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Date	Plant Effluent Nutrients				Flow		Weather		Precip
Jan-94	Total P	NH3-N	NO3 + NO2-N	TKN	Portland	Lake Oswego	Temperature		
	mg/l	mg/l	mg/l	mg/l	mgd	mgd	Max o F	Min o F	
1					6.07	7.58	58	44	1.00
2					5.57	6.91	55	44	0.60
3					6.49	8.78	53	48	0.65
4					6.45	7.91	54	45	0.44
5					6.86	8.27	54	43	0.40
6					5.27	6.48	54	37	0.05
7					4.41	5.56	48	33	0.10
8					4.62	5.45	56	33	0.10
9					4.05	4.93	56	47	0.10
10					4.12	4.71	54	42	0.20
11					3.95	4.53	57	42	0.10
12					4.33	4.71	52	48	0.22
13					3.70	4.55	54	48	0.00
14					3.79	4.52	51	42	0.00
15					3.55	4.30	58	42	0.00
16					3.39	4.14	53	38	0.00
17					3.38	4.08	45	34	0.00
18					3.16	3.91	42	38	0.00
19					3.38	3.87	42	35	0.00
20					2.62	3.69	48	34	0.00
21					2.56	3.69	55	34	0.10
22					2.92	4.02	55	43	0.25
23					3.16	4.84	57	43	0.60
24					3.93	5.27	49	37	0.35
25					3.75	5.04	43	36	0.10
26					3.95	4.65	42	37	0.00
27					3.64	4.24	45	38	0.05
28					3.61	4.11	52	36	0.00
29					3.66	4.09	56	31	0.00
30					3.60	3.91	52	32	0.00
31					3.46	3.90	54	38	0.00
Max	0.00	0.00	0.00	0.00	6.86	8.78	58	48	1.00
Min	0.00	0.00	0.00	0.00	2.56	3.69	42	31	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	4.11	5.05	52	39	0.17
Sum					127.40	156.64			5.41

SECONDARY

EFFLUENT

[illegible]

Page 4		PLANT						EFFLUENT					
Date Jan-94	Flow mgd	Susp Sol.			BOD5			Cl2 Cntct Time hrs	Cl2 Feed lbs/day	Cl2 Res mg/l	DO mg/l	pH	Flow to Cl2 Str mgd
		mg/l	lbs	% Rem	mg/l	lbs	% Rem						
1	13.65	18	2049	89	17	1935	85	1.2	150	0.7		7.3	0.00
2	12.47	14	1456	78	14	1456	86	1.3	180	0.7		7.2	0.00
3	15.25	14	1781	82	13	1653	87	1.1	210	0.7		7.3	0.00
4	14.32	24	2866	68	19	2269	81	1.2	200	0.5		7.2	0.00
5	15.11	10	1260	76	10	1260	90	1.1	70	0.7		7.1	0.00
6	11.72	12	1173	91	11	1075	92	1.4	210	0.6	8.1	7.1	0.00
7	9.95	8	664	96	10	830	95	1.7	200	0.7	7.5	7.3	0.00
8	10.07	12	1008	93	12	1008	93	1.7	210	0.8	7.6	7.3	0.00
9	8.96	6	449	96	13	972	93	1.9	80	0.4	8.7	7.3	0.00
10	8.82	7	515	96	11	809	93	1.9	50	0.5	7.0	7.3	0.00
11	8.46	6	423	96	11	776	90	2.0	50	0.4	6.9	7.3	0.00
12	9.01	7	526	96	14	1052	90	1.9	50	0.4		7.3	0.00
13	8.23	9	618	94	14	962	90	2.0	50	0.7	7.5	7.3	0.00
14	8.30	12	831	93	10	692	94	2.0	60	0.5	7.3	7.4	0.00
15	7.85	8	524	95	5	327	96	2.1	30	0.4	7.6	7.3	0.00
16	7.52	12	753	93	10	627	94	2.2	50	0.5		7.4	0.00
17	7.44	11	683	95	10	621	94	2.3	50	0.6	6.8	7.3	0.00
18	7.06	10	589	94	8	471	95	2.4	100	0.6	7.9	7.4	0.00
19	7.23	15	905	93	10	603	95	2.3	50	0.6	7.4	7.4	0.00
20	6.29	5	262	96	10	524	94	2.7	50	0.5		7.5	0.00
21	6.23	10	520	96	9	468	95	2.7	50	0.5	7.5	7.4	0.00
22	6.94	9	521	95				2.4	40	0.5	7.3	7.5	0.00
23	7.99	9	600	94				2.1	60	0.6	7.3	7.4	0.00
24	9.18	9	689	91	11	842	90	1.8	80	0.6	6.8	7.4	0.00
25	8.77	12	878	88	10	732	90	1.9	60	0.6		7.4	0.00
26	8.58	8	572	93	8	572	93	2.0	50	0.7	6.9	7.4	0.00
27	7.86	11	721	91	9	590	93	2.1	50	0.4		7.4	0.00
28	7.70	8	514	95	9	578	94	2.2	50	0.4	7.7	7.4	0.00
29	7.75	16	1034	92	8	517	96	2.2	50	0.8		7.4	0.00
30	7.49	11	688	94	9	563	95	2.2	50	0.4		7.4	0.00
31	7.34	12	734	94	6	367	97	2.3	50	0.5		7.8	0.00
Max	15.25	24	2866	96	19	2269	97	2.7	210	0.8	8.7	7.8	0.00
Min	6.23	5	262	68	5	327	81	1.1	30	0.4	6.8	7.1	0.00
Avg	9.15	11	865	93	11	867	93	2.0	87	0.6	7.4	7.4	0.00
Sum	283.55		0			0			2690				0.00

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Page 7 SLUDGE PROCESSING												
Date Jan-94	Thickened Primary Sludge				WAS			Gravity Belt			TWAS	
	Flow gal	Tot Sol %	Vol Sol %	Vol Content %	Flow mgd	Susp. mg/l	Sols lbs	Capture %	Filtrate mg/l	Poly lbs	Total Sols. % lbs	Gal Hauled
1	14000				0.000		0				0	0
2	15820				0.051	11888	5074				6.63	5507
3	14720				0.074	15350	9504				5.71	9415
4	15570				0.194	13058	21167				6.20	18801
5	16650				0.111	9540	8829				6.93	13021
6	15980				0.119	12824	12770				6.75	13832
7	16080				0.065	15288	8288				6.00	7506
8	15960				0.000		0				0	0
9	15930				0.043	16160	5817				6.90	6129
10	15800	5.17	4.19	81.0	0.059	15350	7607				6.33	7449
11	15800				0.108	8492	7633				6.37	12718
12	15960				0.106	10000	8853				6.40	11556
13	15640				0.069	12680	7318				6.38	8045
14	15600				0.039	12772	4196				6.81	5708
15	13300				0.000		0				0	0
16	13060	4.95	4.09	82.6	0.048	16670	6712				6.39	5441
17	12640				0.079	17544	11629				6.37	8989
18	12560				0.041	13980	4807				6.10	4731
19	13450				0.039	16730	5390				6.28	5054
20	15020				0.070	15604	9154				6.68	8853
21	14870				0.065	16090	8689				6.74	8893
22	15060				0.000		0				0	0
23	14700	5.79	4.82	83.3	0.045	13130	4950				6.10	5830
24	14650				0.077	17568	11295				5.53	8583
25	14440				0.049	15390	6233				6.30	5806
26	14930				0.068	14590	8255				6.22	8217
27	15600				0.074	8028	4961				6.25	5869
28	15160				0.082	14740	10105				6.48	10166
29	12200				0.000		0				0	0
30	13700				0.041	14550	4962				6.76	5503
31	13590	4.58	3.84	83.9	0.070	14000	8173				6.77	8469
Max	16650	5.79	4.82	83.9	.194	17568	21167	0.00	0		6.93	18801
Min	12200	4.58	3.84	81.0	.000	8028	0	0.00	0		5.53	0
Avg	14788	5.12	4.24	82.7	.061	13924	6851	#DIV/0!	#DIV/0!		6.40	7100
Sum	458440				1.889		212370				220091	413290

MONTHLY REPORT SUMMARY

Jan-94

PRIMARY TREATMENT						ANAEROBIC DIGESTION			
Influent		Effluent		Rem %	Primary	Feed Sludge			
mg/l	lbs/day	mg/l	lbs/day			Flow gal/day	Total Solids %	Volatile Content %	
S S	150	10844	#DIV/0!	#DIV/0!	#DIV/0!				
BOD5	147	10891	#DIV/0!	#DIV/0!	#DIV/0!				
Detent Time hrs		Population Equivalent		Flow mgd	Precip "	14788	5.12	82.7	
3.3		64066		9.16	5.41				
SECONDARY TREATMENT						Detention Time days	Loading lbs VS / ft3 /day		
						24	0.11		
						Secondary			
Influent		Effluent		Rem %	Total Solids %	Volatile Content %	Vol Sol Reduct %		
mg/l	lbs/day	mg/l	lbs/day						
S S	150	10844	11	865	93				
BOD5	147	10891	11	867	93				
F/M	SVI		SRT days	MLSS mg/l					
#DIV/0!	157		5.2	1361					
RAS Flow mgd		CL2 Res mg/l	CL2 Feed lbs/day			Total Solids (TWS) %	Capture %	Filtrate Solids mg/l	
0.56		0.6	87			6.40	#DIV/0!	#DIV/0!	
WAS Flow mgd		Aerator Detention Time hrs		Aerator DO mg/l		Sludge Hauled gal/day lbs /day lbs/mo			
.061		3.8		1.3		Digst	2323	984	30504
						TWS	13332	7115	220571
						Total	15655	8099	251076