NPDES Discharge Monitoring Report - Oregon Department of Environmental Quality (p. 1 of 2)

acility Name	City of Molalla WWTP	Phone #	(503) 793-0507	Month/Year	03/2023	
DEQ Permit #	101514	DEQ File #	57613	EPA Reference #		
Plant Type	Pre aerated lagoons with filtration	County	Clackamas	Population Served	9960	_

Operator Certification

Collection System Class 2 Principal Operator Adam Shultz Cert. #/Grade 12190/II 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 person or persons who manage the system, or 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.

Legally Authorized Signature

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-					INFLUEN ¹	-														FLUE	UT.												DECE	VINO 6	TREAM		1		DAILY LOG	T
Sa					BOD	<u> </u>	T	SS						BOD	1	T	TSS	3		FLUE		UTRIEN	NTS			DISI	NFECT	ION	С	OLIFOI	RM		RECE	VING 8	IKEAN	VI	-		Breakdowns, bypassing, odors, complaints, etc.	<u>-</u>
п,	£				composit	te		posite										<u>- </u>									hlorine		MPN	1	MPN		MOL	ALLA	RIVER				Drounds Mrs, Dypassing, Sacro, Somplainte, Sta	ے
Su, M, T, W, Th, F, Sa	Day of Month	Temperature	Æ	How	Concentration	S S S S S S S S S S S S S S S S S S S	Concentration	Loading	Temperature	Hd	Flow	Od	Concentration	% Removal	Loading	Concentration	% Removal	Loading	Total Kjeldahl	Ammonia	Nitrogen NO2 + NO3	Nitrogen-N	Alkalinity	Phosphorous	Pool 1 surrow V	Amount Used	Total Residual	Dechlorination (DMS)	E. Coli		Total		Dilution	Stream Flow	Temperature	River Alkalinity				Day of Mont
		°C	SU	MGD	mg/L lb	os	mg/L	lbs	°C	SU	MGD	mg/L	mg/L		lbs	mg/L		lbs	mg/	L mg	ı/L m	ıg/L		mg/L	lk	bs	mg/L	mg/L	С	FU/100	mL			CFS	°C					
W	1	12.1	6.9	1.188	113 1	120	190	1883	8.6	7.5	1.351	11.9	8 5	5 9	6 5	6 2	2 9	99 2	23							7	0.32	0.00)				25	718	4.7	7			BOD seed volume 6 ml and seed dolution 450ml. Seed in Range GGA results Low	1
Th	2	12.6							8.7	7.4	1.361															7	0.31	0.00)				24							2
F	3	12.3	7.0						9.0	7.4	1.360															7	0.29	0.00)				24							3
Sa	4		6.8	1.078					9.1	7.4	1.367	_									_					7	0.34	0.00)				24							4
Su	5	40.5	6.6			-			8.9		1.382			-					-		_					7	0.28	0.00)			1	23				1	-		5
M	6	12.5	6.9	1.030					9.2	7.5	1.371	11.8	4		-	-	-			-	+					1	0.30	0.00	<1		-	-	23	652	2 5.4	*	1	+-	POP 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6
Т	7	12.4	7.0	1.068	133 1	185	141	1256	9.3	7.5	1.302	11.6	2 6	5 9	5 6	55 3	3 9	98 3	33							6	0.26	0.00	O				23	644	10.0	0			BOD seed volume 6 ml and seed dolution 425ml. Seed in Range GGA results Low. River Temp connection on SCADA lsot get temps from WTP.	7
W	8	12.3	6.9	1.086	131 1	186	183	1657	8.8	7.4	1.158	11.6	3 6	6 9	5 5	i8 2	2 9	99 1	19							6	0.35	0.00					23	640	7.1	1 15.9	9		BOD seed volume 6 ml and seed dolution 425ml. Seed in Range GGA results Low	8
Th	9	9.8	6.9						9.0	7.3	1.182									1	6.3					8	0.36	0.00)				24			ô				9
F	10	12.3							9.0	6.3	1.167															7	0.46	0.00)				28	_						10
Sa	11		6.9						9.2		1.175			<u> </u>						_						7	0.34	0.00)				28							11
Su	12	40.0	6.3				-		9.4		1.149			-						-	_					7	0.32	0.00)	-		1	28	_				-		12
М	13	10.9	6.5	2.278					9.8	6.4	1.152	10.5	8								-					6	0.28	0.00)			1	75	1920	10.4	1		1	DOD 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13
Т	14	11.0	6.8	2.001	78 1	302	68	1135	9.5	7.4	1.149	11.4	5 6	6 9	2 5	57 2	2 9	97 1	19							6	0.29	0.00	<1				96	2660	11.4	1			BOD seed volume 8 ml and seed dolution 425ml. Seed Results High GGA results Low	14
W	15	11.5			84 1	134	56	756		7.3	1.137			5 9	4 4	7 2	2 9	96 1	19							6	0.27)				67			9			BOD seed volume 8 ml and seed dolution 425ml. Seed Results High GGA results Low	15
Th	16	11.6	+						10.4		1.137	_									_					6	0.25	0.00)				55							16
F	17	12.4	+			-			11.3	7.3	1.215	_		-					-		_					6	0.30	0.00)			1	47 45				1	-		17
Sa Su	18 19		6.9			-			11.9 12.3	7.4 7.2	1.248	_		-						-	-	-				9	0.32	0.00))	-		+	49					-		18 19
M	20	12.4							12.3		1.282									-	+	-				8	0.35	0.00) <1			+	55					+	+	20
Т	21	12.6			138 1	593	124	1431			1.288			4 9	0 15	60 (5 9	96 5	54							12	0.38	0.00					53						BOD back to SOP to try and gain clarity. Seed and GGA results were low	
W	22	12.6	7.0	1.300	141 1	529	123	1334	12.6	7.2	1.275	10.9	6 8	3 9	4 8	5	1 9	99 1	11							9	0.24	0.00)				49	1310) 10.3	3			BOD as per SOP. Seed and GGA passed(New box of GGA used) Will contiue with SOP to confirm that varience in results was from GGA Issue.	9 22
Th	23	12.8	6.8	1.345					12.4	7.2	1.282	11.0	4													11	0.34	0.00	D				51	1350	11.3	3				23
F	24	12.2	6.9	1.603					11.5	7.3	1.292	11.3	8													10	0.36	0.00)				50	1380	5.2	2			River Temp Connection Fixed	24
Sa	25		6.7	1.875					11.1		1.302															9	0.30	0.00)				49							25
Su	26		6.7	1.711					11.6		1.286				1		1				\perp					9	0.27	0.00)				47					1		26
М	27	12.3	6.9	1.563					11.7		1.623	_			<u> </u>		<u> </u>			_						15	0.60	0.00)	<u> </u>			45	_						27
T	28	12.0	6.4			212	81	_	11.4		1.930	_		8	, ,,	-			32		\bot					15	0.33	0.00	<1		<u> </u>	1	46				1	1	GGA barely low, Slpit Sample with Edge Lab	28
W	29	11.7	6.4		74 1	115	66	994	11.4		1.952			8	9 13	10 2	2 9	97 3	33	_	_					17	0.47	0.00)	<u> </u>	1		51				1	1	Seed and GGA low. Slpit Sample with Edge Lab	29
Th	30	12.1	6.5	1.636					11.6	7.2	2.296	11.5	U	1	1		1									18	0.45	0.00	J	<u> </u>			49	1360	6.6	Ó	<u> </u>			30

F 31	12	2.4	6.5	1.550					11.5	7.1	2.413	11.15											42	0.32	0.00)			47	1260	6.7				31
Total				43.798		11375		11658			42.849	9			795			242	2				305												
Daily Min	9	9.8	6.3	1.030	74	1115	56	756	8.6	6.3	1.13	10.58	5	89	47	1	96	11	I	16.3			6	0.24	0.00	(1		25	640	4.7	15.90			
Daily Max	12	2.8	7.0	2.278	141	1593	190	1883	12.6	7.5	2.413	12.09	14	96	150	5	99	54	1	16.3			42	0.60	0.00	(1		91	2660	11.4	15.90			
Wkly Avg										7.5			10		115	4	ļ.	36	6										0	2660	11.4				
Mo Avg	12	2.0	6.8	1.413	108	1264	115	1295	10.5	7.2	1.382	11.38	7	93	88	2	98	27	7	16.3			10	0.33	0.00	(1		42	1166	7.6	15.90			
Daily Limits										6.0-9.0					800			480		25.9					0.18	406								Going to open new GGA box on next BOD setup	
Wkly Limits									18º C				37		600	20		300												>350				to see if it was a "lot issue.	
Mo Limits													25	>85%	400	15	>85%	240		16.7					0.07	126									

Facili	tv Nan	ne.	City of I	Molalla \	WWTP			141		h/Year		04/202			atory Na			Analytic		arui	_					ceedance	_	••			ause :	and ste	ns take	en or n	lans to	reduc	ce eli	minate, or prev	ent rec	urren		WS005
DEQ	-		101514		••••			_	DEQ F			5761	_		AP Lab		3254/3		-							al pages if			2000115		aaoo, i	and old	po tare	511 O1 P	iano to	Toda	, oii	illinato, or pro-	0111 100	Janon	00 01	
700 N	on DE	Q NWF tnomal	h St. Sui	ite 600			Notes	*If a *If gr	cate sam sewer sy roundwat	stem o	overflow nitoring i	occurs	at more ed, repo	than on rt data ir	e location	on, atta dance v	ch an ao	dditional	report.																							
Portla	ind, O	R 9723	2			<u> </u>		*For	additiona					on DEQ	Comple	eting DN	<u>IRs</u>			Ī	<u> </u>			Ī				SEWER	SYSTEM	SEWER	SYSTEM	RE	CLAIM	ED			_					
F, Sa	ų.		Α	ERATIO	ON BAS	SIN			Primary			econdar				SC	LIDS			AERC		GESTEI #1	R CELL	AERO		GESTER (#2	ELL		FLOW		PASS		WATER		<u></u>	Onsite	۽					
Su, M, T, W, Th, F,	Day of Month	MCRT	Sludge Volume Index	MLSS	Hd	Temp	OO	Depth	00		Depth	DO		TS to Digester	Transported to other WWTF	Quantity Land Applied	% Volatile Solids Reduction	Alkaline Product (insert Type)	Septage Received	% Total Solids	Temperature	Hd		VA/Alkalinity	Temperature	Hď		Flow	Duration	Flow	Duration	Volume Land Applied	Acres Irrigated	Quantiy Irrigated	Rainfall (inches	Operator(s) Time O (hrs/day)	Day of Month					
		Days			SU	°C	mg/L	Fee	et mg/L	-	Fee	t mg/l	-			gal		lbs/gal				SU				SU		gal	hrs	gal	hrs	MGD	acres	in/acre				1				
W	1								0.4 5.2			5.8 12.0	_																						0.00			During this re			Yes	
Th	2								0.4 5.6	_	_	5.9 10.0	+													 									0.03	9.		did all monito sampling free			<u></u>	
F Sa	3							10	0.4 5.1	9	5	5.8 10.3	3													+ +									0.00	9. 6.		permit regiure			No	
Su	5																									 									0.03		_	limits? If "no,	explain			
M	6							10	0.4 3.8	2	5	5.7 11.1	4													 									0.15		_	1				
Т	7								0.4 0.3	_	5	5.7 11.7	0																						0.06	9.	0 7	During this re			Yes	
W	8							10	0.4 6.6	4	5	5.7 12.5	6																						0.07	9.	0 8	were there un bypasses or				
Th	9							_	0.5 4.1		_	5.7 11.3	_																						0.18		0 9	exceeded an			No	
F	10							10	0.6 5.6	2	5	5.7 11.8	6																						0.03		0 10		," explai	n.		
Sa	11																																		0.05		0 11	_				
Su M	12							10	0.8 4.3	4	-	5.9 10.4	4													 									0.37	6. 9.	_	_	norting :	nerind	Yes	
T	14								1.2 4.3		_	5.1 11.2														 									0.02	9.		were there ar	y sewer	r	162	
W	15								1.2 5.7			3.3 9.3	_													 									0.00	9.		 system overf 	ows? If	"yes,"	No	
Th	16							11		_		6.7 9.2	_																						0.00			CAPIAIII.				
F	17							11	1.0 5.7	7	7	'.0 9.8	9																						0.00	9.	0 17					
Sa	18																																		0.00	6.	_					
Su	19																																		0.26			· · · · · · · · · · · · · · · · · ·	Used	Cost	Comme	nts
M	20							_	0.5 2.6		_	7.6 6.8														-									0.02	9.	_	_				
T W	21							_	0.5 0.9 0.5 1.0			7.7 6.0 7.6 5.2	_																						0.00		0 21					
Th	23			-	<u> </u>		+		0.7 3.0	_	_	.6 5.2 '.5 6.4	_	+		+	1	+	1	1	1	1	 			+						+			0.00	9.		_				
F	24				1		+		0.8 3.5		_	'.5 6.7	_	1		1	1	1	1	1	1														0.27	9.						
Sa	25						1	L		L	1	1	L	L		L																			0.27	6.	_	_				
Su	26																																		0.01	6.						
М	27				<u> </u>	ļ			1.0 5.9		_	'.9 8.0			<u> </u>			<u> </u>		<u> </u>	<u> </u>					+									0.19				es (refere	ence at	tachments he	re)
T W	28							_	0.8 7.6			3.1 7.6	_																						0.32		0 28	4				
Th	29 30								0.9 2.8 0.8 3.8			3.2 6.4 3.2 8.9	_													 									0.00		0 29 0 30					
F	31								0.8 7.6		_	3.1 8.6														 									0.12		0 30					
Total	J1							10	0.0 1.0	3		7.1	J													 										255.		1				
Daily I	/lin				 			10	0.4 0.3	0	5	5.7 5.2	1			1		†		1	1					+ +									0.00			1				
Daily I	/lax							_	1.2 7.6			3.2 12.5	_							1	1					 									0.88			11				
Wkly Avg	Max]				
Monthly A	vg							10	0.7 4.4	3	6	5.8 9.2	3																						0.15	8.	2					