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

Facility Name	City of Molalla WWTP	**Phone #**	(503) 793-5283	**Month/Year**	09/2024
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

Date

Seth Kelly

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**	14555/IV

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: REUSE FOR IRRIGATION 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 Kjedahl Nitrogen	EFFLUENT NUTRIENTS Total Phosphorus	EFFLUENT NUTRIENTS Ammonia Nitrogen	EFFLUENT NUTRIENTS ALKALINITY	EFFLUENT NUTRIENTS NO2 + NO3 Nitrogen-N	EFFLUENT DISINFECTION Chlorine Amount Used	EFFLUENT DISINFECTION Chlorine Total Residual	EFFLUENT Turbidity	EFFLUENT COLIFORM MPN E. Coli	EFFLUENT COLIFORM MF Total	RECEIVING STREAM	RECEIVING STREAM Dilution	RECEIVING STREAM Stream Flow	RECEIVING STREAM Temperature				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	NTU	CFU/100 mL				CFS	°C					
Su	1		6.2	0.580																																		1
M	2		6.1	0.634																																		2
T	3	22.4	6.8	0.601	284	1424		223	1118			0.467													27		0.6											3
W	4	22.3	6.5	0.603	205	1031		61	307		7.3	0.935													50	1.43	0.4			<1								4
Th	5	22.3	6.8	0.615							7.2	0.937													49	1.74	0.4											5
F	6	22.4	6.7	0.635								0.909													53	1.46	0.5											6
Sa	7		5.8	0.611								0.884													45	1.40	0.5											7
Su	8		5.4	0.612								0.563													34	1.06	0.6											8
M	9	22.3	7.0	0.598								0.989													44	0.33	0.5											9
T	10	22.5	6.9	0.582	293	1422		237	1150			1.364													70	1.38	0.3			<1								10
W	11	22.5	6.9	0.595	272	1350		242	1201			1.093													55	1.19	0.3											11
Th	12	22.2	6.8	0.590								1.236													57	1.06	0.3											12
F	13	22.1	6.6	0.569								0.837													56	1.49	0.3											13
Sa	14		6.2	0.582								0.473													39	0.94	0.3											14
Su	15		5.8	0.606								0.452													33	1.13	0.3											15
M	16	22.4	6.9	0.570							6.9	1.045													47	0.65	0.3			<1								16
T	17	21.9	6.7	0.560	300	1401		245	1144		7.5	1.436													65	1.43	0.4											17
W	18	22.3	6.5	0.566	276	1303		205	968			1.088													64	1.31	0.3											18
Th	19	21.5	6.5	0.552								1.253													62	1.26	0.3											19
F	20	22	6.5	0.545								0.893													57	0.42	0.3											20
Sa	21		6.5	0.543								0.476													46	0.92	0.3											21
Su	22		6.7	0.581								0.468													39	1.23	0.2											22
M	23	22	6.5	0.560							7.6	1.068													46	1.50	0.3			<1								23
T	24	21.8	6.5	0.557	228	1059		197	915		7.1	1.409													69	1.79	0.3											24
W	25	21.9	6.3	0.605	219	1105		172	868			1.178													62	1.73	0.5											25
Th	26	21.3	6.2	0.608								0.971													46	1.37	0.5											26
F	27	21.8	6.2	0.579								0.661													42	1.54	0.3											27
Sa	28		6.0	0.575								0.489													29	1.13	0.3											28
Su	29		6.2	0.583								0.457													29	1.19	0.3											29
M	30	21.4	6.4	0.563							7.3	0.712													31	1.59	0.3			23.1								30
Total				17.560		10095			7671			24.743													1346													
Daily Min		21.3	5.4	0.543	205	1031		61	307		6.9	0.452													27	0.33	0.2			23.1								
Daily Max		22.5	7.0	0.635	300	1424		245	1201		7.6	1.436													70	1.79	0.6			23.1								
Wkly Avg																																						
Mo Avg		22.1		0.585	260	1262		198	959		7.3	0.884													48	1.25	0.4			23.1								
Daily Limits																											<2.0			23								
Wkly Limits																														2								
Mo Limits																																						

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

WS005

Facility Name	City of Molalla WWTP	**Month/Year**		**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):

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		SEWER SYSTEM BYPASS		RECLAIMED WATER			Rainfall (inches)	Operator(s) Time Onsite (hrs/day)	Day of Month
								Primary Cell			Secondary Cell																	outfall:		outfall:		outfall:					
		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			
Su	1																																		0.00	6	1
M	2																																		0.00	6	2
T	3							10.4	0.29		8.2	1.26																							0.00	9	3
W	4							10.4	1.38		8.1	5.54																							0.00	9	4
Th	5							10.4	0.26		8.1	4.54																							0.00	9	5
F	6							10.4	0.33		8.1	1.57																							0.00	9	6
Sa	7																																		0.00	6	7
Su	8																																		0.00	6	8
M	9							10.2	3.12		8.2	0.42																							0.00	9	9
T	10							10.2	0.43		8.0	2.56																							0.10	9	10
W	11							10.3	0.39		7.7	1.44																							0.14	9	11
Th	12							10.4	1.10		7.5	1.41																							0.00	9	12
F	13							10.5	3.20		7.3	2.57																							0.00	9	13
Sa	14																																		0.00	6	14
Su	15																																		0.00	6	15
M	16							10.8	13.86		7.0	9.04																							0.00	9	16
T	17							10.6	1.02		7.0	4.23																							0.02	9	17
W	18							10.6	1.67		6.9	1.65																							0.01	9	18
Th	19							10.5	1.91		6.8	3.28																							0.00	9	19
F	20							10.5	0.74		6.7	2.38																							0.00	9	20
Sa	21																																		0.00	6	21
Su	22																																		0.00	6	22
M	23							10.3	1.42		6.9	4.30																							0.00	9	23
T	24							10.4	0.70		6.6	3.52																							0.00	9	24
W	25							10.4	1.53		6.4	0.76																							0.43	9	25
Th	26							10.5	0.63		6.3	1.95																							0.01	9	26
F	27							10.5	0.37		6.1	3.17																							0.00	9	27
Sa	28																																		0.00	6	28
Su	29																																		0.00	6	29
M	30							10.7	4.42		6.1	6.96																							0.00	9	30
Total																																			0.71	240	
Daily Min								10.2	0.26		6.1	0.42																							0.00	6	
Daily Max								10.8	13.86		8.2	9.04																									
Wkly Avg Max																																					
Monthly Avg								10.5	1.94		7.2	3.13																							0.02	8.0	

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

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

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

Energy	Used	Cost	Comments
Power KWH			
Fuel Gas			
Oil			

Additional Notes (reference attachments here)

REUSE: City of Molalla

WS005

Day	Header FM MGD	Plant total Inches/acre	Nursery MGD	Inches/acre	North Coleman MGD	Inches/acre	South Coleman MGD	inches/acre	Jorgensen MGD	Inches/acre	Cemetary MGD	Inches/acre	WWTP Irrigation pump #1 MGD	Total Irr. MGD
9/1/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
9/2/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
9/3/2021		0.0		0.0	0.467	0.1		0.0		0.0		0.0		0.467
9/4/2021		0.0		0.0	0.935	0.1		0.0		0.0		0.0		0.935
9/5/2021		0.0		0.0	0.937	0.1		0.0		0.0		0.0		0.937
9/6/2021		0.0		0.0	0.909	0.1		0.0		0.0		0.0		0.909
9/7/2021		0.0		0.0	0.884	0.1		0.0		0.0		0.0		0.884
9/8/2021		0.0		0.0	0.563	0.1		0.0		0.0		0.0		0.563
9/9/2021		0.0		0.0	0.659	0.1	0.330	0.1		0.0		0.0		0.989
9/10/2021		0.0		0.0	0.909	0.1	0.455	0.1		0.0		0.0		1.364
9/11/2021		0.0		0.0	1.093	0.1		0.0		0.0		0.0		1.093
9/12/2021		0.0		0.0	0.824	0.1	0.412	0.1		0.0		0.0		1.236
9/13/2021		0.0		0.0	0.837	0.1		0.0		0.0		0.0		0.837
9/14/2021		0.0		0.0	0.473	0.1		0.0		0.0		0.0		0.473
9/15/2021		0.0		0.0	0.452	0.1		0.0		0.0		0.0		0.452
9/16/2021		0.0		0.0	0.697	0.1	0.348	0.1		0.0		0.0		1.045
9/17/2021		0.0		0.0	0.479	0.1	0.957	0.2		0.0		0.0		1.436
9/18/2021		0.0		0.0	0.363	0.0	0.725	0.2		0.0		0.0		1.088
9/19/2021		0.0		0.0	0.418	0.1	0.835	0.2		0.0		0.0		1.253
9/20/2021		0.0		0.0	0.893	0.1		0.0		0.0		0.0		0.893
9/21/2021		0.0		0.0	0.476	0.1		0.0		0.0		0.0		0.476
9/22/2021		0.0		0.0		0.0	0.468	0.1		0.0		0.0		0.468
9/23/2021		0.0		0.0	0.712	0.1	0.356	0.1		0.0		0.0		1.068
9/24/2021		0.0		0.0	0.939	0.1	0.470	0.1		0.0		0.0		1.409
9/25/2021		0.0		0.0	1.178	0.2		0.0		0.0		0.0		1.178
9/26/2021		0.0		0.0	0.486	0.1	0.485	0.1		0.0		0.0		0.971
9/27/2021		0.0		0.0	0.661	0.1		0.0		0.0		0.0		0.661
9/28/2021		0.0		0.0	0.489	0.1		0.0		0.0		0.0		0.489
9/29/2021		0.0		0.0	0.457	0.1		0.0		0.0		0.0		0.457
9/30/2021		0.0		0.0	0.356	0.0	0.356	0.1		0.0		0.0		0.712
		0.0				0.0		0.0				0.0		0.000
TOTAL	0.000	0.0	0.000	0.0	18.545	2.5	6.198	1.3	0.000	0.0	0.000	0.0	0.000	24.743
MAX	0.000	0.0	0.000	0.0	1.178	0.2	0.957	0.2	0.000	0.0	0.000	0.0	0.000	1.436
MIN	0.000	0.0	0.000	0.0	0.356	0.0	0.330	0.0	0.000	0.0	0.000	0.0	0.000	0.000
AVG	#DIV/0!	0.0	#DIV/0!	0.0	0.687	0.1	0.516	0.0	#DIV/0!	0.0	#DIV/0!	0.0	#DIV/0!	0.825
PERMIT #	101514													
FILE #	57613													