Bench Sheets
1985

August
September

179295

CT0025

Flow 228/200
Air Temp. - F° 45°

4.03 - 1.15

Date 9-30 10-1 -85

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°		76°	D.O. = 3.5	76°
pH		6.5	7.4	7.4
~~Turbidity JTU~~		Composite	Composite	Composite
Filtered Wt. Original Wt.	No Sample	1 (25) 298 804 23.9205 22.9751	(10) 298 673 22.9101 22.3471	(50) 93 70 22.3880 23.4695
Ave. Wt.		93 53 73	197 202 200	13 11 12
Ashed Wt. Original Wt.		21 71 23.9205 22.9751	70 543 22.9101 22.3471	1 — 22.3880 23.4695
Ave. Wt.		16 20 18	69 72 70.5	1 0 .5
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.		293 5578	2000 5160	24 457
T.F.S.		72 1371	705 1819	1 19
T.V.S.		221 4207	1295 3341	23 438
		TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.		434 51.1177	865 52.1217	989 50.5816
PPM		257 x4 1028	648 x4 2592	173 x4 692
	P' T.S.S. % Red.	SET SOLIDS — 45 5 40 mg/l	5160 - 457 4703 = 91.1% S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 668	JTU
	B.P. Total Solids # Day	Y Genyn		

Settleable Solids

(50)

I

$20.89\overset{81}{\underline{54}}$ $\quad$ $21.9\overset{584}{\underline{566}}$

27 $\quad$ 18

$22.5 \times 2 = 45$

II

$23.5\overset{4}{\underline{141}}$ $\quad$ $21.8\overset{2}{\underline{320}}$

3 $\quad$ 2

$2.5 \times 2 = 5$

Flow 2332300
Air Temp. - F° 60°

4.03 1.15

Date 9-29/30-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		86°	D.O. = 2.7	86°
pH		6.6	7.5	7.5
Turbidity JTU		Composite (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	Sample line plugged	60 77 21.9308 21.8725	502 570 22.6300 21.3366	27 37 22.2412 23.3024
Ave. Wt.		52 52 52	202 204 203	14 13 13.5
Ashed Wt. Original Wt.		26 42 1.9308 1.8725	72 436 2.6300 1.3366	– – 2.2412 3.3024
Ave. Wt.		18 17 17.5	72 70 71	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.		208 4047	2030 5237	27 525
T.F.S.		70 1362	710 1832	– –
T.V.S.		138 2685	1320 3405	27 525
		TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.		507 52.1218	803 54.4113	997 50.5813
PPM		289 1156	690 2760	184 736
		SET SOLIDS	5237 -525 4712 = 90.0	Overall % Red.
	P' T.S.S. % Red.	18 - 3 15 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 709	
	B.P. Total Solids # Day	Kenyon		

End of Pipe
D.O.
000 hrs.
5.6 mg/L
CaS

$$21.\underset{7}{\underline{4087}}^{94} \qquad 22.\underset{11}{\underline{3838}}^{49}$$

$9 \times 2 = 18$

$$23.5\underset{2}{\underline{107}}^{9} \qquad 22.32\underset{1}{\underline{63}}^{4}$$

$1.5 \times 2 = 3$

Flow 2291000 4.03 1.15 Date 9-28/29-85

Air Temp. - F° 50°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	86°	D.O. = 2.6	86°
pH	8.0	6.7	7.5	7.5
Turbidity JTU	Grab (10)	Composite (25)	Composite (10)	Composite (53)
Filtered Wt. Original Wt.	208 854 23.8123 23.2775	49 52 22.7328 21.1726	371 288 22.7212 21.8124	71 82 22.6159 21.2274
Ave. Wt.	85 79 82	21 26 23.5	159 164 161.5	12 8 10
Ashed Wt. Original Wt.	54 803 3.8123 3.2775	31 30 2.7328 1.1726	73 82 2.7212 1.8124	62 – 2.6159 1.2274
Ave. Wt.	31 28 29.5	3 4 3.5	61 58 59.5	3 0 1.5
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	820 15680	94 1797	1615 4167	20 382
T.F.S.	295 5641	14 268	595 1535	3 57
T.V.S.	525 10039	80 1529	1020 2632	17 325
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	633 50.6177	523 53.5216	860 51.4279	952 50.8763
PPM	456 1824	307 1228	581 2324	189 756
	15680 -1797 13883 : 88.5 P' T.S.S. % Red.	SET SOLIDS 25 7 18 mg/L Kenyon	4167 -382 3785 = 90.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 736	15680 -382 15298 : 97.6
	B.P. Total Solids # Day			

$$22.4\overset{42}{\underline{728}}_{14} \qquad 22.1\overset{68}{\underline{857}}_{11}$$

$12.5 \times 2 = 25$

$$23.4\overset{9}{\underline{715}}_{4} \qquad 22.7\overset{7}{\underline{264}}_{3}$$

$3.5 \times 2 = 7$

Flow 2374800 4.03 1.15 Date 9-27/28-85
Air Temp. - F° 45°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	86°	D.O. = 2.8	86°
pH	8.3	6.5	7.6	7.6
Turbidity JTU	Grab (10)	Composite (24)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	740 86 20.5671 22.5622	401 46 22.2384 21.9826	801 985 21.5641 21.3819	34 34 22.4326 21.7128
	69 64	17 20	160 166	8 6
Ave. Wt.	66.5	18.5	163	7
Ashed Wt. Original Wt.	700 49 0.5671 2.5622	6 31 2.2384 1.9826	700 82 1.5641 1.3819	– – 2.4326 1.7128
	29 27	2 5	59 63	
Ave. Wt.	28	3.5	61	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	665 13160	74 1464	1630 4205	14 277
T.F.S.	280 5541	14 277	610 1574	– –
T.V.S.	385 7619	60 1187	1020 2631	14 277
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	8020 50.7621	526 52.6278	2414 53.1817	536 52.2365
PPM	399 1596	248 992	597 2388	171 684
	13160 -1464 11696 : 88.9	SET SOLIDS	4205 -277 3928 : 93.4	Overall % Red.
	P' T.S.S. % Red.	– 16 3 16 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 670	13160 -277 12883 : 97.9
	B.P. Total Solids # Day	Y Benyon		

$23.27\overset{37}{\underset{8}{\underline{29}}}$ $\qquad$ $21.28\overset{13}{\underset{8}{\underline{05}}}$

$8 \times 2 = 16.$

$21.16\overset{5}{\underset{2}{\underline{83}}}$ $\qquad$ $21.85\overset{8}{\underset{1}{\underline{17}}}$

$1.5 \times 2 = 3$

Flow 2355900 4.03 1.15 Date 9-26/27-85

Air Temp. - F° 45°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	86°	D.O. = 2.4	86°
pH	7.8	6.7	7.4	7.4
Turbidity JTU	Grab	Composite	Composite	Composite
Filtered Wt. Original Wt.	(10) 58 89 23.5138 21.9574	(25) 34 109 23.9512 21.4088	(10) 913 216 22.9752 22.5059	(50) 4 700 22.3890 23.4694
	20 15	22 21	161 157	4 6
Ave. Wt.	17.5	21.5	159	5
Ashed Wt. Original Wt.	– – 3.5138 1.9574	3 9 3.9512 1.4088	810 112 2.9752 2.5059	– – 2.3890 3.4694
		1 1	58 53	
Ave. Wt.	0	1	55.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	175 3449	86 1694	1590 4102	10 197
T.F.S.	– –	4 79	555 1432	– –
T.V.S.	175 3449	82 1615	1035 2670	10 197
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	876 50.7643	757 51.9512	2557 51.1963	336 51.1181
PPM	233 932	245 980	594 2376	155 620
	3449 -1694 1755 = 50.9 P' T.S.S. % Red.	SET SOLIDS 15 – 1 14 mg/L	4102 -197 3905 = 95.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 620	3449 -197 3252 = 94.3
	B.P. Total Solids # Day	Y Genyon		

$$20.8\underline{958}^{65}_{7} \qquad 22.0\underline{405}^{13}_{8}$$

$7.5 \times 2 = 15$

$$23.3\underline{468}^{-}_{0} \qquad 23.92\underline{16}^{7}_{1}$$

$.5 \times 2 = 1$

Flow 2466800 4.03 1.15 Date 9-25/26-85

Air Temp. - F° 51°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	88°	D.O. = 3.2	88°
pH	7.9	6.8	7.6	7.6
Turbidity JTU	Grab	Composite	Composite	Composite
Filtered Wt. / Original Wt.	(10) 359 / 22.3021 794 / 23.2251	(25) 34 / 22.9114 79 / 22.5459	(10) 8041 / 21.7889 607 / 22.3454	(50) 29 / 21.8318 71 / 22.6561
	338 543	20 20	152 153	11 10
Ave. Wt.	440.5	20	152.5	10.5
Ashed Wt. / Original Wt.	249 / 2.3021 485 / 3.2251	23 / 2.9114 66 / 2.5459	951 / 1.7889 514 / 2.3454	22 / 1.8318 — / 2.6561
	228 234	9 7	62 60	4 0
Ave. Wt.	231	8	61	2

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	4405	90851	80	1650	1525	3935	21	433
T.F.S.	2310	47643	32	660	610	1574	4	82
T.V.S.	2095	43208	48	990	915	2361	17	351

	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	7819 / 51.6281	874 / 48.6638	51.0636 / 50.9962	447 / 53.2299
PPM	1538 / 6152	236 / 944	674 / 2696	148 / 592

	90851 - 1650 = 89201 = 98.2 P' T.S.S. % Red.	SET SOLIDS 6 − 0 = 6 mg/L	3935 - 433 = 3502 = 89.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 571	90851 - 433 = 90418 = 99.5
	B.P. Total Solids # Day	T Kenyon		

$$21.9\overset{61}{\underline{558}}_{3} \qquad 22.5\overset{4}{\underline{051}}_{3}$$

$3 \times 2 = 6$

$$22.\overset{-}{8}639 \qquad 22.\overset{-}{2}971$$

0

Flow 2396600
Air Temp. - F° 41°

4.03 1.15

Date 9-24/25-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	87°	D.O. = 3.5	87°
pH	7.8	6.1	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. (10)		(25)	(10)	(50)
Original Wt.	341 243 21.9295 23.9196	43 90 22.0401 20.8947	452 332 22.6291 22.7167	506 23 21.4491 21.7107
	46 47	42 43	161 165	15 16
Ave. Wt.	46.5	42.5	163	15.5
Ashed Wt. Original Wt.	300 8 1.9295 3.9196	6 52 2.0401 0.8947	343 219 2.6291 2.7167	— — 1.4491 1.7107
	5 2	5 5	52 52	
Ave. Wt.	3.5	5	52	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	465 / 9319	170 / 3407	1630 / 4205	31 / 621
T.F.S.	35 / 701	20 / 401	520 / 1342	— / —
T.V.S.	430 / 8618	150 / 3006	1110 / 2863	31 / 621
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	6160	343	52.0065	324
Tare Wt.	50.5815	54.4113	51.9506	51.1173
PPM	345 1380	230 920	559 2236	151 604
	9319 -3407 5912 = 63.4 P' T.S.S. % Red.	SET SOLIDS 36 -17 19 mg/L	4205 -621 3584 = 85.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 573	9319 -621 8698 = 93.3
	B.P. Total Solids # Day	Y Genyon		

$$\begin{array}{r} 95 \\ 21.4077 \\ \hline 18 \end{array} \qquad \begin{array}{r} 40 \\ 21.8722 \\ \hline 18 \end{array}$$

$18 \times 2 = 36$

$$\begin{array}{r} 25 \\ 22.2715 \\ \hline 10 \end{array} \qquad \begin{array}{r} 24 \\ 21.8117 \\ \hline 7 \end{array}$$

$8.5 \times 2 = 17$

Flow 2260300 4.03 1.15 Date 9-23/24-85

Air Temp. - F° 48°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	87°	D.O. = 4.4	87°
pH	7.6	6.0	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Sampler Not ON Grab
Filtered Wt. Original Wt.	(10) 771 3019 / 23.5134 22.2408	(25) 81 65 / 21.3361 22.9745	(10) 983 165 / 22.3817 23.3007	(5) 74 4 / 23.5567 21.4080
	637 611	20 20	166 158	7 4
Ave. Wt.	624	20	162	5.5
Ashed Wt. Original Wt.	241 518 / 3.5134 2.2408	6 54 / 1.3361 2.9745	80 66 / 2.3817 3.3007	— — / 3.5567 1.4080
	107 110	5 9	63 59	
Ave. Wt.	108.5	7	61	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S. *	6240 117755	80 1510	1620 4180	11 208
− T.F.S.	1085 20475	28 528	610 1574	— —
T.V.S.	5155 97280	52 982	1010 2606	11 208
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	2926 / 52.1220	9097 / 53.8859	2533 / 51.1961	802 / 50.7650
PPM	1706 / 6824	238 / 952	572 / 2288	152 / 608
	117755 − 1510 = 116245 = 98.7	SET SOLIDS	4180 − 208 = 3972 = 95.0	Overall % Red.
	P' T.S.S. % Red.	− 11 / 1 = 10 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 597	117755 − 208 = 117547 = 99.8
	B.P. Total Solids # Day	Kenyon		*#3 Machine went down 7¹⁵ - time of collecting wet well sample.

*

$$22.\underset{5}{\overset{24}{\underline{3019}}} \qquad 23.\underset{6}{\overset{9}{\underline{2243}}}$$

$5.5 \times 2 = 11$

$$22.\underset{0}{\overset{-}{\underline{8299}}} \qquad 23.\underset{1}{\overset{6}{\underline{8945}}}$$

$.5 \times 2 = 1$

Flow 2034000 4.03 1.15 Date 9-22/23-85

Air Temp. - F° 65°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	89°	88°	D.O. = 4.0	88°
pH	8.5	6.5	7.7	7.7
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	65 / 22.7128 / 37 ; 71 / 21.8327 / 44	5 / 21.5920 / 5 ; 9 / 21.2752 / 7	6061 / 22.5921 / 140 ; 242 / 21.1095 / 147	96 / 20.2689 / 7 ; 84 / 22.1176 / 8
Ave. Wt.	40.5	6	143.5	7.7
Ashed Wt. Original Wt.	32 / 2.7128 / 4 ; 33 / 1.8327 / 6	— / 1.5920 ; — / 1.2752	82 / 2.5921 / 61 ; 158 / 1.1095 / 63	— / 0.2689 ; — / 2.1176
Ave. Wt.	5	0	62	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	405 / 6865	24 / 407	1435 / 3702	15 / 254
T.F.S.	50 / 848	— / —	620 / 1600	— / —
T.V.S.	355 / 6017	24 / 407	815 / 2102	15 / 254
	(26)	TOTAL SOLIDS (25)	(25)	(26)
Final Wt. Tare Wt.	816 / 52.4523	280 / 53.1079	53.0024 / 52.9508	642 / 50.2473
PPM	293 / 1172	201 / 804	516 / 2064	169 / 676
	6865 - 407 = 6458 : 94.1 P' T.S.S. % Red.	SET SOLIDS 19 - 5 = 14 mg/L	3702 - 254 = 3448 : 93.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 661	6865 - 254 = 6611 : 96.3
	B.P. Total Solids # Day	Y Genyon		

$$22.\underset{10}{\overset{26}{\underline{7716}}} \qquad 22.\underset{9}{\overset{57}{\underline{1848}}}$$

$$9.5 \times 2 = 19$$

$$21.\underset{2}{\overset{6}{\underline{7854}}} \qquad 21.\underset{3}{\overset{4}{\underline{3961}}}$$

$$2.5 \times 2 = 5$$

Flow 1975100
Air Temp. - F° 60°

403 115

Date 9-21/22-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		90° / 89°	D.O. = 3.0	90° / 89°
pH			7.66	7.72
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			333 812 22.7154 21.8716 179 96	9 2 22.3081 21.8313 8 10
Ave. Wt.			138	9
Ashed Wt. Original Wt.			230 54 22.7154 21.8716 76 38	2 6 22.3081 21.8313 1 3
Ave. Wt.				2
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S. T.F.S. T.V.S.			1380 3560	18 148 4 14
		TOTAL SOLIDS		
Final Wt. Tare Wt.			7285 48.6612	336 51.1164
PPM			673 2692	172 688
		SET SOLIDS	3560 - 148 3412 = 95.8	Overall % Red.
	P' T.S.S. % Red.	22 - 12 10 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 670	
	B.P. Total Solids # Day	Hartman		

23 9203 14
11

22.4102 13
11

11

22 0600 5
5

21 7096 101
7

6

Flow 257 0900 4.03 1.15 Date 9-20/21-85
Air Temp. - F° 58°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		75°/89°	D.O. = 3.5	75°/89°
pH			7.37	7.44
Turbidity JTU			COMPOSITE	G.L.R. COMPOSITE
Filtered Wt. Original Wt.			8036 45 21.7888 22.6292	88 92 22.3455 22.5467
Ave. Wt.			148 158 153	33 25 (21) 29 *
Ashed Wt. Original Wt.			451 357 21.7888 22.6292	23.4686 21.4083 22.3455 22.5467
Ave. Wt.			63 65 64	3
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.			1530 3947	58 * 1245
T.F.S.			640 1651	
T.V.S.			890 2296	
		TOTAL SOLIDS		
Final Wt. Tare Wt.			702 51.6273	680 51.9498
PPM			429 1716	182 728
		SET SOLIDS	3947 - 1072 2875 = 72.8	Overall % Red.
D.O. 6.3 mg/L End of Pipe Cal.	P' T.S.S. % Red.	62 - 58 4 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids	
	B.P. Total Solids # Day	Hartman		* Grab [illegible]

S I.	536 21.4498 32		325 21.9205 30
		31	
S II.	30 22.0403 33		69 20.8945 24
		29	
Recheck	708 23.4696 22		110 21.4083 27
		25	

Flow 2326200 4.03 1.15 Date 9-19/20-85
Air Temp. - F° 68°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	88°	D.O. = 3.2	88°
pH	7.7	6.1	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. (10)		(25)	(10)	(50)
Original Wt.	522 297 22.2392 22.8172	5 6 21.7871 20.8941	238 336 22.9102 23.9193	4 4 22.0391 22.7150
	130 125	4 5	136 143	3 4
Ave. Wt.	127.5	4.5	134.5	3.5
Ashed Wt. Original Wt.	483 260 2.2392 2.8172	— — 1.7871 0.8941	161 255 2.9102 3.9193	— - 2.0391 2.7150
	91 88		59 62	
Ave. Wt.	89.5	0	60.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1275 24806	18 350	1395 3599	7 136
T.F.S.	895 17413	— —	605 1561	— —
T.V.S.	380 7393	18 350	790 2038	7 136
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	8162	706	735	325
Tare Wt.	50.7631	51.9506	51.1173	50.6141
PPM	531 2124	200 800	562 2248	184 736
	24806 - 350 = 24456 = 98.6 P' T.S.S. % Red.	SET SOLIDS 7 0 7 mg/L	3599 - 136 = 3463 = 96.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 729	24806 - 136 = 24670 = 99.5
	B.P. Total Solids # Day	Y Genyon		

$21.9283 \overset{6}{\underline{}}$ 3

$22.6295 \overset{9}{\underline{}}$ 4

3.5 X 2 = 7

$\overline{20.2676}$

$\overline{22.0429}$

0

Pipe Sample
6.2 mg/L
D.O.
Cat.

Flow 2348900 4.03 1.15 Date 9-18/19-85

Air Temp. - F° 65°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	86°	D.O.= 2.7	86°
pH	7.8	6.1	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 656 22.8571 / 204 22.7128	(25) 94 21.1172 / 807 22.5786	(10) 891 20.4727 / 812 22.2644	(25) 41 22.6129 / 93 21.8783
	85 / 78	22 / 21	164 / 168	12 / 10
Ave. Wt.	81.5	21.5	166	11
Ashed Wt. Original Wt.	620 2.8571 / 68 2.7128	81 1.1172 / 93 2.5786	88 0.4727 / 709 2.2644	32 2.6129 / 5 1.8783
	49 / 40	9 / 7	61 / 65	3 / 2
Ave. Wt.	44.5	8	63	2.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	815 / 15992	86 / 1688	1660 / 4283	22 / 432
T.F.S.	445 / 8732	32 / 628	430 / 1625	5 / 98
T.V.S.	370 / 7260	54 / 1060	1030 / 2658	17 / 334
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	1109 51.0721	5049 50.4755	2372 55.1783	255 51.2084
PPM	388 1552	294 1176	589 2356	171 684
	15992 - 1688 = 14304 = 89.4 P' T.S.S. % Red.	SET SOLIDS 27 − 13 = 14 mg/L	4283 - 432 = 3851 = 90.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 622	15992 - 432 = 15560 = 97.3
	B.P. Total Solids # Day	Y Kenyon		

$$21.6\underset{15}{\overset{90}{\underline{475}}} \qquad 22.0\underset{12}{\overset{37}{\underline{225}}}$$

$13.5 \times 2 = 27$

$$22.5\underset{7}{\overset{23}{\underline{716}}} \qquad 21.1\underset{6}{\overset{7}{\underline{941}}}$$

$6.5 \times 2 = 13$

Flow 2340700 4.03 1.15 Date 9-17/18-85
Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	86°	D.O. = 2.9	86°
pH	9.3	7.2	7.6	7.6
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 510 140 22.3445 21.4075 65 65	(25) 45 42 21.8721 23.5122 24 20	(10) 468 600 21.8303 22.5439 165 161	(35) 48 80 23.5558 21.4069 10 11
Ave. Wt.	65	22	163	10.5
Ashed Wt. Original Wt.	59 92 2.3445 1.4075 14 17	3 3 1.8721 3.5122 2 1	65 94 1.8303 22.5439 62 55	— — 3.5558 1.4069
Ave. Wt.	15.5	1.5	58.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	650 12700	88 1719	1630 4205	21 410
T.F.S.	155 3029	6 117	585 1509	— —
T.V.S.	495 9671	82 1602	1045 2696	21 410
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	643 53.2291	51.0237 50.9956	695 54.4114	973 50.5809
PPM	352 1408	281 1124	581 2324	164 656
	12700 -1719 = 10981 = 86.5 P' T.S.S. % Red.	SET SOLIDS 24 − 7 = 17 mg/L	4205 -410 = 3795 = 90.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 635	12700 -410 = 12290 = 96.8
	B.P. Total Solids # Day	Kenyon		

$$22.3\overset{97}{\underline{887}}_{10} \qquad 21.\overset{510}{\underline{4496}}_{14}$$

$12 \times 2 = 24$

$$21.2\overset{500}{\underline{497}}_{3} \qquad 22.72\overset{9}{\underline{65}}_{4}$$

$3.5 \times 2 = 7$

Flow 2421300 4.03 1.15 Date 9-7/17-85

Air Temp. · F° 50°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	79°	D.O. = 3.8	79°
pH	8.0	6.7	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 93 607 / 20.8953 21.9568	(25) 925 763 / 21.7859 23.4687	(10) 912 993 / 20.0746 22.3823	(50) 55 13 / 22.7148 22.0406
	40 39	66 76	164 170	7 7
Ave. Wt.	39.5	71	168	7
Ashed Wt. Original Wt.	5 73 / 0.8953 1.9568	94 728 / 1.7859 3.4687	801 77 / 0.0746 2.3823	– – / 2.7148 2.0406
	2 5	35 41	55 54	
Ave. Wt.	3.5	38	54.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	395 7982	284 5739	1680 4334	7 141
T.F.S.	35 707	152 3071	545 1406	– –
T.V.S.	360 7275	132 2668	1135 2928	7 141
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	780 / 51.9506	951 / 50.7632	882 / 53.2290	51.0111 / 50.9953
PPM	274 / 1096	319 / 1276	592 / 2368	158 / 632
	7982 − 5739 = 2243 = 28.1 P' T.S.S. % Red.	SET SOLIDS 18 − 3 = 15 mg/L	4334 − 141 = 4193 = 96.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 625	7982 − 141 = 7841 = 98.2
	B.P. Total Solids # Day	Kenyon		

$$21.92\overset{90}{\underset{10}{\underline{80}}} \qquad 22.30\overset{14}{\underset{8}{\underline{06}}}$$

$9 \times 2 = 18$

$$23.89\overset{4}{\underset{2}{\underline{52}}} \qquad 21.95\overset{8}{\underset{1}{\underline{47}}}$$

$1.5 \times 2 = 3$

Flow 2174500 4.03 1.15 Date 9-15/16-85

Air Temp. - F° 48°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	83°	78°	D.O. = 3.7	78°
pH	7:30 A.M. 1.3 - 8:30 A.M. 9.8	6.0	7.3	7.3
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. / Original Wt.	125 / 22.9090 — 57 / 23.2223	90 / 22.6288 — 7 / 23.3004	329 / 22.8161 — 215 / 22.5045	201 / 23.4198 — 4 / 21.7113
	35 — 34	2 — 3	168 — 170	3 — 1
Ave. Wt.	34.5	2.5	169	2
Ashed Wt. / Original Wt.	104 / 2.9090 — 39 / 3.2223	— / 2.6288 — — / 3.3004	245 / 2.8161 — 122 / 2.5045	— / 3.9198 — — / 1.7113
	14 — 16		84 — 77	
Ave. Wt.	15	0	80.5	0
Solids	PPM — #/day	PPM — #/day	PPM — X 2.58	PPM — #/day
T.S.S.	345 — 6251	10 — 181	1690 — 4360	4 — 72
T.F.S.	150 — 2718	— —	805 — 2077	— —
T.V.S.	195 — 3533	10 — 181	1155 — 2283	4 — 72
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	2246 / 51.1958	300 / 54.4116	7248 / 48.6632	424 / 51.6274
PPM	288 / 1152	184 / 736	676 / 2464	150 / 600
	6251 - 181 = 6070 : 97.1 P' T.S.S. % Red.	SET SOLIDS 3 − 0 = 3 mg/L	4360 - 72 = 4288 : 98.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 596	6251 - 72 = 6179 : 98.8
	B.P. Total Solids # Day	Kenyon		

$$22.2\overset{5}{\underset{2}{\underline{373}}} \qquad\qquad 22.6\overset{50}{\underset{1}{\underline{549}}}$$

$1.5 \times 2 = 3$

$$\overset{-}{22.7815} \qquad\qquad \overset{-}{22.2739}$$

0

Flow 2404000
Air Temp. - F° 47°

4.03 1.15

Date 9-14/15-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	77°	D.O. = 3.9	77°
pH	7.7	6.2	7.3	7.3
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 577 946 22.8499 22.1862	(25) 96 33 21.1874 22.8316	(10) 543 5136 20.2381 23.4977	(50) 42 35 22.7137 22.1629
	78 84	22 17	162 159	5 6
Ave. Wt.	81	19.5	160.5	5.5
Ashed Wt. Original Wt.	531 97 2.8499 2.1862	83 22 1.1874 2.8316	436 5025 0.2381 3.4977	— — 2.7137 2.1629
	32 35	9 6	55 48	
Ave. Wt.	33.5	7.5	51.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	810 16232	78 1563	1605 4141	11 220
T.F.S.	335 6713	30 601	515 1329	— —
T.V.S.	475 9519	48 962	1090 2812	11 220
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	216 49.5108	865 51.2594	5532 52.4935	4063 50.3897
PPM	510 2040	271 1084	597 2388	166 664
	16232 - 1563 = 14669 : 90.4 P' T.S.S. % Red.	SET SOLIDS - 8 1 7 mg/L	4141 - 220 = 3921 : 94.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 653	16232 - 220 = 16012 : 98.6
	B.P. Total Solids # Day	Y Genyon		

$$22.2\underline{493}^{7}_{4} \qquad 22.4\underline{278}^{82}_{4}$$

$4 \times 2 = 8$

$$22.1\underline{671}^{-}_{0} \qquad 22.28\underline{95}^{6}_{1}$$

$.5 \times 2 = 1$

Flow 2315400 4.03 1.15 Date 9-13/14-85

Air Temp. - F° 40°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	78°	D.O. = 4.2	78°
pH	7.8	6.5	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 605 478 22.9478 22.6354 127 124	(25) 35 41 21.8416 22.2369 19 22	(10) 858 277 22.2707 21.6119 151 158	(50) 33 21 22.8627 22.0917 6 4
Ave. Wt.	125.5	20.5	154.5	5
Ashed Wt. Original Wt.	529 404 2.9478 2.6354 51 50	7 73 1.8416 2.2369 1 4	56 73 2.2707 1.6119 49 54	— — 2.8627 2.0917
Ave. Wt.	50.5	2.5	51.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1255 24312	82 1589	1545 3986	10 194
T.F.S.	505 9783	10 194	515 1329	— —
T.V.S.	750 14529	72 1395	1030 2657	10 194
	(25)	TOTAL SOLIDS (26)	(35)	(35)
Final Wt. Tare Wt.	51.0025 50.9476	540 49.7304	3456 50.2875	4127 48.3965
PPM	549 2196	236 944	581 2324	162 648
	24312 -1589 22723 : 93.5 P' T.S.S. % Red.	SET SOLIDS	3986 -194 3792 : 95.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	- 7 0 7 mg/L	Dissolved Solids 638	24312 -194 24118 : 99.2
	B.P. Total Solids # Day	Y Gerwyn		

$21.5\overset{21}{\underset{3}{\underline{918}}}$ $\qquad$ $21.27\overset{5}{\underset{4}{\underline{81}}}$

$3.5 \times 2 : 7$

$22.\overline{7329}$ $\qquad$ $22.\overline{1526}$

0

Flow 2397600 4.03 1.15 Date 9-12/13-85
Air Temp. - F° 38°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	79°	D.O.= 3.8	79°
pH	8.1	6.1	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 739 21.8605 347 22.8219	(25) 28 23.4511 52 22.1738	(10) 339 22.5179 623 22.3466	(50) 306 21.9296 47 21.6489
	134 128	17 14	160 157	10 10
Ave. Wt.	131	15.5	158.5	10
Ashed Wt. Original Wt.	62 1.8605 72 2.8219	4 3.4511 40 2.1738	243 2.5179 525 2.3466	— 1.9296 — 1.6489
	57 53	5 2	64 59	
Ave. Wt.	55	3.5	61.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1310 26252	62 1242	1585 4089	20 401
T.F.S.	550 11022	14 281	615 1587	— —
T.V.S.	760 15230	48 961	970 2502	20 401
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	2490 51.1872	8141 53.7914	900 55.7306	4091 52.3912
PPM	618 (2472)	227 (908)	594 (2376)	179 (716)
	26252 - 1242 = 25010 = 95.3	SET SOLIDS	4089 - 401 = 3688 = 90.2	Overall % Red.
	P' T.S.S. % Red.	6 - 0 = 6 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids (6.96)	26252 - 401 = 25851 = 98.5
	B.P. Total Solids # Day			

Y Genyon

$21.45\underline{34}^{7}$ $\quad$ $20.63\underline{76}^{9}$

3 $\quad$ 3

$3 \times 2 = 6$

$23.\overline{6}944$ $\quad$ $22.\overline{1}253$

0

Flow 2397600 4.03 1.15 Date 9-12/13-85

Air Temp. - F° 38°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	79°	D.O. = 3.8	79°
pH	8.1	6.1	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 739 21.8605 / 347 22.8219	(25) 28 23.4511 / 52 22.1738	(10) 339 22.5179 / 423 22.3466	(50) 306 21.9246 / 47 21.6489
	134 / 128	17 / 14	160 / 157	10 / 10
Ave. Wt.	131	15.5	158.5	10
Ashed Wt. Original Wt.	62 1.8605 / 72 2.8219	6 3.4511 / 40 2.1738	243 2.5179 / 525 2.3466	— 1.9286 / — 1.6489
	57 / 53	5 / 2	64 / 59	
Ave. Wt.	55	3.5	61.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	1310 / 26252	62 / 1242	1585 / 4089	20 / 401
T.F.S.	550 / 11022	14 / 281	615 / 1587	— / —
T.V.S.	760 / 15230	48 / 961	970 / 2502	20 / 401
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	2490 51.1872	8141 53.7914	900 55.7306	4091 52.3912
PPM	618 (2472)	227 (908)	594 (2376)	179 (716)
	26252 - 1242 = 25010 = 95.3	SET SOLIDS	4089 - 401 = 3688 = 90.2	Overall % Red.
	P' T.S.S. % Red.	6 - 0 = 6 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids (6.96)	26252 - 401 = 25851 = 98.5
	B.P. Total Solids # Day	Y Genyon		

$$21.45\underline{34}^{7}_{3} \qquad 20.6\underline{376}^{9}_{3}$$

$3 \times 2 = 6$

$$23.\overline{6}944 \qquad 22.\overline{1}253$$

0

Flow 2542500 4.03 1.15 Date 9-11/12-85

Air Temp. - F° 46°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	83°	D.O. = 4.4	83°
pH	8.1	6.1	7.6	7.6
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	525 200 21.3359 21.4074	86 71 21.4075 23.5562	896 4052 22.9741 22.3891	9 4 20.6375 21.7110
	166 126	11 9	155 161	4 4
Ave. Wt.	146	10	158	4
Ashed Wt. Original Wt.	99 106 1.3359 1.4074	81 8 1.4075 3.5562	807 953 2.9741 2.3891	– – 0.6375 1.7110
	40 32	6 6	66 62	
Ave. Wt.	36	6	64	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1460 30965	40 848	1580 4076	8 170
T.F.S.	360 [illegible]	24	640	–
T.V.S.	[illegible] 23340	16	940	8 170
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	654 49.6028	52.0082 51.9864	6412 50.5813	346 51.1174
PPM	626 2504	218 872	599 2396	172 688
	30965 -848 30117 = 97.3 P' T.S.S. % Red.	SET SOLIDS – 29 13 16 mg/L	4076 -170 3906 = 95.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 680	30965 -170 30795 = 99.5
	B.P. Total Solids # Day	Kenyon		

$$21.9\underset{15}{\overset{85}{\underline{270}}} \qquad\qquad 21.6\underset{13}{\overset{74}{\underline{461}}}$$

$14.5 \times 2 = 29$

$$21.6\underset{6}{\overset{8}{\underline{812}}} \qquad\qquad 22.2\underset{7}{\overset{91}{\underline{684}}}$$

$6.5 \times 2 = 13$

Flow 2457200 4.03 1.15 Date 9-10/11-85

Air Temp. - F° 55°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	87°	D.O. = 3.9	87°
pH	7.9	6.0	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(25)	(10)	(50)
Original Wt.	98 98 22.1326 22.5429	220 714 23.9199 23.4691	714 325 21.9550 22.7153	54 507 22.3449 21.4499
	72 69	21 23	164 172	5 8
Ave. Wt.	70.5	22	168	6.5
Ashed Wt.				
Original Wt.	59 59 2.1326 2.5429	208 705 3.9199 3.4691	610 215 1.9550 2.7153	— — 2.3449 1.4499
	33 30	9 14	60 62	
Ave. Wt.	31.5	11.5	61	0

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	705	14481	88	1808	1680	4334	13	267
T.F.S.	315	6470	46	945	610	1574	—	—
T.V.S.	390	8011	42	863	1070	2760	13	267

	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	727	410	52.0114	165
Tare Wt.	53.2297	50.6149	51.9512	52.4004
PPM	430 1720	261 1044	602 2408	161 644

14481 -1808 12673 = 87.5 P' T.S.S. % Red.	SET SOLIDS — 11 1 10 mg/L	4334 -267 4067 = 93.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
P' JTU % Red.		Dissolved Solids 631	14481 -267 14214 = 98.2
B.P. Total Solids # Day	Kenyon		

$22.38\overset{6}{\underset{4}{\underline{22}}}$ $\qquad$ $22.5\overset{62}{\underset{7}{\underline{455}}}$

$5.5 \times 2 = 11$

$22.81\overset{3}{\underset{1}{\underline{62}}}$ $\qquad$ $22.75\overset{-}{\underset{0}{29}}$

$.5 \times 2 = 1$

Flow 2625400 4.03 1.15 Date 9-9/10-85

Air Temp. - F° 58°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	90°	88°	D.O. = 3.4	88°
pH	7.7	5.9	7.6	7.6
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	226 / 22.7163	89 / 20.0727	4 / 20.8932	94 / 22.0387	868 / 21.8710	696 / 21.4539	3005 / 22.2993	304 / 21.8297
	63	62	4	7	158	157	12	7
Ave. Wt.	62.5		5.5		157.5		9.5	
Ashed Wt. Original Wt.	86 / 2.7163	50 / 0.0727	— / 0.8932	— / 2.0387	72 / 1.8710	99 / 1.4539	6 / 2.2993	300 / 1.8297
	23	23			62	60	3	3
Ave. Wt.	23		0		61		3	
Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	625	13725	22	483	1575	4064	19	417
T.F.S.	230	5051	—	—	610	1574	6	132
T.V.S.	395	8674	22	483	965	2490	13	285
	(25)		TOTAL SOLIDS (25)		(25)		(25)	
Final Wt. Tare Wt.	398 / 52.4013		775 / 51.9519		6367 / 50.5821		457 / 53.2302	
PPM	385 / 1540		256 / 1024		546 / 2184		155 / 620	
	13725 - 483 = 13242 : 96.5		SET SOLIDS		4064 - 417 = 3647 : 89.7		Overall % Red.	
	P' T.S.S. % Red.		12 - 5 = 7 mg/L		S' T.S.S. % Red.		T.S.S.	
	P' JTU % Red.				Dissolved Solids 601		13725 - 417 = 13308 : 97.0	
	B.P. Total Solids # Day		Y Genyon					

$$21.1\overset{13}{\underline{308}}_{5} \qquad\qquad 22.38\overset{9}{\underline{82}}_{7}$$

$$6 \times 2 = 12$$

$$20.45\overset{8}{\underline{86}}_{2} \qquad\qquad 21.32\overset{72}{\underline{69}}_{3}$$

$$2.3 \times 2 = 5$$

Flow 2142600 403 1.15

Air Temp. - F° 63°

Date 9-8/9-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	87°	D.O. = 3.4	87°
pH	7.7	6.1	7.5	7.5
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Grab (5)
Filtered Wt. Original Wt.	631 461 23.7455 22.2290 176 171	34 29 21.8015 22.8207 19 22	869 880 23.6711 22.1718 158 162	89 82 22.6377 22.4166 12 16
Ave. Wt.	173.5	20.5	160	14
Ashed Wt. Original Wt.	524 354 3.7455 2.2290 69 64	24 17 1.8015 2.8207 9 10	66 75 3.6711 2.1718 55 57	82 73 2.6377 2.4166 5 7
Ave. Wt.	66.5	9.5	56	6
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	1735 / 31003	82 / 1465	1600 / 4128	28 / 500
T.F.S.	665 / 11883	38 / 679	560 / 1445	12 / 214
T.V.S.	1070 / 19120	44 / 786	1040 / 2683	16 / 286
	(26)	TOTAL SOLIDS (25)	(25)	(26)
Final Wt. Tare Wt.	2316 52.1632	494 55.7205	54.0426 53.9812	980 51.1783
PPM	684 2736	289 1156	614 2456	197 788
	31003 - 1465 = 29538 : 95.3 P' T.S.S. % Red.	SET SOLIDS 30 − 25 = 5 mg/L	4128 - 500 = 3628 : 87.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 760	31003 - 500 = 30503 : 98.4
	B.P. Total Solids # Day	Y Kenyon		

$$\begin{array}{r} 48 \\ 22.6\underline{832} \\ 16 \end{array} \qquad \begin{array}{r} 808 \\ 21.1\underline{794} \\ 14 \end{array}$$

$15 \times 2 = 30$

$$\begin{array}{r} 632 \\ 21.\underline{7619} \\ 13 \end{array} \qquad \begin{array}{r} 410 \\ 22.7\underline{398} \\ 12 \end{array}$$

$12.5 \times 2 = 25$

Flow
Air Temp. - F° 70° HUMID

Date 7-7/8

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		78° / 67°	D.O. =	75°/69°
pH			7.26	7.59
Turbidity JTU				
Filtered Wt. Original Wt.				
Ave. Wt.				
Ashed Wt. Original Wt.			208 137	8 43
Ave. Wt.			61 69 65	6 5 5.5

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.					1726		34	
T.F.S.					650	1677	11	208
T.V.S.					1070	2761	15	283

		TOTAL SOLIDS		
Final Wt. Tare Wt.			845 52.1228	49.6030
PPM			617 2465	165 752
		SET SOLIDS		Overall % Red.
	P' T.S.S. % Red.	32 - 24 8 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids	
	B.P. Total Solids # Day	Hartman		

[illegible] 21 [illegible] 19 | 55 21 [illegible] 13

16

[illegible] 21 [illegible] 11 | 20 21 [illegible] 13

[illegible]

Flow [illegible]
Air Temp. - F° [illegible]

Date [illegible]

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		[illegible]	D.O. =	96° / 90°
pH			[illegible]	[illegible]
Turbidity JTU			Composite	Composite
Filtered Wt. Original Wt.			[illegible] 23.9193	22.3426 21.7089
Ave. Wt.				
Ashed Wt. Original Wt.			[illegible] 241 20.1356 23.9193	[illegible] 22.3426 21.7089
Ave. Wt.			[illegible]	[illegible]
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S. T.F.S. T.V.S.			[illegible] [illegible] [illegible]	22 12 10
		TOTAL SOLIDS		
Final Wt. Tare Wt.			[illegible] 51.6271	[illegible] 53.7947
PPM			[illegible] [illegible]	[illegible]
		SET SOLIDS	[illegible]	Overall % Red.
	P' T.S.S. % Red.	26 -22 4 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids [illegible]	
	B.P. Total Solids # Day	[illegible]		

Flow 2382200 4.03 1.15 Date 9-5/6-85
Air Temp. - F° 77°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	86°	D.O. = 3.8	86°
pH	8.1	6.4	7.6	7.6
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. / Original Wt.	524 / 76 22.5443 / 22.5410	4 / 73 21.4521 / 23.6668	831 / 647 23.4673 / 21.4485	62 / 91 21.4058 / 21.8688
	81 / 56	3 / 5	158 / 162	4 / 3
Ave. Wt.	68.5	4	160	3.5
Ashed Wt. / Original Wt.	74 / 48 2.5443 / 2.5410	— / — 1.4521 / 3.6668	737 / 550 3.4673 / 1.4485	— / — 1.4058 / 1.8688
	31 / 38		64 / 65	
Ave. Wt.	34.5	0	64.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	685 / 13613	16 / 318	1600 / 4128	7 / 139
T.F.S.	345 / 6856	— / —	645 / 1664	— / —
T.V.S.	340 / 6757	16 / 318	955 / 2464	7 / 139
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	436 51.6289	403 52.1230	612 49.6038	8097 53.7966
PPM	347 1388	173 692	574 2296	131 524
	13613 -318 13295 = 97.7 P' T.S.S. % Red.	SET SOLIDS 5 - 0 5 mg/L	4128 -139 3989 = 96.6 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 517	13613 -139 13474 = 99.0
	B.P. Total Solids # Day	Kenyon		

$21.7\underset{3}{\underline{094}}^{7}$ $22.3\underset{2}{\underline{809}}^{11}$

$2.5 \times 2 = 5$

$21.\overline{2476}$ $23.\overline{5971}$

0

Flow 2471600 4.03 1.15 Date 9-4/5-85
Air Temp. - F° 75°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	84°	D.O. = 3.8	84°
pH	8.1	6.6	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. / Original Wt.	805 89 21.2718 22.9306 87 83	26 53 21.8515 21.2844 11 9	808 770 23.8672 22.1629 136 141	26 35 22.4817 22.1028 9 7
Ave. Wt.	85	10	138.5	8
Ashed Wt. / Original Wt.	47 31 1.2718 2.9306 29 25	8 5 1.8515 1.2844 3 1	743 708 3.8672 2.1629 71 79	— — 2.4817 2.1028
Ave. Wt.	27	2	75	0

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	850	17531	40	825	1385	3573	16	330
T.F.S.	270	5569	8	165	750	1935	—	—
T.V.S.	580	11962	32	660	635	1638	16	330

		TOTAL SOLIDS		
Final Wt. / Tare Wt.	7409 51.6922	2223 50.1964	778 50.7271	261 52.8115
PPM	487 1948	259 1036	507 2028	146 584

	17531 -825 16706 = 95.3 P' T.S.S. % Red.	SET SOLIDS 14 − 3 8 mg/L	3573 -330 3243 = 90.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 568	17531 -330 17201 = 98.2
	B.P. Total Solids # Day	Kenyon		

$$21.46\overset{64}{\underline{57}}_{7} \qquad 23.18\overset{80}{\underline{76}}_{4}$$

5.5 X2=11

$$22.24\overset{80}{\underline{79}}_{1} \qquad 22.68\overset{6}{\underline{14}}_{2}$$

1.2 X2=3

Flow 2441800 403 1.15 Date 9 - 3/4 - 85

Air Temp. - F° 67°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	84°	D.O. = 4.9	84°
pH	8.8	7.8	7.6	7.6
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (30)
Filtered Wt. Original Wt.	680 540 21.4492 20.6346 188 194	3014 50 22.2995 22.3431 19 19	689 374 23.5552 22.7231 137 143	37 67 22.7124 21.4054 13 13
Ave. Wt.	191	19	140	13
Ashed Wt. Original Wt.	594 453 1.4492 0.6346 102 107	6 — 2.2995 2.3431 1 0	602 81 3.5552 2.7231 50 50	— 2.7124 1.4054
Ave. Wt.	104.5	.5	50	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1910 38914	76 1548	1400 3612	26 530
T.F.S.	1045 21290	2 41	500 1290	— —
T.V.S.	869 17624	74 1507	901 2322	26 530
	(25)	TOTAL SOLIDS (25)	(30)	(30)
Final Wt. Tare Wt.	6524 50.5822	497 51.6287	731 52.1230	51.0103 50.9967
PPM	702 2808	210 840	501 2004	136 544
	38914 -1548 37366 = 96.0 P' T.S.S. % Red.	SET SOLIDS 13 — 7 6 mg/L	3612 -530 3082 = 85.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 518	38914 -530 38384 = 98.6
	B.P. Total Solids # Day	Kenyon		

$$23.91\overset{9}{\underset{6}{\underline{83}}}$$

$$21.33\overset{9}{\underset{7}{\underline{42}}}$$

$6.5 \times 2 = 13$

$$22.36\overset{52}{\underset{3}{\underline{49}}}$$

$$20.76\overset{32}{\underset{4}{\underline{28}}}$$

$3.5 \times 2 = 7$

Flow
Air Temp. - F°

Date 8-31-85 9-1 9-½ 9-2/3-85

Mill Starting

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°			D.O. =	
pH				
Turbidity JTU				
Filtered Wt. Original Wt.		Mill	Down	
Ave. Wt.				
Ashed Wt. Original Wt.				
Ave. Wt.				
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S. T.F.S. T.V.S.				
		TOTAL SOLIDS		
Final Wt. Tare Wt.				
PPM				
		SET SOLIDS		Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
		mg/L	Dissolved Solids	
	P' JTU % Red.			
	B.P. Total Solids # Day			

Sat

Flow 2688700 4.03 1.15 Date 8-30/31-85

Air Temp. - F° 54°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		83°	D.O. = 3.9	82°
pH	*Machines all down - no sample	6.1	7.4	7.4
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	22.8427 21.5811	65 45 22.1138 21.5209 27 36	287 327 22.9146 21.7192 141 135	33 92 23.3219 23.4881 14 11
Ave. Wt.		31.5	138	12.5
Ashed Wt. Original Wt.	2.8427 1.5811	55 32 2.1138 1.5209 17 23	94 234 2.9146 1.7192 48 42	26 6 3.3219 3.4881 7 5
Ave. Wt.		20	45	6
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.		126 2830	1380 3560	25 562
T.F.S.		80 1797	450 1161	12 270
T.V.S.		46 1033	930 2399	13 292
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	50.4789	914 51.8615	753 53.7214	951 50.7624
PPM		299 1196	539 2156	327 1308
	P' T.S.S. % Red.	SET SOLIDS 50 - 28 22 mg/L	3560 - 562 2998 = 84.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 1283	
	B.P. Total Solids # Day	Kenyon		*All 3 paper machines down early this mon

$$22.81\frac{\overset{70}{47}}{23}$$

$$22.9\frac{\overset{45}{618}}{27}$$

$25 \times 2 = 50$

$$23.15\frac{\overset{81}{65}}{16}$$

$$22.67\frac{\overset{31}{19}}{12}$$

$14 \times 2 = 28$

Flow 2525300 4.03 1.15 Date 8-29/30-85

Air Temp. - F° 67°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	83°	88°	D.O. = 3.2	86°
pH	7.8	5.4	7.3	7.5
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. / Original Wt.	971 / 23.6887 / 84; 700 / 21.5614 / 86	37 / 22.9108 / 29; 61 / 22.1227 / 34	299 / 21.9162 / 137; 402 / 23.1271 / 131	8 / 22.2370 / 8; 6 / 21.8690 / 6
Ave. Wt.	85	31.5	134	7
Ashed Wt. / Original Wt.	915 / 3.6887 / 28; 45 / 1.5614 / 31	28 / 2.9108 / 20; 51 / 2.1227 / 24	209 / 1.9162 / 47; 311 / 3.1271 / 40	3 / 2.2370 / 3; 2 / 1.8690 / 2
Ave. Wt.	29.5	22	43.5	2.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	850 / 17957	126 / 2661	1340 / 3457	14 / 296
T.F.S.	295 / 6232	88 / 1859	435 / 1122	5 / 106
T.V.S.	555 / 11725	38 / 802	905 / 2335	9 / 190
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	5152 / 53.4680	648 / 51.7361	785 / 52.6229	368 / 49.6017
PPM	472 / 1888	287 / 1148	556 / 2224	351 / 1404
	17957 - 2661 = 15296 = 85.2 P' T.S.S. % Red.	SET SOLIDS 25 - 15 = 10 mg/L	3457 - 296 = 3161 = 91.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 1390	17957 - 296 = 17661 = 98.4
	B.P. Total Solids # Day	Kenyon		

see outfall 5.8 mg/L

$$\begin{array}{r} 36 \\ 21.6\underline{022} \\ 14 \end{array} \qquad \begin{array}{r} 39 \\ 22.9\underline{328} \\ 11 \end{array}$$

$12.5 \times 2 = 25$

$$\begin{array}{r} 53 \\ 22.8\underline{644} \\ 9 \end{array} \qquad \begin{array}{r} 8 \\ 22.7\underline{312} \\ 6 \end{array}$$

$7.5 \times 2 = 15$

Flow 268 1,200 / 208 1200 — 4.03 — 1.15 — Date Thursday 8.30/24.85

Air Temp. - F° 66°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	82°	74° / 88°	D.O. = 2.7	43° / 87°
pH	7.69	6.09	7.22	7.37
Turbidity JTU	GRAB	GRAB	COMPOSITE	COMPOSITE
Filtered Wt. / Original Wt.	107 / 21.7095 — 230 / 22.7161	57 / 21.9549 — 61 / 22.6554	630 / 21.4486 — 441 / 21.8307	20.0136 — 21.406
Ave. Wt.	72 — 69 — 71	8 — 7 — 8	132 — 134 — 133	0 — 0 — 0
Ashed Wt. / Original Wt.	124 / 21.7095 — 190 / 22.7161	- / 21.9549 — - / 22.6554	932 / 21.4486 — 851 / 21.8307	22.5021 — 23.29
Ave. Wt.	29 — 29 — 29	0	44 — 44 — 44	
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	710 / 15888	24 / 537	1330 / 3431	24 / 537
T.F.S.	290 / 6490	0 / 0	440 / 1135	
T.V.S.	420 / 9398	24 / 537	890 / 2296	
		TOTAL SOLIDS		
Final Wt. / Tare Wt.	9488 / 53.8861	2.0117 / 51.3856	4539 / 52.3998	401 / 52.1218
PPM	627 / 2508	261 / 1044	541 / 2164	183 / 732
	15888 − 537 = 15351 = 96.6 P' T.S.S. % Red.	SET SOLIDS 44 − 32 = 12 mg/L	3431 − 537 = 2894 = 84.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 732	15888 − 537 = 15351 = 96.6
	B.P. Total Solids # Day	Hartman		* Re-Check Sample

OVER

S.I. 23.2220 (37, 17) 21.3329 (54, 25)

22

S.II. 22.5402 (16, 14) 21.4401 (17, 18)

16

* 22.5021 (38, 17) 23.2401 (8, 7)

12

Flow 252 9100 403 1.15 Date Wednesday 8.27/28.85

Air Temp. - F° 84°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	78°	75° / 84°	D.O. = 1.4*	94° / 88°
pH	7.25	7.69	7.26	7.51
Turbidity JTU	GRAB	GRAB	COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.	472 146 22.2375 21.4056	206 196 22.7157 22.8151	151 631 22.3008 21.3678	72 205 21.8706 23.9198
Ave. Wt.	97 90 94	44 45 47	143 153 148	4 7 7
Ashed Wt. Original Wt.	447 122 22.2375 21.4056	205 147 22.7157 22.8151	70 795 22.3008 21.3678	13 20 21.8706 23.9198
Ave. Wt.	72 66 69	48 46 47	62 69 65	7 4 6
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	940 19858	188 3972	1480 3818	14 296
T.F.S.	690 14977	188 3972	650 1677	12 254
T.V.S.	250 5281	0 0	830 2141	2 42
		TOTAL SOLIDS		
Final Wt. Tare Wt.	8373 53.7455	519 44.4196	849 53.1205	1.0118 50.9451
PPM	418 1672	323 1292	584 2336	167 668
	19858 - 3972 = 15887 P' T.S.S. % Red.	SET SOLIDS	3818 - 296 = 3522 = 92.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	14 - 10 = 4 mg/L	Dissolved Solids 654	19858 - 296 = 19562 = 98.5
	B.P. Total Solids # Day			* [illegible] FOR 20 MINUTES

S.I. 22.7233 41 8 22.5454 60 6

7

S.II. 20.6349 58 9 23.5103

5

Flow 2632600 — 252 — 115 — Date 8-20/27-95

Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	80°	94° / 80°	D.O. = 2.4	93° / 87°
pH	7.95	8.42	7.02	7.52
Turbidity JTU	GRAB	GRAB	COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.	840 / 22.8509 — 405 / 22.5032	304 / 22.6276 — 195 / 23.8162	548 / 22.5407 — 9079 / 20.8929	400 / 22.0300 — 75 / 21.7867
Ave. Wt.	381 — 377	28 — 33 — 31	141 — 150 — 146	20 — 8 — 14
Ashed Wt. Original Wt.	645 / 22.8509 — 161 / 22.5032	96 / 22.6276 — 67 / 23.8162	51 / 22.5407 — 64 / 20.8929	9 / 22.0300 — 2 / 21.7867
Ave. Wt.	125 — 129 — 127	22 — 27 — 25	50 — 57 — 54	9 — 7 — 8
Solids	PPM — #/day	PPM — #/day	PPM — X 2.58	PPM — #/day
T.S.S.	3770 — 82791	124 — 2723	1400 — 3767	28 — 605
T.F.S.	1290 — 28307	100 — 2196	540 — 1273	14 — 351
T.V.S.	2480 — 54484	124 — 527	926 — 2374	14 — 254
		TOTAL SOLIDS		
Final Wt. Tare Wt.	20647 / 51.9509	6081 / 50.5810	772 / 51.1176	321 / 50.0146
PPM	1158 — 4552	271 — 1084	596 — 2384	175 — 700
	82791 - 2723 = 80068 = 96.7 P' T.S.S. % Red.	SET SOLIDS 46 - 24 = 22 mg/L	3767 - 615 = 3152 = 83.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 672	82791 - 615 = 82176 = 99.3
	B.P. Total Solids # Day			

Hartman

Steve Sommer

S.I. 22.7451 73 22 23.6664 87 23

23.

S.II. 23.5555 67 12 22.3443 55 12

12

Flow 2227300 4.03 1.15 Date Monday 8. 25/26 .85

Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	80°	90°/ 64°	D.O. = 2.3	90°/ 84°
pH	8.22	5.71	7.07	7.69
Turbidity JTU	GRAB	GRAB	COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.	57 227 22.1307 21.6149	87 89 23.4672 21.9278	264 647 22.9081 21.6465	13 8 22.3806 22.3875
Ave. Wt.	50 78 64	15 11 13	183 182 183	7 11 9
Ashed Wt. Original Wt.	39 94 22.1307 21.6149	62 87 23.4672 21.9278	150 533 22.9081 21.6465	12 83 22.3806 22.3875
Ave. Wt.	32 45 39	10 9 10	69 68 69	6 8 7
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	640 11917	52 968	1830 4721	18 335
T.F.S.	390 7262	40 775	690 1780	14 261
T.V.S.	250 4655	12 193	1140 2941	4 74
		TOTAL SOLIDS		
Final Wt. Tare Wt.	634 51.6284	910 50.7633	3031 53.2294	278 54.4118
PPM	350 1400	277 1108	737 2948	160 640
	11917 - 968 10949 = 91.9 P' T.S.S. % Red.	SET SOLIDS 28 -12 16 mg/L	4721 - 335 4386 = 92.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 622	11917 - 335 11582 = 97.2
	B.P. Total Solids # Day	Hartman		

1000 gals (13#) Sewered overnight
Cat

S.I.	22.4141 (56)	22.8016 (28)
	15	12

14

S.II.	23.3006 (11)	21.4493 (99)
	5	6

6

Sunday

Flow 2007900 403 1.15 Date 8-24/25-85
Air Temp. - F° 63°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		91° / 86°	D.O. = 2.3	91° / 86°
pH			7.42	7.67
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. / Original Wt.			3.0851 / 22.9873 — 424 / 22.7252	26 / 21.8313 — 21 / 21.7106
Ave. Wt.			178 — 177 — 176	9 — 15 — 12
Ashed Wt. / Original Wt.			934 / 22.9873 — 312 / 22.7252	15 / 21.8313 — 11 / 21.7106
Ave. Wt.			61 — 60 — 61	2 — 5 — 4
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.			1788 / 4572	24 / 413
T.F.S.			610 / 1574	8 / 138
T.V.S.			1178 / 3018	16 / 275
		TOTAL SOLIDS		
Final Wt. / Tare Wt.			806 / 52.2172	9055 / 93.8857
PPM			634 / 2530	178 / 792
		SET SOLIDS	4542 - 413 = 4177 = 91.0	Overall % Red.
	P' T.S.S. % Red.	22 - 6 = 16 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	Hartman	Dissolved Solids 768	
	B.P. Total Solids # Day			

S.I. 21.4089 100 11 23.2251 62 11

11

S.II. 20.6378 86 2 21.7027 31 3

3

Flow 2727600 403 115 Date Saturday 8.23/24.85
Air Temp. - F° 60° RAIN

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		85° / 79°	D.O. = 1	86° / 80°
pH			6.98	7.61
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			259 303 23.5129 22.7172	44 61 22.8523 23.5561
Ave. Wt.			130 131 131	21 26 24
Ashed Wt. Original Wt.			23.5129 22.7172	22.8523 23.5561
Ave. Wt.				
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S. T.F.S. T.V.S.			1310 3380	48 1094
		TOTAL SOLIDS		
Final Wt. Tare Wt.			2.0394 51.9856	212 55.4015
PPM			538 2152	197 788
		SET SOLIDS	3380 - 1094 2286 = 67.6	Overall % Red.
	P' T.S.S. % Red.	53 - 44 9 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 740	
	B.P. Total Solids # Day	Hartman		

	320	520
S I	22 6291	21 4406
	29	24

27

	82	59
S II	21 9564	20 6741
	26	18

22

Flow [illegible] 403 .15 Date 8.22/23.85
Air Temp. - F° 52°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	80°	94° / 88°	D.O. = [illegible]	90° / 90°
pH	7.82	5.97	7.23	7.63
Turbidity JTU	GRAB	GRAB	[illegible]	[illegible]
Filtered Wt. Original Wt.	433 671 21.3366 22.[illegible]	907 69 21.7891 22.[illegible]	9084 540 [illegible] 22.2402	701 85 23.[illegible] [illegible]
Ave. Wt.	73 78 76	14 13 15	142 138 140	20 22 21
Ashed Wt. Original Wt.	410 644 21.3340 22.[illegible]	903 67 21.7891 22.5056	9002 58 20.[illegible] 22.2402	91 69 23.[illegible] 22.[illegible]
Ave. Wt.	56 51 51	12 11 12	55 56 56	10 6 8
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	760 16627	60 1313	1400 3612	42 919
T.F.S.	510 11157	48 1050	560 1445	14 350
T.V.S.	250 5470	12 566	840 2167	26 569
		TOTAL SOLIDS		
Final Wt. Tare Wt.	6569 50.5978	309 49.6040	2498 51.1958	791 48.6621
PPM	591 2364	269 1076	540 2160	170 680
	16627 - 1313 15314 = 92.1 P' T.S.S. % Red.	SET SOLIDS 38 - 36 2 mg/L	3612 - 919 2693 = 74.6 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Hartman	Dissolved Solids 638	16627 - 919 15708 = 94.5
	B.P. Total Solids # Day			

S.I.	21.4076 (95)	23.5181 (200)
	19	19

19

S.I.	22.5[illegible] (46)	22.[illegible]415 (29)
	17	19

18

Flow 2718200 4.03 1.15 Date 8 21/22 -85
Air Temp. - F° 53°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	80°	D.O. = 3.0	80°
pH	8.2	6.4	7.3	7.3
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(26)	(16)	(36)
Original Wt.	145 46 22.4099 22.3400	301 9 21.9244 22.1321	813 290 23.4686 21.6170	82 26 21.6474 22.3818
	46 46	7 8	127 120	8 8
Ave. Wt.	46	7.5	123.5	8
Ashed Wt.				
Original Wt.	117 15 2.9099 2.3900	– – 1.9294 2.1321	723 204 3.4686 1.6170	– – 1.6474 2.3818
	18 15		37 34	
Ave. Wt.	16.5	0	35.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	460 / 10448	30 / 681	1235 / 3186	16 / 363
T.F.S.	165 / 3747	– / –	335 / 864	– / –
T.V.S.	295 / 6701	30 / 681	900 / 2322	16 / 363
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	906	4215	2463	248
Tare Wt.	48.6619	52.3996	51.1958	49.6041
PPM	287 1148	219 876	505 2020	206 824
	10448 - 681 = 9767 : 93.5 P' T.S.S. % Red.	SET SOLIDS 17 – 4 = 13 mg/L	3186 - 363 = 2823 : 88.6 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 808	10448 - 363 = 10085 : 96.5
	B.P. Total Solids # Day	Y Genyon		

$$21.9\overset{65}{\underline{554}}_{11} \qquad 22.6\overset{83}{\underline{677}}_{6}$$

$8.5 \times 2 = 17$

$$22.31\overset{5}{\underline{42}}_{3} \qquad 23.798\overset{4}{\underline{3}}_{1}$$

$2 \times 2 = 4$

Flow 2546100 403 1.15 Date 8-29/21-85

Air Temp. - F° -54°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	79°	D.O. = 3.8	79°
pH	8.0	6.5	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 68 60 / 21.4521 22.2417 / 47 43	(25) 56 92 / 22.8531 23.2264 / 25 28	(10) 308 869 / 22.7172 20.0732 / 136 137	(50) 70 9 / 21.3559 21.4082 / 11 7
Ave. Wt.	45	26.5	136.5	9
Ashed Wt. Original Wt.	55 48 / 1.4521 2.2417 / 34 31	47 79 / 2.8531 3.2264 / 16 15	225 90 / 2.7172 0.0732 / 53 58	67 – / 1.3359 1.4082 / 8 0
Ave. Wt.	32.5	15.5	55.5	4

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	450	9582	106	2257	1365	3522	18	383
T.F.S.	325	6920	62	1320	555	1432	8	170
T.V.S.	125	2662	44	937	810	2090	10	213

	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	9155 / 53.8861	407 / 54.4111	807 / 52.1213	8182 / 53.7952
PPM	294 / 1176	296 / 1184	594 / 2376	230 / 920

	9582 - 2257 = 7325 = 76.4	SET SOLIDS	3522 - 383 = 3139 = 89.1	Overall % Red.
	P' T.S.S. % Red.	22 - 15 = 7 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 902	9582 - 383 = 9199 = 96.0
	B.P. Total Solids # Day	K Kenyon		

909
21.7898
11

82
23.5571
11

11 X 2 = 22

84
21.3176
8

86
22.2579
7

7.5 X 2 = 15

Flow 2199400 4.03 1.15 Date 8-19/20-85
Air Temp. - F° 53°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	79°	D.O. = 6.5	79°
pH	7.4	8.4	7.6	7.6
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(25)	(10)	(50)
Original Wt.	223 263 23.5135 22.8168	104 326 21.4068 22.6298	838 416 23.6673 22.7253	83 22.9869 20.89
	88 95	36 28	165 163	14 1
Ave. Wt.	91.5	32	164	14.5
Ashed Wt.				
Original Wt.	93 229 3.5135 2.8168	92 319 1.4068 2.6298	730 309 3.6673 2.7253	73 2.9869 0.895
	58 61	24 21	57 56	4
Ave. Wt.	59.5	22.5	56.5	4

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/da
T.S.S.	915	16809	128	2351	1640	4231	29	533
T.F.S.	595	10930	90	1653	565	1458	8	147
T.V.S.	320	5879	38	698	1075	2773	21	386

	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	8018	6292	7230	4170
Tare Wt.	50.7631	50.5981	48.6616	52.3998
PPM	387 1548	311 1244	614 2456	172 688

16809 - 2351 14458 = 86.0 P' T.S.S. % Red.	SET SOLIDS 10 6 4 mg/L	4231 - 533 3698 = 87.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
P' JTU % Red.		Dissolved Solids 459	16809 - 533 16276 = 9
B.P. Total Solids # Day	Kenyon		

$22.5\overset{4}{\underline{060}}$
$\quad\quad\quad 4$

$23.8\overset{91}{\underline{185}}$
$\quad\quad\quad 6$

$5 \times 2 = 10$

$22.78\overset{7}{\underline{14}}$
$\quad\quad\quad 3$

$22.27\overset{52}{\underline{49}}$
$\quad\quad\quad 3$

$3 \times 2 = 6$

Flow
Air Temp. - F°

Date 8 - 18/19 - 85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°			D.O. = 4.5	
pH				
Turbidity JTU				
Filtered Wt. Original Wt.		Mill	Down	
Ave. Wt.				
Ashed Wt. Original Wt.				
Ave. Wt.				
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S. T.F.S. T.V.S.				
Final Wt. Tare Wt.		TOTAL SOLIDS		
PPM				
	P' T.S.S. % Red.	SET SOLIDS	S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	_____ mg/L	Dissolved Solids	
	B.P. Total Solids # Day			

Flow
Air Temp. - F°

Date 8 - 17/18 - 85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°			D.O. =	
pH				
Turbidity JTU				
Filtered Wt. Original Wt.				
Ave. Wt.		Mill	Down	
Ashed Wt. Original Wt.				
Ave. Wt.				
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S. T.F.S. T.V.S.				
		TOTAL SOLIDS		
Final Wt. Tare Wt.				
PPM				
		SET SOLIDS		Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
		_____ mg/L	Dissolved Solids	
	P' JTU % Red.			
	B.P. Total Solids # Day			

Flow 2496600 4.03 1.15 Date 8-16/17-85
Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		81°	D.O. = 2.2	81°
pH	* Machines Down No Sample	6.3	7.3	7.3
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 20.6382 21.7110	(25) 204 22.7176 / 28 92 23.5571 / 21	(10) 660 21.6469 / 141 9085 20.8945 / 140	(50) 14 22.0402 / 12 73 22.8163 / 10
Ave. Wt.		24.5	140.5	11
Ashed Wt. Original Wt.	0.6382 1.7110	83 2.7176 / 7 6 3.5571 / 5	503 1.6469 / 34 81 0.8945 / 36	4 2.0402 / 2 - 2.8163 / 0
Ave. Wt.		6	35	1
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.		98 2046	140.5 3625	22 459
T.F.S.		24 501	350 903	2 42
T.V.S.		74 1545	1055 2722	20 417
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	52.1216	2244 51.1960	888 53.2289	208 55.4019
PPM		284 (1136)	599 (2396)	189 (756)
	P' T.S.S. % Red.	SET SOLIDS 26 − 10 = 16 mg/L	3625 − 459 = 3166 = 87.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids (734)	
	B.P. Total Solids # Day	Y Benzon		

$$21.4\underset{14}{\overset{95}{\underline{081}}} \qquad 21.7\underset{12}{\overset{25}{\underline{013}}}$$

$13 \times 2 = 26$

$$20.17\underset{4}{\overset{52}{\underline{48}}} \qquad 20.65\underset{6}{\overset{6}{\underline{10}}}$$

$5 \times 2 = 10$

Flow 2338300 4.03 1.15 Date 8-15/16-85
Air Temp. - F° 58°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	80°	D.O. = 2.5	80°
pH	7.8	6.7	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 800 20.0737 63 / 89 21.8318 71	(26) 707 22.6683 24 / 80 21.9558 22	(10) 978 22.3809 169 / 597 22.5430 167	(56) 65 21.3359 6 / 8 22.9880 8
Ave. Wt.	67	23	168	7
Ashed Wt. Original Wt.	65 0.0737 28 / 57 1.8318 39	8 2.6683 5 / 9 1.9558 1	48 2.3809 39 / 69 2.5430 39	— 1.3359 / — 2.9880
Ave. Wt.	33.5	3	39	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	670 / 13091	92 / 1798	1680 / 4334	14 / 274
T.F.S.	335 / 6546	12 / 234	390 / 1006	— / —
T.V.S.	335 / 6545	80 / 1564	1290 / 3328	14 / 274
	(35)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	484 54.4115	8229 53.7957	52.0453 51.9860	225 49.6041
PPM	369 1476	272 1088	593 2372	184 736
	13091 - 1798 = 11293 = 86.3 P' T.S.S. % Red.	SET SOLIDS — 23 5 = 18 mg/L	4334 - 274 = 4060 = 93.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 722	13091 - 4334 = 8757 = 66.9
	B.P. Total Solids # Day	Kenyon		

$$22.1\overset{43}{\underline{331}}_{12} \qquad 22.91\overset{15}{\underline{04}}_{11}$$

$11.5 \times 2 = 23$

$$21.72\overset{52}{\underline{49}}_{3} \qquad 22.12\overset{9}{\underline{67}}_{2}$$

$2.5 \times 2 = 5$

Flow 2374600 4.03 1.15 Date 8-14/15-85

Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	81°	D.O. = 2.5	81°
pH	7.7	6.8	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(60) 87 22.8520 67 / 64 22.2400 64	(26) 705 23.4682 23 / 302 21.9281 21	(60) 297 23.5125 172 / 8058 21.7886 172	(60) 7 23.2253 4 / 8 22.3954 4
Ave. Wt.	65.5	22	172	4
Ashed Wt. Original Wt.	52 2.8520 32 / 33 2.2400 33	4 3.4682 2 / 3 1.9281 2	89 3.5125 64 / 947 1.7886 61	– 3.2253 / – 2.3954
Ave. Wt.	32.5	2	62.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	655 / 12962	88 / 1741	1720 / 4438	8 / 158
T.F.S.	325 / 6432	8 / 158	625 / 1613	– / –
T.V.S.	330 / 6530	80 / 1583	1095 / 2825	8 / 158
	(26)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	356 52.4004	492 49.4238	797 51.1188	7077 48.6882
PPM	352 1408	254 1016	609 2436	195 780
	12962 - 1741 = 11221 = 86.6 P' T.S.S. % Red.	SET SOLIDS 24 – 5 = 19 mg/L	4438 - 158 = 4280 = 96.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 772	12962 - 158 = 12804 = 98.8
	B.P. Total Solids # Day	Y Jenzow		

$$21.4\underline{506}^{18}_{12} \qquad 21.61\underline{61}^{73}_{12}$$

$12 \times 2 = 24$

$$23.39\underline{54}^{6}_{2} \qquad 23.61\underline{27}^{30}_{3}$$

$2.5 \times 2 = 5$

Flow 2235500 4.03 1.15 Date 8-13/14-85

Air Temp. - F° 68°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	81°	D.O. = 3.0	81°
pH	7.8	6.9	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(25)	(10)	(50)
Original Wt.	463 80 22.8398 22.5023	51 82 21.1142 22.3871	918 842 20.2736 22.2655	33 5 22.4128 21.1082
	65 57	9 11	182 187	5 3
Ave. Wt.	61	10	184.5	4
Ashed Wt.				
Original Wt.	429 49 2.8398 2.5023	3 3 1.1142 2.3871	80 703 0.2736 2.2655	- - 2.4128 1.1082
	31 26	1 2	44 48	
Ave. Wt.	28.5	1.5	46	0

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	610	11409	40	748	1845	4760	8	150
T.F.S.	285	5331	6	112	460	1187	-	-
T.V.S.	325	6078	34	636	1385	3573	8	150

	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	3151	478	776	340
Tare Wt.	52.2712	55.6203	49.1125	51.4168
PPM	439 1756	275 1100	651 2604	172 688

	11409 -748 10661 = 93.4	SET SOLIDS	4760 -150 4610 = 96.8	Overall % Red.
	P' T.S.S. % Red.	12 - 1 11 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 680	11409 -150 11259 = 98.7
	B.P. Total Solids # Day	Kenyon		

$$21.4\overset{33}{\underline{127}}_{6} \qquad 22.68\overset{7}{\underline{31}}_{6}$$

$6 \times 2 = 12$

$$22.8\overset{20}{\underline{119}}_{1} \qquad 21.68\overset{-}{\underline{22}}_{0}$$

$.5 \times 2 = 1$

Flow 2017300 4.03 1.15 Date 8-12/13-85

Air Temp. - F° 70°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	80°	D.O. = 4.0	80°
pH	7.8	6.7	7.4	7.4
Turbidity JTU	Grab (10)	Grab (20)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	305 114 22.2254 21.3069 51 45	38 41 22.4721 22.5127 17 14	494 880 22.6305 23.6686 189 194	61 14 22.5054 22.0406 7 8
Ave. Wt.	48	15.5	191.5	7.5
Ashed Wt. Original Wt.	77 86 2.2254 1.3069 23 17	30 31 2.4721 2.5127 9 4	61 744 2.6305 3.6686 56 58	5 8 2.5054 2.0406 1 2
Ave. Wt.	20	6.5	57	1.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	480 / 8096	62 / 1046	1915 / 4941	15 / 253
T.F.S.	200 / 3373	26 / 656	570 / 1471	3 / 51
T.V.S.	280 / 4723	36 / 390	1345 / 3470	12 / 202
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	7171 52.6812	763 53.1475	9504 53.8858	335 52.2168
PPM	359 1436	288 1152	646 2584	167 668
	8096 1046 7050 : 87.1 P' T.S.S. % Red.	SET SOLIDS - 18 3 15 mg/L	4941 253 4688 : 94.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 653	8096 -253 7843 : 96.9
	B.P. Total Solids # Day	Kenyon		

$23.8\overset{91}{\underset{10}{\underline{181}}}$ $21.40\overset{9}{\underset{8}{\underline{81}}}$

$9 \times 2 = 18$

$21.175\overset{4}{\underset{2}{\underline{2}}}$ $21.826\overset{8}{\underset{1}{\underline{7}}}$

$1.5 \times 2 = 3$

Flow 1672900 4.03 1.15

Air Temp. - F° 58°

Date 8-11/12-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	83°	79°	D.O. = 4.9	79°
pH	7.7	6.8	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 71 22.5123 / 66 21.8326	(25) 70 21.2464 / 9 21.1952	(60) 905 22.3721 / 285 21.1089	(50) 80 20.2577 / 9 22.1165
	48 / 40	6 / 7	184 / 196	3 / 4
Ave. Wt.	44	6.5	190	3.5
Ashed Wt. Original Wt.	42 2.5123 / 41 1.8326	— 1.2464 / — 1.1952	79 2.3721 / 152 1.1089	— 0.2577 / — 2.1165
	19 / 15	0	58 / 63	0
Ave. Wt.	17	0	60.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	440 / 6136	26 / 363	1900 / 4902	7 / 98
T.F.S.	170 / 2371	— / —	605 / 1561	— / —
T.V.S.	270 / 3765	26 / 363	1295 / 3341	7 / 98
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	5160 52.4521	526 53.8292	53.0249 52.9517	453 50.1276
PPM	639 2556	234 936	732 2928	177 708
	6136 - 363 = 5773 = 94.1 P' T.S.S. % Red.	SET SOLIDS 7 − 0 = 7 mg/L	4902 - 98 = 4804 = 98.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 701	6136 - 98 = 6038 = 98.4
	B.P. Total Solids # Day	Y Jenyon		

$21.58\overset{9}{\underset{5}{\underline{74}}}$ $\qquad$ $23.81\overset{5}{\underset{2}{\underline{23}}}$

$3.5 \times 2 : 7$

$\overset{-}{22.6318}$ $\qquad$ $\overset{-}{21.2815}$

0

Sunday

Flow 1625100

Air Temp. - F° 59°

4.03 1.15

Date 8-11-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		82° / 76°	D.O. = 2.3	90° / 84°
pH			7.40	7.62
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			752 6079 22.8920 21.7882	22.3810 22.4873
Ave. Wt.			292 147 215	4 3 5
Ashed Wt. Original Wt.			87 7940 22.8520 21.7882	2 - 22.3810 22.4873
Ave. Wt.			67 58 62.5	2 0 1
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.			2150 5547	10 136
T.F.S.			625 1613	2 27
T.V.S.			1525 3934	8 109
		TOTAL SOLIDS		
Final Wt. Tare Wt.			2809 51.1962	371 52.2172
PPM			847 3388	199 796
		SET SOLIDS	5547 - 136 5411 = 97.5	Overall % Red.
	P' T.S.S. % Red.	0 - 0 0 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 786	
	B.P. Total Solids # Day	Hartman		

S.I. 21.8320^{20} 23.4690^{89}

0 0

S.II. 22.7261 22.5435

0

Flow 2520800
Air Temp. - F° 65°

4.03 1.15

Date Saturday 8-10-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		97°/91°	D.O. = 1.5	96°/90°
pH			7.09	7.52
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			432 535 23.2250 21.3368	41 70 21.9282 21.6164
Ave. Wt.			172 167 170	9 6 8
Ashed Wt. Original Wt.			301 423 23.2250 21.3368	7 - 21.9282 21.6164
Ave. Wt.			51 55 53	5 - 3
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.			1700 4386	16 337
T.F.S.			530 1367	6 126
T.V.S.			1170 3019	10 211
		TOTAL SOLIDS		
Final Wt. Tare Wt.			686 55.4017	7061 48.6883
PPM			669 2676	178 712
		SET SOLIDS	4386 - 337 4049 = 92.3	Overall % Red.
	P' T.S.S. % Red.	22 - 6 16 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 696	
	B.P. Total Solids # Day	Hartman		

S.I.	46 23.5132 14	68 21.9560 8

11

S.II.	10 22.0407 3	61 22.5059 2

3

Flow 2347700 4.03 1.15 Date 8-8/9-85

Air Temp. - F° 60°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	81°	D.O. = 1.9	81°
pH	7.4	5.7	7.3	7.3
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	4537 7226 22.3815 22.6529	44 19 21.7932 20.1509	672 554 21.4498 22.2396	58 7 20.8947 20.0740
	722 697	12 10	174 158	11 7
Ave. Wt.	709.5	11	166	9
Ashed Wt. Original Wt.	4345 7096 2.3815 2.6529	3 – 1.7932 0.1509	543 434 1.4498 2.2396	9 – 0.8947 0.0740
	580 567	1 0	45 38	2 0
Ave. Wt.	573.5	5	41.5	1

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	7095	139222	44	863	1660	4283	18	353
T.F.S.	5735	112535	2	39	415	1071	2	39
T.V.S.	1360	26687	42	824	1245	3222	16	314

TOTAL SOLIDS

Final Wt. Tare Wt.	6587 49.4223	928 50.0657	6650 50.5979	828 50.7630
	2364	271	671	198
PPM	9456	1084	2684	792

	139222 - 863 = 138359 = 99.4 P' T.S.S. % Red.	SET SOLIDS 14 − 3 = 11 mg/L	4283 - 353 = 3930 = 91.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 774	139222 - 353 = 138869 = 99.7
	B.P. Total Solids # Day	Benzon		

Working to allow for Gravity prop. 3 days To one Calcul. after

$$22.1\underset{8}{\overset{22}{\underline{314}}} \qquad 21.71\underset{6}{\overset{8}{\underline{12}}}$$

$7 \times 2 = 14$

$$22.83\underset{1}{\overset{9}{\underline{78}}} \qquad 22.57\underset{2}{\overset{4}{\underline{12}}}$$

$1.5 \times 2 = 3$

Flow 2327100
Air Temp. - F° 58°

4.03 1.15

Date 8-7/8-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	80°	D.O. = 1.9	80°
pH	7.7	5.7	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(25)	(10)	(50)
Original Wt.	801 434 20.2738 22.2366	42 9 22.4128 21.8761	580 528 22.5412 20.6367	99 52 21.4084 22.7239
	63 68	14 8	168 161	15 13
Ave. Wt.	65.5	11	164.5	14
Ashed Wt.				
Original Wt.	67 99 0.2738 2.2366	32 3 2.4128 1.8761	47 49 2.5412 0.6367	6 – 1.4084 2.7239
	29 33	4 2	35 32	2 0
Ave. Wt.	31	3	33.5	1

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	655	12743	44	856	1645	4244	28	545
T.F.S.	310	6031	12	233	335	864	2	39
T.V.S.	345	6712	32	623	1310	3380	26	506

		TOTAL SOLIDS		
	(25)	(25)	(25)	(25)
Final Wt.	580	2029	672	363
Tare Wt.	51.2173	55.1763	55.4020	52.2171
	407	266	652	192
PPM	1628	1064	2608	768

	12743 - 856 11887 = 93.3 P' T.S.S. % Red.	SET SOLIDS – 14 3 11 mg/L	4244 - 545 3699 = 87.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 740	12743 - 545 12198 = 95.7
	B.P. Total Solids # Day	Kenyon		

$$22.0\underline{410}^{7}_{7} \qquad 21.7\underline{890}^{7}_{7}$$

$7 \times 2 = 14$

$$21.11\underline{72}^{4}_{2} \qquad 22.5\underline{790}^{1}_{1}$$

$1.5 \times 2 = 3$

Flow 2347900 4.03 1.15 Date 8-6/7-85

Air Temp. - F° 60°

Sample	Before Primary		After Primary		Aeration I Tank		Secondary	
Temp. F°	85°		79°		D.O. = 2.4		79°	
pH	7.9		6.4		7.4		7.4	
Turbidity JTU	Grab (10)		Grab (25)		Composite (10)		Composite (5)	
Filtered Wt.	8007	248	37	78	824	654	95	49
Original Wt.	21.7918	22.3154	22.4628	22.2167	23.6677	22.8520	21.9274	23.2234
	89	94	9	11	147	134	21	15
Ave. Wt.	91.5		10		140.5		18	
Ashed Wt.	60	202	—	9	713	53	81	6
Original Wt.	1.7918	2.3154	2.4628	2.2167	3.6677	2.8520	1.9274	3.2234
	42	48	0	2	36	33	7	2
Ave. Wt.	45		1		34.5		4.5	
Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	915	17955	40	785	1405	3625	36	706
T.F.S.	450	8830	4	78	345	890	9	177
T.V.S.	465	9125	36	707	1060	2735	27	529
	(25)		TOTAL SOLIDS (25)		(25)		(25)	
Final Wt.	2074		970		847		7070	
Tare Wt.	53.1598		53.6711		49.4228		48.6886	
PPM	476		259		619		184	
	1904		1036		2476		736	
	17955 - 785 = 17170 = 95.6		SET SOLIDS		3625 - 706 = 2919 = 80.5		Overall % Red.	
	P' T.S.S. % Red.		31 - 12 = 19 mg/L		S' T.S.S. % Red.		T.S.S.	
	P' JTU % Red.				Dissolved Solids 700		17955 - 706 = 17249 = 96.1	
	B.P. Total Solids # Day		Kenyon					

$21.95\overset{69}{\underset{16}{53}}$ $\qquad$ $23.55\overset{77}{\underset{15}{62}}$

$15.5 \times 2 = 31$

$22.86\overset{6}{\underset{5}{21}}$ $\qquad$ $22.32\overset{85}{\underset{7}{78}}$

$6 \times 2 = 12$

Flow 2433200 4.03 1.15 Date 8-5/6-85

Air Temp. - F° 66°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	80°	D.O. = 2.0	80°
pH	7.3	5.8	7.2	7.2
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 435 240 22.6245 22.9109 140 131	(25) 91 84 23.4679 22.7170 12 14	(10) 450 511 21.8313 21.3361 137 150	(25) 9 55 21.6151 22.5048 8 7
Ave. Wt.	135.5	13	143.5	7.5
Ashed Wt. Original Wt.	356 67 2.6295 2.9109 61 58	83 6 3.4679 2.7170 4 6	47 98 1.8313 1.3361 34 37	3 50 1.6151 2.5048 2 2
Ave. Wt.	59.5	5	35.5	2
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1355 27494	52 1055	1435 3702	30 609
T.F.S.	595 12073	20 406	355 916	8 162
T.V.S.	760 15421	32 649	1080 2786	22 447
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	617 52.4007	905 50.7636	6562 50.5980	387 51.1185
PPM	610 2440	269 1076	582 2328	202 808
	27494 - 1055 = 26439 = 96.2 P' T.S.S. % Red.	SET SOLIDS 39 − 14 = 25 mg/L	3702 - 609 = 3093 = 83.5 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 778	27494 - 609 = 26885 = 97.8
	B.P. Total Solids # Day	Benyon		

$$23.\overset{209}{\underset{20}{\underline{8189}}} \qquad 23.5\overset{53}{\underset{19}{\underline{134}}}$$

$19.5 \times 2 = 39$

$$23.8452\overset{9}{\underset{7}{\underline{}}} \qquad 21.42\overset{24}{\underset{7}{\underline{17}}}$$

$7 \times 2 = 14$

Flow 2253100 4.03 1.15 Date 8-4/5-85
Air Temp. - F° 67°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	80°	D.O.= 2.4	80°
pH	7.5	6.1	7.3	7.3
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (30)
Filtered Wt. Original Wt.	375 540 21.9275 21.6487 100 103	93 25 21.3685 22.3816 8 9	843 8048 23.6682 21.7889 141 159	98 28 22.8169 22.2407 29 21
Ave. Wt.	101.5	8.5	160	25
Ashed Wt. Original Wt.	307 519 1.9275 1.6487 32 32	— — 1.3685 2.3816	725 927 3.6682 1.7889 43 38	72 12 2.8169 2.2407 3 5
Ave. Wt.		0	40.5	4
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1015 19069	34 639	1600 4128	50 939
T.F.S.	320 6012	— —	405 1045	8 150
T.V.S.	695 13057	34 639	1195 3083	42 789
	(25)	TOTAL SOLIDS (35)	(25)	(25)
Final Wt. Tare Wt.	527 54.4114	469 52.1219	7535 48.6886	416 49.4223
PPM	413 1652	250 1000	649 2596	193 772
	19069 - 639 = 18430 = 96.6 P' T.S.S. % Red.	SET SOLIDS — 28 5 23 mg/L	4128 - 939 = 3189 = 77.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 722	19069 - 939 = 18130 = 95.1
	B.P. Total Solids # Day	Benyon		

$$\begin{array}{r} 73 \\ 21.9560 \\ \hline 13 \end{array} \qquad \begin{array}{r} 22 \\ 21.4507 \\ \hline 15 \end{array}$$

$14 \times 2 = 28$

$$\begin{array}{r} 4 \\ 21.8462 \\ \hline 2 \end{array} \qquad \begin{array}{r} 7 \\ 21.6754 \\ \hline 3 \end{array}$$

$2.5 \times 2 = 5$

Flow 2264500 4.03 1.15

Air Temp. - F° 60°

Date 8 - 3/4 - 85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	80°	D.O. = 2.4	80°
pH	7.6	6.0	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 101 77 / 22.1042 21.8513	(25) 64 23 / 22.1556 22.8911	(10) 357 932 / 23.2216 22.3795	(5) 77 46 / 22.7453 21.8124
	59 64	8 12	141 137	24 22
Ave. Wt.	61.5	10	134	23
Ashed Wt. Original Wt.	73 47 / 2.1042 1.8513	— 4 / 2.1556 2.8911	64 837 / 3.2216 2.3795	8 7 / 2.7453 1.8124
	31 34	0 3	48 42	5 3
Ave. Wt.	32.5	1.5	45	4

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	615	11606	40	755	1390	3586	46	868
T.F.S.	325	6133	6	113	450	1161	8	151
T.V.S.	290	5473	34	642	940	2425	38	717

	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	406 / 49.7105	396 / 52.5113	2071 / 50.1486	658 / 53.8467
PPM	301 / 1204	283 / 1132	585 / 2340	191 / 764

	11606 - 755 = 10851 = 93.5	SET SOLIDS	3586 - 868 = 2718 = 75.8	Overall % Red.
	P' T.S.S. % Red.	51 − 25 = 26 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 718	11606 - 868 = 10738 = 92.5
	B.P. Total Solids # Day	Kenyon		

320
22. 1295
25

78
21. 2852
26

25.5 X2: 51

300
21. 8286
14

26
22. 9815
11

12.5 X2: 25

Sat

Flow 2239900 4.03 1.15 Date 8 - 2/3 -85

Air Temp. - F° 52°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	81°	D.O. = 2.8	81°
pH	7.4	5.9	7.3	7.3
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 54 55 22.8524 22.5423	(21) 9 5 23.2245 22.7252	(60) 217 157 21.4079 22.8019	(50) 81 20 23.5558 22.0400
	30 32	4 3	138 138	23 20
Ave. Wt.	31	3.5	138	21.5
Ashed Wt. Original Wt.	35 37 2.8524 2.5423	— — 3.2245 2.7252	117 55 1.4079 2.8019	61 2 3.5558 2.0400
	11 14	0	38 36	3 2
Ave. Wt.	12.5		37	2.5
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	310 5798	14 262	1380 3560	43 804
T.F.S.	125 2338	— —	370 955	5 94
T.V.S.	185 3460	14 262	1010 2605	38 710
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	2294 51.1962	551 53.2287	569 55.4016	345 52.2162
PPM	332 1328	264 1056	553 2212	183 732
	5798 - 262 = 5536 = 95.5 P' T.S.S. % Red.	SET SOLIDS - 40 15 = 25 mg/L	3560 - 804 = 2756 = 77.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 689	5798 - 804 = 4994 = 86.1
	B.P. Total Solids # Day	Kenyon		

$$22.3\overset{68}{\underset{22}{\underline{346}}}$$

$$22.4\overset{54}{\underset{18}{\underline{136}}}$$

$20 \times 2 = 40$

$$22.14\overset{45}{\underset{7}{\underline{38}}}$$

$$22.82\overset{15}{\underset{8}{\underline{07}}}$$

$7.5 \times 2 = 15$

Flow 2228300 4.03 1.15 Date 8-½-85
Air Temp. - F°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	81°	D.O. = 3.2	81°
pH	7.4	6.1	7.3	7.3
Turbidity JTU	Grab ~~Com~~ (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. / Original Wt.	71 / 21.7010 — 94 / 22.6535	80 / 20.6373 — 22 / 22.1319	212 / 21.4080 — 23.0013 / 22.4875	24 / 22.3812 — 20 / 21.7109
	61 — 59	7 — 3	132 — 138	17 — 11
Ave. Wt.	60	5	135	14
Ashed Wt. / Original Wt.	34 / 1.7010 — 58 / 2.6535	— / 0.6373 — — / 2.1319	112 / 1.4080 — 911 / 2.9875	4 / 2.3812 — — / 1.7109
	24 — 23		32 — 36	2 — 0
Ave. Wt.	23.5	0	34	1
Solids	PPM — #/day	PPM — #/day	PPM — X 2.58	PPM — #/day
T.S.S.	600 — 11172	20 — 372	1350 — 3483	28 — 521
T.F.S.	235 — 4376	— —	340 — 877	2 — 37
T.V.S.	365 — 6796	20 — 372	1010 — 2606	26 — 484
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	552 / 49.4223	804 / 50.7629	7414 / 48.6882	52.0043 / 51.9852
PPM	329 / 1316	175 / 700	532 / 2128	191 / 764
	11172 − 372 = 10800 = 96.7 P' T.S.S. % Red.	SET SOLIDS 52 − 23 = 29 mg/L	3483 − 521 = 2962 = 85.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 736	11172 − 521 = 10651 = 95.3
	B.P. Total Solids # Day	Kenyon		

#3 Mach. Back Out - Tubes
#2 Mach. Working Today Ashen

$$23.6\overset{711}{\underline{685}}_{26} \qquad 22.\overset{96}{\underline{8170}}_{26}$$

$26 \times 2 = 52$

$$21.32\overset{17}{\underline{06}}_{11} \qquad 20.4\overset{37}{\underline{825}}_{12}$$

$11.5 \times 2 = 23$