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

Facility Name	City of Molalla WWTP	**Phone #**	(503) 793-0507	**Month/Year**	02/2024
DEQ Permit #	101514	**DEQ File #**	57613	**EPA Reference #**	
Plant Type	Pre aerated lagoons with filtration	**County**	Clackamas	**Population Served**	9960

WS005

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

Seth Kelly

Date Name

Operator Certification

Collection System Class	2	**Principal Operator**	Adam Shultz	**Cert. #/Grade**	12190/II
Treatment System Class	3	**Principal Operator**	Seth Kelly	**Cert. #/Grade**	14110/III

Su, M, T, W, Th, F, Sa	Day of Month	INFLUENT Temperature	INFLUENT pH	INFLUENT Flow	INFLUENT BOD composite Concentration	INFLUENT BOD composite Loading		INFLUENT TSS composite Concentration	INFLUENT TSS composite Loading	EFFLUENT Temperature	EFFLUENT pH	EFFLUENT Flow	EFFLUENT DO	EFFLUENT BOD Concentration	EFFLUENT BOD % Removal	EFFLUENT BOD Loading	EFFLUENT TSS Concentration	EFFLUENT TSS % Removal	EFFLUENT TSS Loading	EFFLUENT NUTRIENTS Total Kjeldahl Nitrogen	EFFLUENT NUTRIENTS Ammonia Nitrogen	EFFLUENT NUTRIENTS NO2 + NO3 Nitrogen-N	EFFLUENT NUTRIENTS Alkalinity	EFFLUENT NUTRIENTS Total Phosphorous	EFFLUENT NUTRIENTS OIL & GREASE	EFFLUENT DISINFECTION Chlorine Amount Used	EFFLUENT DISINFECTION Chlorine Total Residual	EFFLUENT DISINFECTION Chlorine Dechlorination (DMS)	EFFLUENT COLIFORM MPN E. Coli		EFFLUENT COLIFORM MPN Total	RECEIVING STREAM MOLALLA RIVER Dilution	RECEIVING STREAM MOLALLA RIVER Stream Flow	RECEIVING STREAM MOLALLA RIVER Temperature	RECEIVING STREAM MOLALLA RIVER River Alkalinity			DAILY LOG Breakdowns, bypassing, odors, complaints, etc.	Day of Month
		°C	SU	MGD	mg/L	lbs		mg/L	lbs	°C	SU	MGD	mg/L	mg/L		lbs	mg/L		lbs	mg/L	mg/L	mg/L		mg/L		lbs	mg/L	mg/L	CFU/100 mL				CFS	°C					
Th	1	13.0	7.5	1.399						12.3	6.9	2.794	9.85													18	0.36	0.00				106	2520	7.5					1
F	2	12.9	7.4	1.252						12.2	6.9	2.791	10.07													23	0.35	0.00				89	2160	6.7					2
Sa	3		7.4	1.141						11.9	6.8	2.771	10.12													21	0.34	0.00				77	1880	5.9					3
Su	4		7.3	1.112						11.6	7.0	2.791	9.92													21	0.37	0.00				70	1670	5.5					4
M	5	13.2	6.4	1.136						11.4	6.9	2.802	10.15													21	0.26	0.00	<1			64	1570	6.3				Ambient River Ammonia:<.015 (.006)	5
T	6	13.3	7.2	1.160	159	1538		157	1519	11.4	7.0	2.800	10.07	12	92	280	2	99	47		8.4					19	0.33	0.00				65	1580	6.2	14.90				6
W	7	13.2	7.3	1.104						11.4	7.0	2.779	9.90													22	0.41	0.00				64	1530	6.0					7
Th	8	13.0	7.5	1.014	134	1133		139	1175	11.3	6.9	2.802	10.34	14	90	327	3	98	70							23	0.42	0.00				58	1460	5.9					8
F	9	13.0	7.5	1.043						11.1	7.0	2.802	10.41													20	0.37	0.00				57	1430	5.6					9
Sa	10		7.3	1.019						11.2	7.0	2.790	10.27													23	0.31	0.00				56	1390	5.4					10
Su	11		7.4	1.016						11.5	7.0	2.758	10.09													21	0.31	0.00				55	1350	6.8					11
M	12	13.5	7.6	0.962						11.6	7.0	2.775	10.16													20	0.33	0.00	<1			57	1410	6.8					12
T	13	12.9	8.0	0.886						11.0	7.0	2.772	10.38													21	0.33	0.00				55	1390	5.0					13
W	14	11.8	8.1	0.934	157	1223		150	1168	10.4	6.9	2.762	10.30	33	79	760	6	96	138							18	0.29	0.00				54	1340	4.6				QA/QC Fail Effluent sample BOD all final DO's <1	14
Th	15	13.2	7.6	1.127	126	1184		193	1814	10.4	7.0	2.749	10.38	23	82	527	3	98	78							18	0.32	0.00				60	1500	5.2				Effluent sampler suction hose had algae and biofilm growth. Non-complince letter sent to DEQ.	15
F	16	12.4	7.7	1.402						10.2	7.0	2.353	10.20													18	0.28	0.00				78	1920	5.5					16
Sa	17		7.3	1.256						10.1	6.9	2.186	9.98													21	0.40	0.00				77	1850	6.1					17
Su	18		7.8	1.211						10.1	6.9	2.188	10.25													19	0.33	0.00				71	1760	6.9					18
M	19		7.4	1.141						10.5	7.1	2.164	9.98													17	0.27	0.00				71	1710	7.4					19
T	20	13.1	8.1	1.132	115	1086		108	1020	11.0	6.9	2.196	9.85	23	80	421	2	98	37							19	0.24	0.00	<1			68	1610	7.4					20
W	21	12.8	7.6	1.382	94	1083		75	864	11.5	6.9	2.200	9.89	18	81	330	2	97	37							18	0.30	0.00				72	1720	7.1					21
Th	22	13.1	7.6	1.260						11.7	6.8	2.184	9.91													17	0.32	0.00				88	2100	6.9				Ambient River Ammonia: .019	22
F	23	13.5	7.4	1.120						12.5	6.9	2.195	9.43													17	0.26	0.00				83	1890	6.6					23
Sa	24		7.0	1.063						12.6	6.8	2.210	9.65													19	0.31	0.00				73	1700	6.4					24
Su	25		7.0	1.084						12.4	6.8	2.218	9.57													21	0.27	0.00				67	1550	6.7					25
M	26	12.7	8.1	1.531						11.8	6.9	1.789	9.26													21	0.31	0.00	<1			99	2210	4.6					26
T	27	12.6	7.8	1.332	98	1089		87	966	10.8	7.0	1.482	9.64	25	74	309	1	99	12							18	0.37	0.00				95	2220	5.4					27
W	28	12.8	7.2	1.261	91	957		92	968	10.6	6.8	1.491	10.07	12	87	149	1	99	12							22	0.24	0.00				93	2270	6.2				New Operators first BOD setup w/ SAK	28
Th	29	11.5	7.7	3.971						10.2	7.0	1.495	11.35													32	0.30	0.00				224	6150	5.1					29
																																0							30
																																0							31
Total				36.451		9294			9495			70.089				3105			431							588													
Daily Min		11.5	6.4	0.886	91	957		75	864	10.1	6.8	1.482	9.26	12	74	149	1	96	12		8.4					17	0.24	0.00	<1			60	1340	4.6	14.90				
Daily Max		13.5	8.1	3.971	159	1538		193	1814	12.6	7.1	2.802	11.35	33	92	760	6	99	138		8.4					32	0.42	0.00	<1			224	6150	7.5	14.90				
Wkly Avg											7.1			24		544	5		104													0	6150	7.4					
Mo Avg		12.9	7.5	1.257	122	1162		125	1187	11.3	6.9	2.417	10.05	20	84	388	3	98	54		8.4					20	0.32	0.00	<1			78	1891	6.1	14.90				
Daily Limits											6.0-9.0					800			480		25.9							0.18	406										
Wkly Limits										18° C				37		600	20		300														>350						

Mo Limits													**25**	**>85%**	**400**	**15**	**>85%**	**240**		**16.7**							**0.07**	**126**										

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

WS005

Facility Name	City of Molalla WWTP	**Month/Year**	04/2022	**Laboratory Name:**	Edge Analytical
DEQ Permit #	101514	**DEQ File #**	57613	**ORELAP Lab ID#:**	3254/3255

Explanation of permit limit exceedances (include description, cause, and steps taken or plans to reduce, eliminate, or prevent recurrence of noncompliance; attach additional pages if needed):

Non-complince letter sent to DEQ. Lack of Effluent sampler draw hose cleaning believed to cause high BOD in two samples cause a weekly loading and monthly removal violation. Hose cleaing has been completed and updated in Work Order system.

Mail original to:
Oregon DEQ NWR
700 NE Multnomah St. Suite 600
Portland, OR 97232

Notes: *Indicate sample type for TSS, BOD, CBOD, and nutrients and test method for coliform.
*If a sewer system overflow occurs at more than one location, attach an additional report.
*If groundwater monitoring is required, report data in accordance with permit conditions.
*For additional information, refer to: *Oregon DEQ Completing DMRs*

Su, M, T, W, Th, F, Sa	Day of Month	AERATION BASIN						LAGOON OR POLISHING POND						SOLIDS						AEROBIC DIGESTER CELL #1				AEROBIC DIGESTER CELL #2				SEWER SYSTEM OVERFLOW outfall:		SEWER SYSTEM BYPASS outfall:		RECLAIMED WATER outfall:			Rainfall (inches)	Operator(s) Time Onsite (hrs/day)	Day of Month
								Primary Cell			Secondary Cell																										
		MCRT	Sludge Volume Index	MLSS	pH	Temp	DO	Depth	DO		Depth	DO		TS to Digester	Transported to other WWTF	Quantity Land Applied	% Volatile Solids Reduction	Alkaline Product (insert Type)	Septage Received	% Total Solids	Temperature	pH		VA/Alkalinity	Temperature	pH		Flow	Duration	Flow	Duration	Volume Land Applied	Acres Irrigated	Quantity Irrigated			
		Days			SU	°C	mg/L	Feet	mg/L		Feet	mg/L				gal		lbs/gal	gal			SU				SU		gal	hrs	gal	hrs	MGD	acres	in/acre			
Th	1							11.5	5.15		10.6	3.79																							0.00	9.0	1
F	2							11.7	2.88		10.2	6.94																							0.00	9.0	2
Sa	3																																		0.00	6.0	3
Su	4																																		0.08	6.0	4
M	5							10.9	3.70		10.0	8.57																							0.22	9.0	5
T	6							10.7	4.74		10.0	10.45																							0.03	9.0	6
W	7							10.5	3.44		9.9	8.25																							0.07	9.0	7
Th	8							10.3	4.64		9.7	9.58																							0.14	9.0	8
F	9							10.3	4.17		9.4	10.56																							0.04	9.0	9
Sa	10																																		0.00	6.0	10
Su	11																																		0.06	6.0	11
M	12							10.1	3.97		8.7	8.16																							0.04	9.0	12
T	13							10.2	5.55		8.3	0.74																							0.00	9.0	13
W	14							10.2	4.68		8.0	0.30																							0.24	9.0	14
Th	15							10.2	3.88		7.6	6.17																							0.49	9.0	15
F	16							10.4	4.48		7.4	6.33																							0.01	9.0	16
Sa	17																																		0.10	6.0	17
Su	18																																		0.04	6.0	18
M	19																																		0.00	6.0	19
T	20							10.7	3.92		6.5	6.32																							0.25	9.0	20
W	21							10.8	3.78		6.4	6.88																							0.21	9.0	21
Th	22							10.8	5.00		6.3	5.80																							0.00	9.0	22
F	23							10.8	5.12		6.2	1.07																							0.00	9.0	23
Sa	24																																		0.00	6.0	24
Su	25																																		0.60	6.0	25
M	26							10.7	4.61		6.0	8.49																							0.12	9.0	26
T	27							10.7	4.32		6.1	8.25																							0.03	9.0	27
W	28							10.7	5.08		6.3	8.09																							0.96	9.0	28
Th	29																																		0.58	9.0	29
Total																																			4.31	234.0	
Daily Min								10.1	2.88		6.0	0.30																							0.00	6.0	
Daily Max								11.7	5.55		10.6	10.56																							0.96	9.0	
Wkly Avg Max																																					
Monthly Avg								10.6	4.37		8.1	6.57																							0.15	8.1	

During this reporting period did all monitoring data and sampling frequencies meet permit reqiurements and limits? If "no," explain. ☐ Yes ☐ No

During this reporting period were there unanticipated bypasses or upsets which exceeded any effluent limits? If "yes," explain. ☐ Yes ☐ No

During this reporting period were there any sewer system overflows? If "yes," explain. ☐ Yes ☐ No

Energy	Used	Cost	Comments
Power KWH			
Fuel Gas			
Oil			

Additional Notes (reference attachments here)