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

WS005

Facility Name	City of Molalla WWTP	**Phone #**	(503) 793-5283	**Month/Year**	06/2023
DEQ Permit #	101514	**DEQ File #**	57613	**EPA Reference #**	
Plant Type	Pre aerated lagoons with filtration	**County**	Clackamas	**Population Served**	9960

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**	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: 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							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						
Th	1	17.6	6.8	1.022								1.446													70	4.00	0.4			1.0									1
F	2	17.9	6.7	0.938								0.805													46	2.60	0.3			<1									2
Sa	3		6.7	0.927								0.415													26	1.54	0.2			<1									3
Su	4		6.7	0.937								0.505													30	1.08	0.3			<1									4
M	5	18	6.7	0.957							7.5	0.883													55	1.85	0.3			<1									5
T	6	18.1	6.7	0.994	221	1832		218	1807		7.5	1.122													48	2.60	0.3			<1									6
W	7	18.2	6.7	1.149	191	1830		178	1706			1.407													70	3.50	0.4			<1									7
Th	8	18.4	6.8	1.206								1.197													52	2.60	0.3			<1									8
F	9	18.4	6.8	1.259								0.958													46	2.80	0.3			<1									9
Sa	10		6.6	1.165								0.820													37	0.85	0.3			<1									10
Su	11		6.3	1.171								0.865													53	1.08	0.5			1.0									11
M	12	18.6	6.7	1.107							7.7	1.231													68	2.80	0.5			<1									12
T	13	18.5	6.8	1.196	200	1995		239	2384		7.5	1.613													106	4.50	0.6			<1									13
W	14	18.5	6.7	1.176	220	2158		252	2472			1.859													88	3.30	0.6			<1									14
Th	15	18.7	6.8	1.163								2.012													85	3.20	0.5			<1									15
F	16	18.8	6.8	1.173								1.190													53	3.50	0.5			<1									16
Sa	17		6.7	1.241								0.650													37	1.82	0.4			15.5									17
Su	18		6.7	1.212								0.556													40	1.65	0.4			18.9									18
M	19	18.7	6.8	1.105								0.913													46	1.53	0.4			<1									19
T	20	18.3	7.1	0.735	239	1465		232	1422		7.7	1.081													51	3.30	0.4			<1								Inf ultrasonic flow meter adjust to match parshall flume	20
W	21	18.4	6.7	0.559	215	1002		184	858		7.7	1.365													70	2.50	0.4			<1									21
Th	22	18.8	6.8	0.539								1.464								17.20	0.17	16.70		1.40	73	3.30	0.5			<1									22
F	23	19.1	6.9	0.540								1.015													62	3.30	0.5			<1									23
Sa	24		6.8	0.503								0.71													43	3.90	0.5			<1									24
Su	25		6.8	0.526								0.601													35	2.50	0.5			<1									25
M	26	20	6.9	0.516							7.5	1.371													55	2.30	0.5			<1									26
T	27	19.6	6.9	0.501	233	974		207	865		7.5	1.923													70	1.71	0.6			<1									27
W	28	19.6	6.8	0.505								1.868													86	3.30	0.7			<1									28
Th	29	19.5	6.7	0.513	202	864		203	869			1.720													63	3.00	0.6			<1									29
F	30	19.9	6.6	0.511								1.158													53	1.43	0.6			<1									30
Total				27.046		12120			12382			34.723													1717														
Daily Min		17.6	6.3	0.501	191	864		178	858		7.5	0.415								17.20	0.17	16.70		1.40	26	0.85	0.2			1.0									
Daily Max		20.0	7.1	1.259	239	2158		252	2472		7.7	2.012								17.20	0.17	16.70		1.40	106	4.50	0.7			18.9									
Wkly Avg																																							
Mo Avg		18.7		0.902	215	1515		214	1548		7.6	1.157								17.20	0.17	16.70		1.40	57	2.58	0.4			9.1									
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			
Th	1							11.0	2.64		11.5	7.52																							0.00	9	1
F	2							11.0	8.25		11.4	6.40																							0.00	9	2
Sa	3																																		0.00	6	3
Su	4																																		0.00	6	4
M	5							10.8	8.46		11.6	5.50																							0.00	9	5
T	6							10.9	10.10		11.6	3.03																							0.00	9	6
W	7							10.9	6.33		11.4	1.11																							0.00	9	7
Th	8							11.0	9.95		11.1	0.95																							0.00	9	8
F	9							11.1	4.00		10.9	0.52																							0.04	9	9
Sa	10							11.1			10.9																								0.00	6	10
Su	11							11.0			11.0																								0.00	6	11
M	12							11.0	14.32		11.0	9.53																							0.00	9	12
T	13							10.9	19.97		10.9	9.41																							0.00	9	13
W	14							10.8	14.11		10.8	7.20																							0.00	9	14
Th	15							10.7	2.15		10.5	6.50																							0.00	9	15
F	16							10.7	1.27		10.3	6.01																							0.00	9	16
Sa	17																																		0.05	6	17
Su	18																																		0.22	6	18
M	19							10.5	7.83		10.5	2.52																							0.30	9	19
T	20							10.4	2.76		10.5	2.19																							0.00	9	20
W	21							10.4	3.28		10.5	2.51																							0.00	9	21
Th	22							10.3	4.70		10.4	4.70																							0.00	9	22
F	23							10.3	11.50		10.3	3.11																							0.00	9	23
Sa	24																																		0.00	6	24
Su	25																																		0.00	6	25
M	26							10.0	0.28		10.4	4.06																							0.00	9	26
T	27							10.0	3.40		10.2	3.19																							0.00	9	27
W	28							9.9	2.76		10.0	3.08																							0.00	9	28
Th	29							10.0	0.74		9.7	1.45																							0.00	9	29
F	30							9.9	9.85		9.5	0.45																							0.00	9	30
Total																																			0.61	246	
Daily Min								9.9	0.28		9.5	0.45																							0.00	6	
Daily Max								11.1	19.97		11.6	9.53																									
Wkly Avg Max																																					
Monthly Avg								10.6	6.76		10.7	4.13																							0.02	8.2	

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
6/1/2023		0.0		0.0		0.0		0.0		0.0		0.0		0.000
6/2/2023		0.0		0.0		0.0	0.805	0.2		0.0		0.0		0.805
6/3/2023		0.0		0.0	0.415	0.1		0.0		0.0		0.0		0.415
6/4/2023		0.0		0.0	0.505	0.1		0.0		0.0		0.0		0.505
6/5/2023		0.0		0.0	0.588	0.1	0.295	0.1		0.0		0.0		0.883
6/6/2023		0.0		0.0	0.748	0.1	0.374	0.1		0.0		0.0		1.122
6/7/2023		0.0		0.0	0.469	0.1	0.938	0.2		0.0		0.0		1.407
6/8/2023		0.0		0.0	0.599	0.1	0.598	0.1		0.0		0.0		1.197
6/9/2023		0.0		0.0	0.958	0.1		0.0		0.0		0.0		0.958
6/10/2023		0.0		0.0	0.410	0.1	0.410	0.1		0.0		0.0		0.820
6/11/2023		0.0		0.0	0.865	0.1		0.0		0.0		0.0		0.865
6/12/2023		0.0		0.0	0.614	0.1	0.617	0.1		0.0		0.0		1.231
6/13/2023		0.0		0.0	1.210	0.2	0.403	0.1		0.0		0.0		1.613
6/14/2023		0.0		0.0	1.487	0.2	0.372	0.1		0.0		0.0		1.859
6/15/2023		0.0		0.0	1.610	0.2	0.402	0.1		0.0		0.0		2.012
6/16/2023		0.0		0.0	0.595	0.1	0.595	0.1		0.0		0.0		1.190
6/17/2023		0.0		0.0	0.650	0.1		0.0		0.0		0.0		0.650
6/18/2023		0.0		0.0	0.556	0.1		0.0		0.0		0.0		0.556
6/19/2023		0.0		0.0	0.913	0.1		0.0		0.0		0.0		0.913
6/20/2023		0.0		0.0	1.081	0.1		0.0		0.0		0.0		1.081
6/21/2023		0.0		0.0	0.910	0.1	0.455	0.1		0.0		0.0		1.365
6/22/2023		0.0		0.0	1.095	0.1	0.365	0.1		0.0		0.0		1.460
6/23/2023		0.0		0.0	0.508	0.1	0.508	0.1		0.0		0.0		1.015
6/24/2023		0.0		0.0	0.710	0.1		0.0		0.0		0.0		0.710
6/25/2023		0.0		0.0	0.601	0.1		0.0		0.0		0.0		0.601
6/26/2023		0.0		0.0	0.457	0.1	0.914	0.2		0.0		0.0		1.371
6/27/2023		0.0		0.0	1.154	0.2	0.769	0.2		0.0		0.0		1.923
6/28/2023		0.0		0.0	1.868	0.3		0.0		0.0		0.0		1.868
6/29/2023		0.0		0.0	1.147	0.2	0.573	0.1		0.0		0.0		1.720
6/30/2023		0.0		0.0	1.158	0.2		0.0		0.0		0.0		1.158
		0.0				0.0		0.0				0.0		0.000
TOTAL	0.000	0.0	0.000	0.0	23.880	3.3	9.393	2.0	0.000	0.0	0.000	0.0	0.000	33.273
MAX	0.000	0.0	0.000	0.0	1.868	0.3	0.938	0.2	0.000	0.0	0.000	0.0	0.000	2.012
MIN	0.000	0.0	0.000	0.0	0.410	0.0	0.295	0.0	0.000	0.0	0.000	0.0	0.000	0.000
AVG	#DIV/0!	0.0	#DIV/0!	0.0	0.853	0.1	0.553	0.1	#DIV/0!	0.0	#DIV/0!	0.0	#DIV/0!	1.109
PERMIT #	101514													
FILE #	57613													