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

WS005

Facility Name	City of Molalla WWTP	**Phone #**	(503) 793-0507	**Month/Year**	11/2024
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

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**	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 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	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					
F	1	18.7		1.068								0.000														0	0.00						0	1650	7.8					1
Sa	2		7.2	1.007								0.000														0	0.00						0	1750	7.7					2
Su	3		7.0	1.014								0.000														0	0.00						0	1380	7.8					3
M	4	18.7	7.3	0.881								0.000														0	0.00						0	1070	7.6					4
T	5	18.5	7.4	0.815						12.2	7.6	1.174	10.64													17	1.22	0.00					31	797	7.2				Flow Meter would not read. Using Eff Plant Flow meter - .020 for side stream flow loss.	5
W	6	18.1	7.4	0.765	139	887		155	989	11.7	7.2	1.867	10.69	6	96	93	1	100	10							22	1.02	0.00	<1				24	616	6.5				Flow meter started to read on the 5th began using DMS flow mter for DMR again.	6
Th	7	18.5	7.3	0.737	228	1401		281	1727	11.5	7.6	1.850	10.91	5	98	77	1	100	15							22	0.73	0.00					19	493	6.2				River Ambient ammonia was 0.003 mg/L	7
F	8	18.7	7.4	0.706						11.5	7.6	1.865	10.89													15	0.63	0.00					16	409	6.5					8
Sa	9		7.1	0.710						11.3	7.4	1.891	10.87													15	0.55	0.00					13	353	7.0					9
Su	10		7.7	0.734						11.4	7.2	1.895	10.63													10	0.38	0.00					12	314	7.7					10
M	11		7.1	0.964						11.3	7.0	1.834	10.51													13	0.42	0.00					14	361	7.7					11
T	12	17.7	7.3	0.962	162	1300		147	1179	11.4	7.4	1.837	10.81	13	92	199	1	99	15							11	0.40	0.00	<1				34	890	7.3				QA/QC fail, Eff BOD sample volume too high	12
W	13	17.8	7.2	1.079	142	1278		155	1395	11.2	7.3	1.845	10.88	9	94	138	1	99	15							11	0.46	0.00					53	1400	7.7					13
Th	14	17.5	7.3	1.173						11.1	7.4	1.785	10.96													10	0.44	0.00					109	2900	7.1					14
F	15	17.4	7.4	1.002						10.9	7.4	2.123	10.88													12	0.54	0.00					78	2060	6.2					15
Sa	16		7.2	0.941						10.5	7.4	2.353	10.82													14	0.47	0.00					51	1330	6.2					16
Su	17		6.8	1.523						10.2	7.8	2.323	10.90													13	0.56	0.00					106	2790	6.2					17
M	18	16.0	7.2	1.642						9.5	7.7	2.165	11.16													12	0.68	0.00					138	3720	5.4				Stopped plant from 0830-1020 DMS flow meter replacement. Making sure scaling is correct using Eff Plant Flow Meter - .020 for side stream flow loss	18
T	19	16.5	7.2	1.456	76	923		85	1032	9.2	7.7	2.375	11.04	10	87	198	2	98	40							19	0.74	0.00	<1				84	2250	6.0				Using Eff Plant Flow Meter - .020 for side stream flow loss	19
W	20	15.8	7.1	1.838	84	1288		68	1042	9.2	7.7	2.329	11.21	8	90	155	3	96	58							18	0.64	0.00					98	2670	6.3				Using Eff Plant Flow Meter - .020 for side stream flow loss	20
Th	21	16.2	7.2	1.393						9.2	7.6	2.335	11.16													14	0.62	0.00					92	2470	6.8				Using Eff Plant Flow Meter - .020 for side stream flow loss	21
F	22	16.0	7.1	1.701						9.6	7.7	1.944	11.05													17	0.61	0.00					104	2790	7.1				Using DMS Flow meter reading for DMR	22
Sa	23		7.2	1.602						9.7	7.7	1.928	11.06													17	0.77	0.00					117	3130	6.2					23
Su	24		7.2	1.388						9.5	7.7	1.932	11.13													16	0.49	0.00					82	2220	6.4					24
M	25	15.8	7.3	1.223	125	1275		99	1010	9.5	7.6	1.939	11.20	11	91	178	2	98	32							16	0.64	0.00	<1				63	1700	6.5					25
T	26	16.1	7.3	1.079	97	873		106	954	9.3	7.6	1.930	11.37	7	93	113	2	98	32		20.7					17	0.59	0.00					50	1370	6.8				River Temp connection lost got data for WTP	26
W	27	16.7	7.2	1.015						9.0	7.6	1.915	11.58													15	0.59	0.00					40	1120	6.0				River Temp connection lost got data for WTP	27
Th	28		7.3	0.955						8.4	7.6	1.914	11.70													12	0.42	0.00					33	943	5.9				River Temp connection lost got data for WTP	28
F	29		7.3	0.892						8.2	7.6	1.917	11.80													12	0.37	0.00					29	814	4.6				River Temp connection lost got data for WTP	29
Sa	30		7.2	0.873						7.9	7.5	2.099	11.56													17	0.57	0.00					26	716	4.3				River Temp connection lost got data for WTP. Daily Print out faled. Data collected from Trends and had inegrator pull data for reprt to confirm. SAK	30
																																	0						
Total				33.138		9224			9329			51.364				1152			219							387													

Daily Min	15.8	6.8	0.706	76	873		68	954	7.9	7.0	0.000	10.51	5	87	77	1	96	10		20.7					0	0.00	0.00	<1				12	314	4.3					
Daily Max	18.7	7.7	1.838	228	1401		281	1727	12.2	7.8	2.375	11.80	13	98	199	3	100	58		20.7					22	1.22	0.00	<1				130	3720	7.8					
Wkly Avg										7.8			11		177	3		49														0	3720	7.8					
Mo Avg	17.2	7.2	1.105	132	1153		137	1166	10.2	7.5	1.712	11.05	9	93	144	2	99	27		20.7					13	0.52	0.00	<1				58	1549	6.6					
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**											

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

WS005

Facility Name	City of Molalla WWTP	**Month/Year**	11/2024	**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	Quantiy 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			
F	1							11.3	5.14		9.7	4.80																							0.08	9.0	1
Sa	2																																		0.14	6.0	2
Su	3																																		0.04	6.0	3
M	4							11.1	3.52		10.7	4.50																							0.02	9.0	4
T	5							11.1	5.90		10.9	5.34																							0.00	9.0	5
W	6							11.1	3.28		10.8	4.59																							0.00	9.0	6
Th	7							11.0	4.55		10.6	3.84																							0.00	9.0	7
F	8							11.0	4.43		10.5	3.34																							0.00	9.0	8
Sa	9																																		0.00	6.0	9
Su	10																																		0.34	6.0	10
M	11																																		0.33	6.0	11
T	12							10.7	5.76		10.0	4.28																							0.23	9.0	12
W	13							10.6	3.08		9.9	4.10																							0.47	9.0	13
Th	14							10.6	5.10		9.9	5.22																							0.11	9.0	14
F	15							10.6	4.62		9.8	5.69																							0.01	9.0	15
Sa	16																																		0.41	6.0	16
Su	17																																		0.54	6.0	17
M	18							10.7	5.00		9.5	5.09																							0.16	9.0	18
T	19							10.5	3.17		9.5	5.23																							0.50	9.0	19
W	20							10.5	5.46		9.6	4.97																							0.07	9.0	20
Th	21							10.4	4.07		9.7	4.42																							0.37	9.0	21
F	22							10.3	5.47		9.8	4.22																							0.27	9.0	22
Sa	23																																		0.02	6.0	23
Su	24																																		0.06	6.0	24
M	25							10.0	0.62		9.8	3.71																							0.00	9.0	25
T	26							9.9	0.36		9.7	3.08																							0.04	9.0	26
W	27							9.8	0.30		9.5	2.84																							0.01	9.0	27
Th	28																																		0.00	6.0	28
F	29																																		0.00	6.0	29
Sa	30																																		0.00	6.0	30
Total																																			4.22	234.0	
Daily Min								9.8	0.30		9.5	2.84																							0.00	6.0	
Daily Max								11.3	5.90		10.9	5.69																							0.54	9.0	
Wkly Avg Max																																					
Monthly Avg								10.6	3.88		10.0	4.40																							0.14	7.8	

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)