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**	04/2025
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**	14555/IV

		INFLUENT							EFFLUENT																			RECEIVING STREAM					DAILY LOG	
					BOD composite			TSS composite					BOD			TSS			NUTRIENTS						DISINFECTION Chlorine			COLIFORM MPN		MPN	MOLALLA RIVER					
Su, M, T, W, Th, F, Sa	Day of Month	Temperature	pH	Flow	Concentration	Loading		Concentration	Loading	Temperature	pH	Flow	DO	Concentration	% Removal	Loading	Concentration	% Removal	Loading	Total Kjeldahl Nitrogen	Ammonia Nitrogen	NO2 + NO3 Nitrogen-N	Alkalinity	Total Phosphorous	OIL & GREASE	Amount Used	Total Residual	Dechlorination (DMS)	E. Coli		Total	Dilution	Stream Flow	Temperature	River Alkalinity			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			
T	1	14.3	6.8	1.372	91	1041		99	1133	13.2	7.5	2.160	10.09	13	86	234	4	96	72							23	0.40	0.00				78	1900	6.0			Grab sample for Eff. pH	1
W	2	14.2	6.8	1.311	134	1465		98	1072	13.2	7.5	2.113	10.05	11	92	194	3	97	53		11.6					23	0.34	0.00				73	1770	6.0			Grab sample for Eff. pH	2
Th	3	14.3	6.8	1.203						13.4	5.5	2.095	10.08													21	0.39	0.00				67	1640	6.6				3
F	4	14.6	6.5	1.128						13.3	6.7	1.972	9.77													17	0.32	0.00				63	1480	7.4				4
Sa	5		6.0	1.083						15.1	5.9	1.935	9.02													17	0.24	0.00				61	1330	8.0				5
Su	6		5.7	1.285						15.1	5.2	1.935	9.01													14	0.21	0.00				58	1260	7.3				6
M	7	14.4	6.5	1.881						14.8	7.2	1.814	9.98													18	0.23	0.00	<1			91	2190	7.5			Grab sample for Eff. pH	7
T	8	14.4	6.5	1.752	97	1417		74	1081	13.6	7.6	1.749	10.36	16	84	233	2	97	29							21	0.38	0.00				106	2650	6.3			Grab sample for Eff. pH	8
W	9	14.4	6.8	1.838						14.8	7.5	1.786	9.98													22	0.25	0.00				138	3330	7.6			Grab sample for Eff. pH	9
Th	10	14.5	7.2	1.743	84	1221		75	1090	15.4	7.5	1.790	9.82				2	97	30							23	0.34	0.00				121	2880	8.0			BOD QAQC failure operator error. Do not report Results per Regulator.	10
F	11	14.5	7.3	1.788						15.1	7.5	1.765	9.75													20	0.35	0.00				116	2730	6.9			Installed and Calibrated new DMS pH probe	11
Sa	12		7.2	1.546						15.0	7.5	1.744	9.96													20	0.28	0.00				95	2300	6.8				12
Su	13		7.3	1.437						15.2	7.4	1.786	9.72													21	0.28	0.00				83	1950	7.4				13
M	14	14.5	7.3	1.344						15.9	7.4	1.747	9.43													23	0.29	0.00	<1			73	1670	7.2			Grab sample for Eff. pH	14
T	15	15.2	7.5	1.255	127	1329		179	1874	17.5	7.0	1.742	9.20	35	72	508	4	98	58							25	0.39	0.00				65	1450	9.3				15
W	16	14.7	7.6	1.157	132	1274		107	1032	17.9	7.0	1.760	8.83	23	83	338	4	96	59							27	0.27	0.00				60	1280	9.3				16
Th	17	15.2	7.6	1.051						17.9	6.9	1.682	8.66													34	0.31	0.00				54	1140	8.5			Temporarily took DAF1 offline for operational cleaning	17
F	18	15.0	7.8	1.040						18.7	7.0	1.613	8.90													40	0.40	0.00				47	1020	9.1			Temporarily took DAF 2 offline for operational cleaning	18
Sa	19		8.2	1.004						18.6	7.0	1.560	8.89													26	0.24	0.00				43	927	9.4				19
Su	20		8.1	1.003						18.2	7.0	1.622	8.98													42	0.35	0.00				39	855	7.8				20
M	21	15.0	7.8	0.917						16.6	7.0	1.293	9.10													40	0.40	0.00	<1			38	830	8.5				21
T	22	14.9	7.8	0.867	158	1142		168	1215	16.2	7.0	1.071	9.12	1	99	9	3	98	27							30	0.33	0.00				35	764	8.1			Slowed flow and better treatment resulted in BOD5 results than expected. All eff samples did not have enough DO change but reported closest results.	22
W	23	15.4	8.0	0.847	184	1300		136	961	16.5	7.1	1.089	8.70	28	85	254	4	97	36							32	0.36	0.00				34	709	9.2			Low Pond levels believed to have created abnormal swing in BOD5 results.	23
Th	24	15.6	8.1	0.911						17.4	7.0	1.058	8.60													34	0.36	0.00				32	662	9.5				24
F	25	16.1	8.1	0.978						17.4	7.0	1.053	8.39													38	0.32	0.00				31	625	10.2				25
Sa	26		8.0	0.923						17.3	6.9	1.054	8.45													51	0.56	0.00				29	602	10.3				26
Su	27		8.0	0.899						17.1	7.0	1.039	8.20													43	0.64	0.00				29	579	8.9				27
M	28	16.1	7.9	0.781						17.3	6.9	0.402	8.17													17	0.40	0.00	4			28	548	10.2			Stopped River Discharge. No possitive cells observed but report 4 due to QA/QC fail (4 sample cells insufficient volume)	28
T	29	15.7	7.8	0.768	168	1076		148	948																							0	537	10.3				29
W	30	16.1	7.7	0.746	187	1163		166	1033																							0	527	10.6				30
																																0						31
Total				35.858		12430			11438			44.429				1771			364							762												

Daily Min	14.2	5.7	0.746	84	1041		74	948	13.2	5.2	0.402	8.17	1	72	9	2	96	27		11.6					14	0.21	0.00	4				27	527	6.0								
Daily Max	16.1	8.2	1.881	187	1465		179	1874	18.7	7.6	2.160	10.36	35	99	508	4	98	72		11.6					51	0.64	0.00	4				133	3330	10.6								
Wkly Avg										7.6			29		423	4		62													0	3330	10.6								
Mo Avg	15.0	7.4	1.195	136	1243		125	1144	16.0	7.0	1.587	9.26	18	87	253	3	97	45		11.6					27	0.34	0.00	4				63	1405	8.3								
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**													

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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

		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:					
								Primary Cell			Secondary Cell																									
Su, M, T, W, Th, F, Sa	Day of Month	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	Rainfall (inches)	Operator(s) Time Onsite (hrs/day)	Day of Month
		Days			SU	°C	mg/L	Feet	mg/L		Feet	mg/L				gal		lbs/gal	gal			SU					gal	hrs	gal	hrs	MGD	acres	in/acre			
T	1							10.2	0.28		6.8	0.32																					0.19	9.0	1
W	2							10.2	3.75		6.6	6.12																					0.00	9.0	2
Th	3							10.2	3.00		6.4	6.17																					0.00	9.0	3
F	4							10.2	1.65		6.1	6.95																					0.00	9.0	4
Sa	5																																0.01	6.0	5
Su	6																																0.27	6.0	6
M	7							10.2	3.16		5.6	7.50																					0.20	8.0	7
T	8							10.4	3.18		5.5	7.74																					0.42	9.0	8
W	9							10.5	1.18		5.4	0.26																					0.00	9.0	9
Th	10							10.7	1.23		5.3	5.75																					0.36	9.0	10
F	11							10.7	2.00		5.4	9.07																					0.00	9.0	11
Sa	12																																0.00	6.0	12
Su	13																																0.00	6.0	13
M	14							10.4	3.36		5.4	12.16																					0.00	8.0	14
T	15							10.3	4.89		5.3	15.82																					0.00	9.0	15
W	16							10.2	6.13		5.2	16.39																					0.00	9.0	16
Th	17							10.1	7.84		5.0	17.47																					0.00	9.0	17
F	18							10.0	5.55		4.8	18.39																					0.00	9.0	18
Sa	19																																0.00	6.0	19
Su	20																																0.01	6.0	20
M	21							9.9	0.41		3.9	13.01																					0.00	8.0	21
T	22							9.9	1.02		3.9	11.39																					0.00	9.0	22
W	23							9.8	4.86		3.8	12.21																					0.00	9.0	23
Th	24							9.8	0.29		3.7	14.89																					0.00	9.0	24
F	25							9.7	6.03		3.6	14.61																					0.00	9.0	25
Sa	26																																0.00	6.0	26
Su	27																																0.00	6.0	27
M	28							9.7	3.07		3.3	7.03																					0.14	8.0	28
T	29							9.7	5.07		3.5	11.20																					0.01	9.0	29
W	30							9.7	0.30		3.7	6.71																					0.00	9.0	30
Total																																	1.61	242.0	
Daily Min								9.7	0.28		3.3	0.26																					0.00	6.0	
Daily Max								10.7	7.84		6.8	18.39																					0.42	9.0	
Wkly Avg Max																																			
Monthly Avg								10.1	3.10		4.9	10.05																					0.05	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)