m3	< 0.0011	< 0.0011
Total Sodium	g/m3	5.2	5.1
Total Uranium	g/m3	< 0.000021	< 0.000021
Total Zinc	g/m3	< 0.0011	0.0022
Bromate	g/m3	< 0.005	-
Total Cyanide	g/m3	< 0.002	-
Cyanogen Chloride	mg/L	< 0.005	-
Monochloramine	g/m3	< 0.05	-
Chloride	g/m3	8.1	-
Chlorite	g/m3	< 0.005	-
Chlorate	g/m3	0.006	-
Fluoride	g/m3	< 0.05	-
Total Ammoniacal-N	g/m3	< 0.010	-
Nitrite	g/m3	< 0.007	-
Nitrate	g/m3	0.016	-
Sulphate	g/m3	1.7	-
1080	g/m3	< 0.00010	-
Hazen Colour Profile			
True Hazen Colour	Hazen units	-	-
Apparent Hazen Colour	Hazen units	< 10	-

Hydrogen sulphide profile			
pH	pH Units	7.3	-
Electrical Conductivity (EC)	mS/m	7.2	-
Sample Temperature	°C	20	-
Un-ionised hydrogen sulphide	g/m3	< 0.002	-
Total Sulphide	g/m3	< 0.05	-
Acetylated Phenols in Water samples by Liq/liq			
4-Chloro-2-methylphenol	g/m3	< 0.00005	-
4-Chloro-3-methylphenol	g/m3	< 0.00005	-
2-Chlorophenol	g/m3	< 0.00005	-
2,4-Dichlorophenol	g/m3	< 0.00005	-
2,6-Dichlorophenol	g/m3	< 0.00005	-
2,4-Dimethylphenol	g/m3	< 0.00005	-
3-Methylphenol (m-cresol)	g/m3	< 0.00005	-
2-Methylphenol (o-Cresol)	g/m3	< 0.00005	-
4-Methylphenol (p-Cresol)	g/m3	< 0.00005	-
2-Nitrophenol	g/m3	< 0.00005	-
Pentachlorophenol (PCP)	g/m3	< 0.00005	-
Phenol	g/m3	< 0.0005	-
2,3,4,6-Tetrachlorophenol (TCP)	g/m3	< 0.00005	-
2,4,5-Trichlorophenol	g/m3	< 0.00005	-
2,4,6-Trichlorophenol	g/m3	< 0.00005	-