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**	11/2023
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
Treatment System Class	3	**Principal Operator**	Seth Kelly	**Cert. #/Grade**	14110/III

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.

WS005

Legally Authorized Signature

Seth Kelly

Date Name

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	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
		ºC	SU	MGD	mg/L	lbs		mg/L	lbs	ºC	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	ºC					
W	1	18.8	6.6	0.689	159	914		147	845	15.1	7.5	1.331	11.47													40	2.00	0.00				6	167	7.1				River Discharge started 1200	1
Th	2	18.4	6.8	1.035	138	1191		108	932	15.6	7.5	2.476	11.35	6	96	124	2	98	41							44	0.99	0.00	<1			19	521	9.2					2
F	3	18.9	6.7	0.834						15.7	7.6	2.440	11.50													33	1.00	0.00				25	707	10.0					3
Sa	4		6.5	2.003						16.3	8.2	2.400	11.29													87	0.97	0.00				41	1120	11.1					4
Su	5		6.4	1.626						16.3	8.2	2.540	10.92													27	0.90	0.00				73	1930	9.6					5
M	6	17.4	6.3	1.883						16.0	7.4	2.423	9.96													25	0.75	0.00	<1			80	1930	9.6					6
T	7	17.4	6.7	1.734	74	1070		57	824	15.7	7.3	2.428	10.33	10	86	202	2	96	40				14.40			21	0.84	0.00				106	2650	9.1					7
W	8	17.7	6.5	1.346	99	1111		69	775	15.5	7.3	2.397	9.95	10	90	200	1	99	20							22	0.80	0.00				82	1970	8.3					8
Th	9	17.6	6.7	1.169						13.8	7.3	2.405	10.32													21	0.61	0.00				53	1320	7.0					9
F	10		6.7	1.143						13.8	7.3	2.392	10.21													27	0.80	0.00				43	1050	7.9					10
Sa	11		6.6	1.154						13.4	7.3	2.370	10.38													21	0.76	0.00				35	883	8.9					11
Su	12		6.6	1.177						13.4	7.1	2.363	10.17													25	0.87	0.00				37	919	8.3					12
M	13	17.0	6.7	1.412						13.4	7.3	2.379	10.35													22	0.66	0.00	<1			35	873	8.8					13
T	14	17.1	6.9	1.156	83	800		55	530	13.3	7.3	2.347	9.89	8	90	157	2	97	33							25	0.75	0.00				34	820	7.8					14
W	15	17.2	6.8	1.031	121	1040		90	774	13.3	7.2	2.374	10.31	7	94	139	2	98	40							21	0.70	0.00				30	738	8.4					15
Th	16	17.3	6.9	0.903						13.2	7.0	2.344	10.05													22	0.69	0.00				27	660	9.0					16
F	17	17.1	6.6	0.847						13.0	7.3	2.369	10.36													23	0.70	0.00				24	589	7.7					17
Sa	18		6.6	0.899						12.8	7.3	2.354	10.27													20	0.59	0.00				22	543	7.1					18
Su	19		6.5	1.048						12.4	7.3	2.345	10.47													17	0.63	0.00				27	678	8.0					19
M	20	17.1	6.8	0.900	251	1884		193	1446	11.9	7.3	2.340	10.75	8	97	156	2	99	45							15	0.45	0.00	<1			26	681	6.2					20
T	21	16.6	6.6	0.862	149	1071		125	899	11.7	7.3	2.036	10.49	6	96	102	2	98	34							19	0.59	0.00				24	621	6.0					21
W	22	16.3	6.9	1.112						11.8	7.3	1.905	10.78													17	0.64	0.00				24	624	7.9					22
Th	23		6.8	1.018						11.7	7.3	1.869	10.65													14	0.42	0.00				25	634	7.8					23
F	24		6.8	0.893						11.0	7.3	1.891	11.00													12	0.39	0.00				22	589	5.4					24
Sa	25		6.8	0.838						10.5	7.3	1.864	10.93													12	0.42	0.00				21	551	4.0					25
Su	26		6.9	0.822						10.0	7.4	1.902	11.23													13	0.45	0.00				19	512	3.4					26
M	27	16.5	7.5	0.747						9.5	7.3	1.880	11.40													12	0.47	0.00	<1			17	476	6.5					27
T	28	16.0	6.6	0.709	183	1082		334	1975	9.0	7.3	1.889	11.39	6	97	95	2	99	32							14	0.51	0.00				16	445	6.9					28
W	29	16.4	6.5	0.675	168	946		191	1075	8.6	7.2	1.872	11.54	5	97	78	1	99	19		19.6					14	0.52	0.00				15	418	3.0					29
Th	30	15.7	7.5	0.718						8.3	7.3	1.884	11.54								20.5					15	0.48	0.00				14	404	4.1					30
																																0							31
Total				32.383		11110			10074			65.809				1252			304							700													
Daily Min		15.7	6.3	0.675	74	800		55	530	8.3	7.0	1.331	9.89	5	86	78	1	96	19		19.6					12	0.39	0.00	<1			7	167	3.0					
Daily Max		18.9	7.5	2.003	251	1884		334	1975	16.3	8.2	2.540	11.54	10	97	202	2	99	45		20.5					87	2.00	0.00	<1			95	2650	11.1					
Wkly Avg											8.2			9		178	2		41													0	2650	11.1					
Mo Avg		17.1	6.7	1.079	143	1111		137	1007	12.9	7.4	2.194	10.71	7	95	139	2	99	34		20.1		14.40			23	0.71	0.00	<1			33	867	7.5					
Daily Limits											6.0-9.0					800			480		25.9							0.18	406										
Wkly Limits										18º C				37		600	20		300														>350						
Mo Limits														25	>85%	400	15	>85%	240		16.7							0.07	126										

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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):

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			
W	1							11.6	3.60		11.6	0.89																							0.73	9.0	1
Th	2							11.5	6.05		11.2	2.68																							0.00	9.0	2
F	3							11.6	2.38		10.9	2.04																							0.60	9.0	3
Sa	4																																		0.29	6.0	4
Su	5																																		0.74	6.0	5
M	6							12.4	4.86		10.5	4.18																							0.36	9.0	6
T	7							12.3	4.39		10.5	5.05																							0.10	9.0	7
W	8							12.2	2.80		10.6	4.16																							0.00	9.0	8
Th	9							12.0	1.78		10.7	4.93																							0.19	9.0	9
F	10																																		0.21	6.0	10
Sa	11																																		0.25	6.0	11
Su	12																																		0.34	6.0	12
M	13							11.3	2.78		10.7	4.85																							0.02	9.0	13
T	14							11.2	3.30		10.7	4.37																							0.02	9.0	14
W	15							11.0	3.14		10.6	4.25																							0.02	9.0	15
Th	16							10.9	3.81		10.6	3.75																							0.01	9.0	16
F	17							10.8	4.49		10.5	3.83																							0.00	9.0	17
Sa	18																																		0.33	6.0	18
Su	19																																		0.01	6.0	19
M	20							10.5	5.48		10.0	5.06																							0.00	9.0	20
T	21							10.4	6.06		9.9	5.69																							0.33	9.0	21
W	22							10.3	5.15		9.9	4.49																							0.00	9.0	22
Th	23																																		0.07	6.0	23
F	24																																		0.00	6.0	24
Sa	25																																		0.00	6.0	25
Su	26																																		0.00	6.0	26
M	27							10.2	5.85		9.3	5.60																							0.01	9.0	27
T	28							10.1	5.95		9.2	5.54																							0.01	9.0	28
W	29							10.1	6.31		9.0	5.34																							0.01	9.0	29
Th	30							10.1	5.68		8.8	5.56																							0.42	9.0	30
Total																																			5.07	237.0	
Daily Min								10.1	1.78		8.8	0.89																							0.00	6.0	
Daily Max								12.4	6.31		11.6	5.69																							0.74	9.0	
Wkly Avg Max																																					
Monthly Avg								11.1	4.41		10.3	4.33																							0.17	7.9	

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)