

TRYON CREEK PLANT: CITY OF PORTLAND CLACKAMAS COUNTY
PLANT TYPE: ACTIVATED SLUDGE

PERMIT NO. 33409-J (FILE 70735)

POPULATION SERVED: 31000

RECEIVING STREAM: WILLAMETTE RIVER

WASTEWATER TREATMENT PLANT MONITORING REPORT

WASTEWATER TREATMENT PROCESS CONTROL

NUTRIENTS

Date	FLOW		PLANT INFLUENT				PLANT EFFLUENT													ANAEROBIC DIGESTER				AERATION BASIN			Sldg Flow to			PLANT EFFLUENT							
	INF	EFF	pH	BOD mg/l	Sol mg/l	Temp oC	pH	DO mg/l	BOD mg/l	Rem %	Dis lbs	TSS mg/l	Rem %	Dis lbs	CL2 Fed lbs	CL2 Res mg/l	Fec Coli / 100ml	Wk Fec G.M.	Vol. Sol. Red. (%)				Sus			Pre cip *	Off Site mgd	CL2 Str mgd	Total P mg/l	TKN mg/l	NH3 mg/l	NO3+ NO2-N mg/l					
																			70.3 oF	pH	CO2 %	Alk mg/l	Temp oF	SVI	Sol mg/l								DO mg/l				
Jun-94																																					
1	7.87	7.85	6.9	265	169		7.5		15	94	982	4	98	262	130	0.43	22							93	494	1209	1.2	0.05	0.021	0.00							
2	7.08	7.06	7.6	260	228		7.5		19	93	1119	8	96	471	80	0.33	48							93	548	1337	0.8	0.00	0.020	0.00							
3	6.05	6.04	7.7	375	221	16	7.5	7.2	13	97	655	8	96	403	90	0.30	50							92	466	1310	0.8	0.00	0.017	0.00							
4	6.62	6.62	6.8	285	192		7.3		23	92	1270	8	96	442	70	0.40		12						93	586	1234	0.5	0.00	0.000	0.00							
5	6.49	6.48	7.0	230	201	17	7.4	6.7	23	90	1243	128	36	6915	190	0.49	3							93	518	1607	1.2	0.00	0.012	0.00							
6	6.80	6.79	7.6	205	207		7.6		60	71	3395	35	83	1981	130	0.39	15							93	612	1283	1.0	0.20	0.015	0.00							
7	6.25	6.24	7.6	100	32	17	7.5	6.9	23	77	1198	12	63	625	70	0.59	18							94	529	1438	1.0	0.20	0.006	0.00	3.00	19.40	17.40	0.50			
8	5.83	5.81	7.5	180	174		7.5		19	89	920	4	98	194	120	0.46	2							95	458	1333	1.5	0.00	0.021	0.00							
9	5.93	5.91	7.5	180	189	17	7.3	6.3	12	93	591	6	97	296	130	0.32								96	453	1360	1.8	0.00	0.022	0.00							
10	5.82	5.80	7.5	195	185		7.6		13	93	629	4	98	194	90	0.47								97	476	1361	0.5	0.00	0.015	0.00							
11	6.01	6.01	7.4	225	194	17	7.5	7.2	9	96	451	4	98	200	40	0.33		6						98	509	1447	0.6	0.00	0.000	0.00							
12	6.11	6.10	7.4	190	142	18	7.5	6.5	10	95	509	4	97	203	60	0.41								98	569	1414	0.9	0.00	0.010	0.00							
13	6.08	6.07	7.3	165	168	17	7.4	7.0	11	93	556	4	98	202	60	0.13	4800							99	556	1488	1.1	0.25	0.015	0.00							
14	5.84	5.81	7.5	190	188	17	7.5	7.1	12	94	581	7	96	339	40	0.39	58							99	505	1528	0.9	0.25	0.032	0.00	2.60	20.90	6.40	0.34			
15	9.12	9.11	7.6	195	167	17	7.8	7.4	14	93	1064	5	97	380	40	0.26	30							99	434	1494	1.5	0.00	0.011	0.00							
16	5.92	5.91	7.6	195	206		7.5		8	96	394	5	98	246	50	0.25	5							99	394	1659	0.5	0.00	0.012	0.00							
17	6.11	6.09	7.1	245	238		7.4		4	98	203	3	99	152	90	0.50	3							99	366	1615	1.5	0.00	0.017	0.00							
18	5.98	5.98	7.2	295	248		7.4		7	98	349	9	96	449	90	0.56		42						99	366	1414	0.4	0.00	0.000	0.00							
19	5.86	5.85	7.4	205	195		7.3		8	96	390	6	97	293	50	0.36								99	260	1537	0.9	0.00	0.014	0.00							
20	5.55	5.53	7.4	220	202		7.4		5	98	230	4	98	184	50	0.46	10							99	282	1499	0.8	0.00	0.023	0.00							
21	5.47	5.45	7.9	190	181		7.6		5	97	227	4	98	182	90	0.45	2							99	302	1426	2.0	0.00	0.022	0.00	3.20	21.60	15.50	0.27			
22	5.80	5.78	7.4	190	179		7.4		6	97	289	4	98	193	70	0.42	23							99	472	1387	1.0	0.00	0.023	0.00							
23	5.76	5.73	7.4	340	267	17	7.4	7.2	6	98	287	3	99	143	70	0.45	15							99	396	1485	1.8	0.00	0.026	0.00							
24	5.41	5.39	7.6	230	224		7.3		8	97	360	4	98	180	100	0.34	148							99	370	1467	1.1	0.00	0.015	0.00							
25	5.30	5.30	7.3	225	220	17	7.4	7.3	5	98	221	4	98	177	50	0.55		16						99	391	1438	1.5	0.00	0.000	0.00							
26	5.27	5.26	7.4	215	235		7.5		6	97	263	4	98	176	100	0.55								99	363	1497	1.2	0.00	0.006	0.00							
27	4.84	4.82	7.4	215	230	19	7.4	7.0	6	97	241	4	98	161	60	0.54	8							99	342	1495	1.8	0.00	0.019	0.00							
28	4.94	4.92	7.5	245	270	18	7.4	7.1	5	98	205	5	98	205	50	0.48	15							98	359	1443	1.1	0.00	0.021	0.00							
29	4.78	4.76	7.3	295	278	18	7.4	6.7	17	94	674	7	97	278	70	0.47	5							99	385	1526	0.9	0.00	0.025	0.00				19.00	0.42		
30	4.66	4.64	7.5	280	346	18	7.3	7.0	6	98	232	6	98	232	120	0.33	3							99	389	1476	1.6	0.00	0.021	0.00							
1																																					
Max	9.12	9.11	7.9	375	346	19	7.8	7.4	60	98	3395	128	99	6915	190	0.6	4800	42	0.0	40	0	99	612	1659	2.0	0.25	0.032	0.00	3.40	21.60	19.00	0.50					
Min	4.66	4.64	6.8	100	32	16	7.3	6.3	4	71	203	3	36	143	40	0.1	2	6	0.0	39	0	92	260	1209	0.4	0.00	0.000	0.00	2.60	17.50	6.40	0.27					
Avg	5.99	5.97		228	206	17			13	94	658	10	95	545	82	0.4	16	19	####	40	####	97	438	1440	1.1	0.03	0.015	0.00	3.05	19.85	14.70	0.38					
Sum	179.56	179.10												2450													0.95	0.460	0.00								

PLANT EFFLUENT PERMIT STANDARDS: pH 6.0-9.0; Fecal Coli 200/100 CL2 Res. 1.0 (Daily Max)

*Sus Sol 20/ 30 mg/l Sus Sol Discharged 1384/ 2077 lbs

*BOD 20/ 30 mg/l BOD Discharged 1384/ 2077 lbs

*May 1 - October 31 / November 1 - April 30

I certify that I am familiar with the information contained in this report and that to the best of my knowledge such information is true and complete.

Name and Title: Larry K. Erickson
Operations Manager

Signature *Larry K Erickson*

Remarks: (Improvements, Operational Changes, Weed Control Programs, Etc.)

Influent BOD5 is a Blended Sample Sludge Hauled to Columbia Blvd WTP

All Test Data Subject to Variability of Test

Page 1									
Date	Plant Effluent Nutrients				Flow		Weather		Precip
Jun-94	Total P mg/l	NH3-N mg/l	NO3 + NO2-N mg/l	TKN mg/l	Portland mgd	Lake Oswego mgd	Temperature Max o F	Min o F	"
6/1/94	3.40	15.20		17.50	4.14	3.73	80	46	0.05
6/2/94					3.26	3.82	77	48	0.00
6/3/94					2.83	3.22	77	46	0.00
6/4/94					2.89	3.73	79	55	0.00
6/5/94					2.75	3.74	79	53	0.00
6/6/94					2.93	3.87	71	52	0.20
6/7/94	3.00	17.40	0.50	19.40	2.54	3.71	81	49	0.20
6/8/94					2.21	3.62	84	46	0.00
6/9/94					2.44	3.49	87	50	0.00
6/10/94					2.39	3.43	91	53	0.00
6/11/94					2.40	3.61	89	55	0.00
6/12/94					2.41	3.70	79	59	0.00
6/13/94					2.39	3.69	69	52	0.25
6/14/94	2.60	6.40	0.34	20.90	2.51	3.33	71	50	0.25
6/15/94					2.56	6.56	70	50	0.00
6/16/94					2.18	3.74	83	51	0.00
6/17/94					2.23	3.88			0.00
6/18/94					2.39	3.59	82	50	0.00
6/19/94					3.48	2.38	89	46	0.00
6/20/94					1.84	3.71	85	60	0.00
6/21/94	3.20	15.50	0.27	21.60	1.90	3.57	92	52	0.00
6/22/94					2.19	3.61	89	54	0.00
6/23/94					2.42	3.34	80	51	0.00
6/24/94					1.98	3.43	81	50	0.00
6/25/94					1.78	3.52	83	50	0.00
6/26/94					1.67	3.60	68	53	0.00
6/27/94					1.91	2.93	91	52	0.00
6/28/94					2.50	2.44	92	52	0.00
6/29/94		19.00	0.42		2.33	2.45	88	53	0.00
6/30/94					2.16	2.50	89	50	0.00
7/1/94									
Max	3.40	19.00	0.50	21.60	4.14	6.56	92	60	0.25
Min	2.60	6.40	0.27	17.50	1.67	2.38	68	46	0.00
Avg	3.05	14.70	0.38	19.85	2.45	3.53	82	51	0.03
Sum					73.61	105.95			0.95

PRIMARY TREATMENT

INFLUENT									EFFLUENT					
Date Jun-94	Flow mgd	Susp Sol. mg/l lbs		BOD5 mg/l lbs		Pop Equiv	Temp oC	pH	Susp Sol. mg/l lbs		BOD5 mg/l lbs		Det Time hrs	No. Basins On
6/1/94	7.87	169	11097	265	17400	102354		6.9	12	583			2.2	3
6/2/94	7.08	228	13463	260	15352	90307		7.6					2.4	3
6/3/94	6.05	221	11158	375	18934	111376	16	7.7					2.8	3
6/4/94	6.62	192	10600	285	15735	92559		6.8					2.6	3
6/5/94	6.49	201	10879	230	12449	73230	17	7.0					2.6	3
6/6/94	6.80	207	11739	205	11626	68388		7.6					2.5	3
6/7/94	6.25	32	1668	100	5213	30662	17	7.6					2.7	3
6/8/94	5.83	174	8460	180	8752	51482		7.5					2.9	3
6/9/94	5.93	189	9347	180	8902	52365	17	7.5					2.9	3
6/10/94	5.82	185	8980	195	9465	55677		7.5					2.9	3
6/11/94	6.01	194	9724	225	11278	66340	17	7.4					2.8	3
6/12/94	6.11	142	7236	190	9682	56952	18	7.4					2.8	3
6/13/94	6.08	168	8519	165	8367	49216	17	7.3					2.8	3
6/14/94	5.84	188	9157	190	9254	54436	17	7.5					2.9	3
6/15/94	9.12	167	12702	195	14832	87246	17	7.6					1.9	3
6/16/94	5.92	206	10171	195	9628	56634		7.6					2.9	3
6/17/94	6.11	238	12128	245	12485	73439		7.1					2.8	3
6/18/94	5.98	248	12369	295	14713	86545		7.2					2.8	3
6/19/94	5.86	195	9537	205	10026	58975		7.4					2.9	3
6/20/94	5.55	202	9350	220	10183	59901		7.4					3.1	3
6/21/94	5.47	181	8257	190	8668	50987		7.9					3.1	3
6/22/94	5.80	179	8659	190	9191	54063		7.4					2.9	3
6/23/94	5.76	267	12826	340	16333	96077	17	7.4					2.9	3
6/24/94	5.41	224	10107	230	10377	61044		7.6					3.1	3
6/25/94	5.30	220	9724	225	9945	58503	17	7.3					3.2	3
6/26/94	5.27	235	10329	215	9450	55586		7.4					3.2	3
6/27/94	4.84	230	9284	215	8679	51051	19	7.4					3.5	3
6/28/94	4.94	270	11124	245	10094	59376	18	7.5					3.4	3
6/29/94	4.78	278	11083	295	11760	69178	18	7.3					3.5	3
6/30/94	4.66	346	13447	280	10882	64012	18	7.5					3.6	3
7/1/94														
Max	9.12	346	13463	375	18934	111376	19	7.9	12	583	0	0	3.6	3
Min	4.66	32	1668	100	5213	30662	16	6.8	12	583	0	0	1.9	3
Avg	5.99	206	10104	228	11322	66599	17		12	583	####	####	2.9	3
Sum	179.56		303123		339653				583		0			

SECONDARY EFFLUENT

Date	Flow	Susp Sol.		BOD5		FCSS		SBD	RSSS	Ovr-flow	pH	No.
Jun-94	mgd	mg/l	lbs	mg/l	lbs	mg/l	lbs	ft	mg/l	Rate gpd / ft2		Basins On
6/1/94	7.85	7	458	16	1048	2174	33001	9.3		521		2
6/2/94	7.06	33	1943	24	1413	2475	37571	8.8		468		2
6/3/94	6.04	12	604	16	806	1940	29449	5.8		400		2
6/4/94	6.62	12	663	18	994	2655	40303	6.7		439		2
6/5/94	6.48	138	7456	24	1297	2531	38421	9.5		430		2
6/6/94	6.79	82	4640	75	4244	2182	33123	9.0		450		2
6/7/94	6.24	36	1875	35	1823	1717	26064	7.3		414		2
6/8/94	5.81	186	9011	20	969	1964	29814	5.1		385		2
6/9/94	5.91	9	443	16	788	1728	26231	6.5		392		2
6/10/94	5.80	9	436	17	823	1740	26413	5.9		385		2
6/11/94	6.01	8	401	16	802	1679	25487	6.4		399		2
6/12/94	6.10	8	407	14	712	2414	36645	7.2		405		2
6/13/94	6.07	12	607	17	860	1968	29874	8.8		402		2
6/14/94	5.81	11	533	16	775	2316	35157	6.3		385		2
6/15/94	9.11					1643	24941	6.8		604		2
6/16/94	5.91	7	345	6	296	1438	21829	4.5		392		2
6/17/94	6.09	61	3100	30	1524	1615	24516	6.6		404		2
6/18/94	5.98					1721	26125	7.4		397		2
6/19/94	5.85					2177	33047	7.9		388		2
6/20/94	5.53	11	507	6	277	2019	30648	5.3		367		2
6/21/94	5.45	6	273	6	273	1684	25563	5.6		361		2
6/22/94	5.78	7	337	7	337	1612	24470	6.0		383		2
6/23/94	5.73	4	191	6	287	1616	24531	6.5		380		2
6/24/94	5.39	6	270	8	360	1683	25548	7.3		358		2
6/25/94	5.30	8	354	9	398	1742	26444	6.8		352		2
6/26/94	5.26					1979	30041	6.6		349		2
6/27/94	4.82	8	322	14	563	1984	30117	7.4		320		2
6/28/94	4.92	10	410	12	492	1872	28417	6.0		326		2
6/29/94	4.76	9	357	9	357	1782	27051	4.5		315		2
6/30/94	4.64	6	232	8	310	1716	26049	4.3		308		2
7/1/94												
Max	9.11	186	9011	75	4244	2655	40303	9.5	0	604		2
Min	4.64	4	191	6	273	1438	21829	4.3	0	308		2
Avg	5.97	27	1391	17	878	1926	29230	6.7	#DIV/0!	396		2
Sum	179.10		36174		22826							

Page 4											Fecal Coliform Count G Ave									
PLANT EFFLUENT											5	600	30	15	2	2	15			
Date	Flow	Susp Sol.			BOD5			Cl2 Cntct	Cl2	Cl2			DO	pH	Flow to					
Jun-94	mgd	mg/l	lbs	% Rem	mg/l	lbs	% Rem	Time	Feed	Res			mg/l		Cl2 Str					
								hrs	lbs/day	mg/l					mgd					
6/1/94	7.85	4	262	98	15	982	94	2.1	130	0.4	22	12	7.2	7.5	0.00					
6/2/94	7.06	8	471	96	19	1119	93	2.4	80	0.3	48			7.5	0.00					
6/3/94	6.04	8	403	96	13	655	97	2.8	90	0.3	50			7.5	0.00					
6/4/94	6.62	8	442	96	23	1270	92	2.5	70	0.4				7.3	0.00					
6/5/94	6.48	128	6915	36	23	1243	90	2.6	190	0.5	3	6	6.7	7.4	0.00					
6/6/94	6.79	35	1981	83	60	3395	71	2.5	130	0.4	15			7.6	0.00					
6/7/94	6.24	12	625	63	23	1198	77	2.7	70	0.6	18			7.5	0.00					
6/8/94	5.81	4	194	98	19	920	89	2.9	120	0.5	2			7.5	0.00					
6/9/94	5.91	6	296	97	12	591	93	2.8	130	0.3		42	6.3	7.3	0.00					
6/10/94	5.80	4	194	98	13	629	93	2.9	90	0.5				7.6	0.00					
6/11/94	6.01	4	200	98	9	451	96	2.8	40	0.3				7.2	7.5	0.00				
6/12/94	6.10	4	203	97	10	509	95	2.8	60	0.4				6.5	7.5	0.00				
6/13/94	6.07	4	202	98	11	556	93	2.8	60	0.1	4800	16	7.0	7.4	0.00					
6/14/94	5.81	7	339	96	12	581	94	2.9	40	0.4	58			7.1	7.5	0.00				
6/15/94	9.11	5	380	97	14	1064	93	1.8	40	0.3	30			7.4	7.8	0.00				
6/16/94	5.91	5	246	98	8	394	96	2.8	50	0.3	5			7.5	0.00					
6/17/94	6.09	3	152	99	4	203	98	2.8	90	0.5	3	16	7.2	7.4	0.00					
6/18/94	5.98	9	449	96	7	349	98	2.8	90	0.6				7.4	0.00					
6/19/94	5.85	6	293	97	8	390	96	2.9	50	0.4				7.3	0.00					
6/20/94	5.53	4	184	98	5	230	98	3.0	50	0.5	10			7.4	0.00					
6/21/94	5.45	4	182	98	5	227	97	3.1	90	0.5	2	16	7.3	7.6	0.00					
6/22/94	5.78	4	193	98	6	289	97	2.9	70	0.4	23			7.4	0.00					
6/23/94	5.73	3	143	99	6	287	98	2.9	70	0.5	15			7.2	7.4	0.00				
6/24/94	5.39	4	180	98	8	360	97	3.1	100	0.3	148			7.3	0.00					
6/25/94	5.30	4	177	98	5	221	98	3.2	50	0.6		16	7.3	7.4	0.00					
6/26/94	5.26	4	176	98	6	263	97	3.2	100	0.6				7.5	0.00					
6/27/94	4.82	4	161	98	6	241	97	3.5	60	0.5	8			7.0	7.4	0.00				
6/28/94	4.92	5	205	98	5	205	98	3.4	50	0.5	15			7.1	7.4	0.00				
6/29/94	4.76	7	278	97	17	674	94	3.5	70	0.5	5	16	6.7	7.4	0.00					
6/30/94	4.64	6	232	98	6	232	98	3.6	120	0.3	3			7.0	7.3	0.00				
7/1/94																				
Max	9.11	128	6915	99	60	3395	98	3.6	190	0.6	4800.0	41.6	7.4	7.8	0.00					
Min	4.64	3	143	36	4	203	71	1.8	40	0.1	2.0	6.3	6.3	7.3	0.00					
Avg	5.97	10	545	95	13	658	94	2.9	82	0.4	16.0	19.1	7.0		0.00					
Sum	179.10		16357			19731			2450						0.00					

[illegible]

[illegible]

Page 7					SLUDGE PROCESSING									
Date Jun-94	Thickened Primary Sludge				WAS			Gravity Belt			TWAS			Sludge Disp Off Site MGD
	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	
6/1/94	15950				0.045	18620	6988				4.95	6192	15000	0.0210
6/2/94	15990				0.052	13460	5891				5.88	6709	13680	0.0197
6/3/94	15560	5.49	4.50	82.0	0.073	14447	8761				5.97	8275	16620	0.0166
6/4/94	15390				0.000		0					0	0	0.0000
6/5/94	15440				0.069	7430	4286				5.57	5616	12090	0.0121
6/6/94	15490				0.048	6400	2573				5.95	4456	8980	0.0150
6/7/94	14840				0.000		0					0	0	0.0060
6/8/94	15260				0.045	11180	4196				5.68	7106	15000	0.0210
6/9/94	15410				0.072	10933	6523				5.90	7902	16060	0.0221
6/10/94	15690				0.066	11510	6289				6.01	7734	15430	0.0154
6/11/94	16050				0.000		0					0	0	0.0000
6/12/94	15890				0.030	10680	2672				4.24	3536	10000	0.0100
6/13/94	15420	6.31	5.15	81.6	0.086	11387	8205				5.59	6872	14740	0.0147
6/14/94	15780				0.162	9760	13194				6.15	16654	32470	0.0325
6/15/94	16050				0.048	10110	4066				6.15	5663	11040	0.0110
6/16/94	16130				0.000		0					0	0	0.0120
6/17/94	15720				0.096	3700	2959				4.93	7035	17110	0.0171
6/18/94	15260				0.000		0					0	0	0.0000
6/19/94	16130				0.041	11000	3793				5.84	3965	8140	0.0141
6/20/94	16340				0.009	10270	809				5.84	8222	16880	0.0229
6/21/94	16440	6.89	5.68	82.5	0.063	10500	5520				5.49	7321	15990	0.0220
6/22/94	15740				0.073	11810	7228				5.45	7627	16780	0.0228
6/23/94	15260				0.091	8660	6607				5.44	8974	19780	0.0258
6/24/94	14830				0.079	9027	5963				6.56	8316	15200	0.0152
6/25/94	14960				0.000		0					0	0	0.0000
6/26/94	14990				0.000		0					0	0	0.0060
6/27/94	15100	5.40	4.44	82.3	0.070	10272	5990				6.49	6999	12930	0.0189
6/28/94	15060				0.045	12034	4516				5.48	6855	15000	0.0210
6/29/94	15080				0.077	10148	6524				5.57	8599	18510	0.0245
6/30/94	15320				0.059	11750	5773				6.14	7440	14530	0.0205
7/1/94														
Max	16440	6.89	5.68	82.5	.162	18620	13194	0.00	0		6.56	16654	32470	0.032
Min	14830	5.40	4.44	81.6	.000	3700	0	0.00	0		4.24	0	0	0.000
Avg	15552	6.02	4.94	82.1	.050	10656	4311	#DIV/0!	#DIV/0!		5.71	5602	11732	0.015
Sum	466570				1.501		129326					168068	351960	0.460

PRIMARY TREATMENT

PRIMARY TREATMENT								
						Primary		
Influent			Effluent		Rem %	Feed Sludge		
S S	mg/l	lbs/day	mg/l	lbs/day		Flow gal/day	Total Solids %	Volatile Content %
BOD5	206	10104	12	583	94			
			#DIV/O!	#DIV/O!	#DIV/O!	15552	6.02	82.1
	Detent Time hrs		Population Equivalent	Flow mgd	Precip "			
	2.9		66599	5.99	0.95	Detention Time days	Loading lbs VS / ft3 /day	
SECONDARY TREATMENT						23	0.13	
						Secondary		
Influent			Effluent		Rem %	Sludge		
S S	mg/l	lbs/day	mg/l	lbs/day		Total Solids %	Volatile Content %	Vol Sol Reduct %
BOD5	206	10104	10	545	95			
			13	658	94	4.75	57.7	70.3
F/M		SVI	SRT days	MLSS mg/l				
#DIV/O!		438	9.6	1440		Total Solids (TWS) %	Capture %	Filtrate Solids mg/l
	RAS Flow mgd		CL2 Res mg/l	CL2 Feed lbs/day		5.71	#DIV/O!	#DIV/O!
	0.67		0.4	82			Sludge Hauled gal/day lbs /day	lbs/mo
	WAS Flow mgd		Aerator Detention Time hrs	Aerator DO mg/l		Digst	3600	1427
	.050		5.3	1.1		TWS	11732	5584
						Total	15332	7011
								0