MOLALLA WASTEWATER TREATMENT PLANT DISCHARGE MONITORING REPORT — RECEIVING WATERS: MOLALLA RIVER — MONTH: March 2009

CITY OF MOLALLA — CLACKAMAS COUNTY OREGON — PERMIT #101514 — FILE #57613 — TREATMENT SYS. CLASS III — REMARKS

POPULATION: 7605 — TREATMENT PROCESS: PRE-AERATED LAGOONS WITH EFFLUENT FILTRATION — COLLECTION SYS. CLASS II

				PLANT INFLUENT				PLANT EFFLUENT @DMS																	
DAY	INF. MGD	EFF. MGD	Molalla River CFS	Temp	pH	BOD mg/L	TSS mg/L	pH	Min DO	Max Temp	NH3	BOD mg/L	BOD % Rem	BOD Disch. lbs	TSS mg/L	TSS % Rem	TSS Disch. Lbs	Chlorine Used lbs	Max Chlorine Hr. Avg	Total Colif	Ecoli	MOL 1400-DO	River 1800 Temp	RAIN inch	
1	1.587																							0.04	
2	1.814			10.8	7.0																	12.5	7.9	0.37	
3	2.060			10.9	7.1	89	107															12.5	7.1	0.20	Plant Start Up. Filling Force Main @ 1630
4	1.841	1.363	1970	12.3	6.9			7.3	10.4	8.5								28	0.01			12.5	7.3	0.01	River Discharge @ 0245.
5	1.644	1.733	1660	11.1	7.0	84	111	7.0	11.0	9.1	10.4	6.7	92	97	3.4	97	49	37	0.02		<1	13.1	6.9	0.10	
6	1.513	1.747	1620	12.1				7.3	11.1	8.8								45	0.01			13.0	6.9	0.00	
7	1.476	1.683	1420						11.1	8.8								35	0.00					0.12	
8	1.538	1.578	1300						11.1	8.5								30	0.00					0.20	
9	1.426	1.156	1170	11.3	7.0			7.3	11.0	8.3								22	0.00			12.7	4.9	0.12	
10	1.315	0.960	1080	11.4	7.1	115	95	7.4	11.1	7.9	10.9	6.7	94	54	3.0	97	24	20	0.00		<1	11.4	4.9	0.01	
11	1.234	0.923	934	11.4	7.2			7.4	11.2	7.6								20	0.00			11.0	5.7	0.00	
12	1.149	0.939	851	11.4	7.2	115	118	7.0	11.2	7.6	10.7	6.9	94	54	3.7	97	29	21	0.00			13.1	5.9	0.00	
13	1.129	0.963	806	12.4	7.4			7.1	11.0	8.0								24	0.01			10.2	6.5	0.01	
14	1.222	0.995	813						10.8	8.5								20	0.00					0.40	
15	1.517	0.976	1140						10.7	8.5								20	0.00					0.30	
16	1.603	0.894	2440	12.0	6.9			7.1	10.8	8.4								21	0.00			11.3	6.3	0.40	
17	1.673	0.864	1950	11.1	6.9	110	123	7.1	10.8	8.5	9.8	6.0	95	43	4.9	96	35	21	0.00		<1	11.2	6.9	0.25	
18	1.534	0.864	1820	11.4	7.0			6.8	10.8	8.8								21	0.00			12.7	7.5	0.00	
19	1.427	0.884	1610	12.5	6.9	119	124	6.8	10.6	9.7	12.0	7.0	95	52	3.5	97	26	22	0.00			11.7	7.2	0.02	
20	1.401	0.864	1580	11.5	6.7			7.0	10.3	10.2								23	0.00			11.3	7.9	0.10	
21	1.360	0.895	1730						10.3	10.5								22	0.00					0.30	
22	1.639	0.913	1700						10.2	10.7								20	0.00					0.42	
23	1.595	0.917	1580	11.4	7.0			6.8	10.1	10.5								22	0.03			11.4	5.8	0.20	
24	1.530	0.908	1480	11.4	6.9	137	107	6.9	10.2	9.8	6.6	5.3	96	40	3.0	97	23	21	0.01		<1	10.8	7.0	0.30	
25	1.923	0.923	1610	11.8	6.9				10.0	10.1								24	0.03			11.7	6.9	0.40	
26	1.830	0.895	2310	11.5	6.8	73	69		10.3	10.0		4.0	95	30	2.3	97	17	23	0.00			13.2	7.1	0.01	
27	1.612	0.858	2010	11.9	7.1			7.3	10.2	10.2	9.1							31	0.01			11.9	7.4	0.09	
28	2.313	0.711	1790						10.0	10.7								29	0.01					0.78	Plant down 1900 Power Outage. Lost
29	2.245		3780																					0.01	main Plant PLC.
30	1.842	0.496	2750	11.5	6.9				10.2	10.1								17	0.01			11.2	6.7	0.10	Plant start. River Discharge@1130
31	1.676	0.994	2190	11.5	7.1	97	82	7.1	10.3	10.1	8.7	4.8	95	40	2.4	97	20	24	0.00		<1	11.1	6.7	0.05	
Total	49.668	27.896																663						5.31	Temperature Audit 3/31/09
MAX	2.313	1.747		12.5	7.4	137	124	7.4			12.0	7.0	96	97	4.9	97	49	45	0.03					0.78	DMS in line Probe - 10.2 C
MIN	1.129	0.496		10.8	6.7	73	69	6.8			6.6	4.0	92	30	2.3	96	17	17	0.00					0.00	NIST thermometer - 10.0 C
AVG	1.602	1.033	1682	11.6	7.0	104	104	7.1	10.6	9.2	9.8	5.9	95	51	3.3	97	28	25	0.01		<1	11.9	6.7	0.17	Molalla River YSI Probe - 6.7 C
PERMIT STAND								6-9			11.5mg/L Mo/Avg	10mg/L Mo/Avg	80% Mo/Avg	160 lbs/day	10mg/L Mo/Avg	80% Mo/Avg	160 lbs/day		0.07mg/L Mo/Avg		126/ 100ml				NIST thermometer - 6.5 C

PRINCIPAL OPERATOR NAME: Otis Phillips — TREATMENT CERTIFICATION # AND GRADE: 10506 LEVEL 4

SIGNATURE: — COLLECTIONS CERTIFICATION # AND GRADE: 7848 LEVEL 1