

Tryon Creek Wastewater Treatment Plant

195 SW Foothills Road, Bldg 310, Lake Oswego, Oregon 97034 Mingus Mapps, Commissioner Michael Jordan, Director

February 13, 2021

State of Oregon DEQ Northwest Region Office 700 NE Multnomah Street, Suite 600 Portland, Oregon 97232

Tryon Creek Wastewater Treatment Plant Discharge Monitoring Report – January 2021

Please find the enclosed January 2021 DMR for the City of Portland's Tryon Creek Wastewater Treatment Plant (TCWTP).

High flows on January 12, 2021 resulted in at daily E. coli of 600 which exceeded our daily limit of 406. Resample results of 3300, 180, 32, 38 and 5 resulted in a geomean of 81.5. The disinfection improvement project currently underway is expected to improve the reliability of this system.

On January 26, 2021 the daily E. coli of 770 exceed daily limit of 406. Resample results 11, 13, 37, 14, and 7 resulted in a geomean of 13.8. After investigation it appeared this event was caused by minor process upset resulting from a failed DO probe in the aeration basin. The equipment has been serviced and is functioning properly.

On January 12 and 13, 2021 daily flows exceeded 16.6 MGD. Per the permit, reporting of mass loading is not required, however the mass loading on these dates were within permit limitations.

Feel free to call me at 503-823-8681 if you have any questions.

Sincerely, : M Rude

Lisa McBride Wastewater O&M Supervisor Tryon Creek Wastewater Treatment Plant Phone: 503-823-8681 Email: lisa.mcbride@portlandoregon.gov

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State of Oregon Discharge Monitoring Report

City of Pc 195 Footh Lake Osw	rtland - ' iills Road ego, OR	Tryon Ci d 8 97034-	reek WW 3163	TP			Tre Col	Pla atment llection	nt Type: System: System:	Activated S Class IV Class IV	Reportin ludge	ıg Mont	h: Janua	ıry 2021	N Recei	Major Basin: ving Stream: County:	Willam Willam Clackar	ette ette mas		Popula	ation Equ Permit 1 File 1 Ex	uivalent: Number: Number: piration	44,138 101614 70735 9/30/2009	
Date		Flow	1	P	lant Infl	uent									Pl	ant Effluent								
	Inf.	Inf.	Eff.	pH	BOD	TSS	pH	BOD	BOD	BOD	BOD	BOD	TSS	TSS	TSS	TSS	TSS	Eff	CL2	E.coli	Total	TKN	NH3	I NO3 +
	Total	Peak	Total	1 7	1 1	1 /		1	Wkly	Rem.		Wkly		Wkly	Rem.		Wkly	Temp	Res.		Р		1000	NO2
Jan-21	MGD	MGD	MGD		mg/L	mg/L		mg/L	mg/L	%	LBS	LBS	mg/L	mg/L	%	LBS	LBS	°C	mg/L	100ml	mg/L	mg/L	mg/L	mg/L
1st	6.54	10.89	5.98	7.0	· · ·		6.9		/							1	1	13.5	0.35	6			1	
2nd	13.93	16.49	8.55		\square'				9		_	390		6			274	13.4	0.29					
3rd	16.46	22.22	14.38	\square'	<60	23		5		92%	600		<3		87%	360		12.6	0.61					
4th	14.78	21.29	12.62	7.3	68	73	7.6	7		90%	737		7		90%	737		12.9	0.61	36				
5th	11.80	15.72	10.27	7.1	114	115	6.8	4		96%	343		<3		97%	257		12.6	0.63	44				
6th	10.53	15.53	9.16	7.1			6.94											13	0.53	27				
7th	10.45	13.86	9.03	7.1	123	110	6.8	8		93%	602		10		91%	753		12.9	0.45	32				
8th	9.58	14.41	8.43	7.2	!	\square	6.9		I									13.0	0.19	45				
9th	8.53	14.00	7.43	<u> </u>			<u> </u>		6		100	570		6	- 101		527	12.8	0.48					
10th	8.18	13.65	7.18	<u> </u> '	84	67	'	3	ļ]	96%	180	!	<3		96%	180		13.0	0.53					
11th	7.50	12.89	7.02	7.0	141	130	7.1	5		96%	293		6		95%	351		13.1	0.40	8				
12th	19.11	36.86	13.72	7.0	88	107	6.9	10	 	89%	1144	!	7		93%	801		13.1	0.43	600				
13th	23.78	38.34	14.72	6.9		07	6.9			070/	1000	'	17	I	000/	1541		11.8	1.19	180				
14th	14.01	17.88	10.87	7.1	92	87	6.9	12	 	87%	1088		17		80%	1541		12.3	1.41					
15th	11.13	15.49	9.69	7.1	[]	⊢ /	6.8					(7)				ļ!		12.8	0.73	11				
16th	9.41	14.33	8.89		110	1 00	 '	\vdash	8	0.59/	277	676		8	0.70 /	100	718	12.8	0.58					1
17th	8.34	13.09	7.53	1 70	115	99	174	6	——————————————————————————————————————	95%	3//		<3		97%	188		12.7	0.52					
18th	7.40	10.02	6.52	7.0	99	08	7.4	3	I	95%	212		<5		96%	163		13.1	0.39	8				
19th	6.09	10.81	5.92	8.2	210	1/5	7.0	42		80%	2074		ð		93%	395		12.9	0.40	0				
20th	5.00	10.00	5.47	7.2	200	108	7.1	0		069/	255	i1	6		070/	266		12.7	0.20	10				
21st	5.63	10.39	5.52	73	200	190	71	l°		90%	333	j]	- 0		9170	200		12.9	0.44	3				
2211u	5 30	11 10	4 70	1.5	()		1.1	H-+	15	ii		769		5		<u> </u>	253	12.9	0.34					
2.51u	5.97	11.13	5 37		122	113		8	15	93%	358	109	4		96%	179	200	12.0	0.40	+				
25th	6.04	9.96	5.34	74	220	200	71	7		97%	312		4		98%	179		12.0	0.37	7				
2.5th	5.82	10.20	5.23	75	116	68	70	7		94%	305		3		96%	131		12.0	0.32	770				
27th	7.27	11.54	6.46	73	t		69	\vdash										12.6	0.50	11				
28th	6.91	11.42	6.15	7.2	103	100	7.0	3		97%	154		<3		97%	154		12.6	0.56	6				
29th	6.32	10.16	5.82	7.3		92	7.0	— +					<3		97%	146		12.7	0.44	2				
30th	6.76	11.39	6.08		()	<u> </u>			6			282	<u> </u>	3			158	12.9	0.49					
31st	7.49	12.42	6.75		116			3		97%	169						100	12.9	0.47					
Min	5.4	10.0	4.8	6.9	60	23	6.8	3	6	80%	154	282	<3	3	80%	131	158	11.8	0.19	2				<u>+</u>
Max	23.8	38.3	14.7	8.2	220	200	7.6	42	15	97%	2074	769	17	8	98%	1541	718	13.5	1.41	770				
Avg	9.5	14.8	7.9	7.2	122	107	7.0	8	9	93%	551	538	5	6	94%	399	386	12.8	0.51	19				
Sum	293.9		245.8																					

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title: Lisa McBride, Plant Manager Certification #13818, Treatment Grade IV

Signature: Lisa MBride

Page 1 of 2

State of Oregon Discharge Monitoring Report

Reporting Month: January 2021

Notes

-1/12/2021 Daily E. coli of 600 exceeded daily limit of 406. Resample results 3300, 180, 32, 38 and 5 resulted in a geomean of 81.52.

-1/26/2021 Daily E. coli of 770 exceed daily limit of 406. Resample results 11, 13, 37, 14, and 7 resulted in a geomean of 13.8.

1/12 and 13/2021 Daily flows in excess of 16.6 MGD. Daily mass load limit suspended due to flows exceeding twice the design average dry weather flow.

During this reporting period, did all monitoring data and sampling	Yes	✓ No
frequencies meet permit requirements and limits? If no, explain.		
During this reporting period, were there unanticipated bypasses or upsets which exceeded effluent limits? If yes, explain.	Yes	√ No
During this reporting period, were there any sewer system overflows? If yes, please explain.	Yes	✓ No

Name and Title: Lisa McBride, Plant Manager

Certification #13818, Treatment Grade IV

Signature: Lisa MBude