April - 1985

Bench Sheets

114259

51230-51260

Flow 2722300 4.03 1.15 Date 4-30 5-1 -85

Air Temp. - F° 56°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	79°	76°	D.O.= 4.2	76°
pH	7.6	6.8	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 80 7022 / 21.9548 21.6997 / 32 25	(25) 9 40 / 23.6673 22.7133 / 6 7	(10) 368 978 / 22.7165 22.3779 / 203 199	(35) 67 406 / 23.8157 22.5399 / 10 7
Ave. Wt.	28.5	6.5	201	8.5
Ashed Wt. Original Wt.	55 8 / 1.9548 1.6997 / 7 1	— — / 3.6673 2.7133	232 841 / 2.7165 2.3779 / 67 62	63 — / 3.8157 2.5399 / 6 0
Ave. Wt.	4	0	64.5	3
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	285 / 6473	26 / 590	2010 / 5185	17 / 386
T.F.S.	40 / 908	— / —	645 / 1664	4 / 136
T.V.S.	245 / 5565	26 / 590	1365 / 3521	11 / 250
Final Wt. Tare Wt.	(25) 6064 / 50.5822	TOTAL SOLIDS (25) 4228 / 55.3997	(25) 881 / 50.6140	(25) 6151 / 50.5976
PPM	242 / 968	231 / 924	741 / 2964	175 / 700
	6473 - 590 = 5883 : 90.9 P' T.S.S. % Red.	SET SOLIDS 15 - 2 = 13 mg/L	5185 - 386 = 4799 : 92.6 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 683	6473 - 386 = 6087 : 94.0
	B.P. Total Solids # Day	Kenyon		

7

22.3810

7

76

22.8168

8

7.5 X 2 : 15

40

22.6839

1

5

23.9324

1

1 X 2 = 2

Flow 2237800
Air Temp. - F° 42°

4.03 1.15

Date 4-29/30-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	79°	76°	D.O.= 5.6	76°
pH	7.6	6.7	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 936 139 / 21.7876 21.4076 / 60 63	(10) 74 76 / 20.6354 22.5446 / 20 30	(10) 455 357 / 22.7231 22.4122 / 224 235	(10) 8 7 / 22.3432 22.3373 / 6 4
Ave. Wt.	61.5	25	229.5	5
Ashed Wt. Original Wt.	96 97 / 1.7876 1.4076 / 20 21	9 52 / 0.6354 2.5446 / 4 6	306 205 / 2.7231 2.4122 / 74 83	3 - / 2.3432 2.3373 / 1 0
Ave. Wt.	20.5	5	78.5	.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	615 / 11503	100 / 1870	2295 / 5921	10 / 187
T.F.S.	205 / 3834	20 / 374	785 / 2025	1 / 19
T.V.S.	410 / 7669	80 / 1496	1510 / 3896	9 / 168
	(25)	TOTAL SOLIDS (25)	(25)	(26)
Final Wt. Tare Wt.	471 / 49.6029	565 / 53.2290	2114 / 52.1203	277 / 54.4090
PPM	442 / 884	275 / 1100	911 / 3644	187 / 748
	11503 - 1870 = 9633 : 83.7	SET SOLIDS	5921 - 187 = 5734 = 96.8	Overall % Red.
	P' T.S.S. % Red.	15 / 2	S' T.S.S. % Red.	T.S.S.
		13 mg/L	Dissolved Solids 738	11503 - 187 = 11316 : 98.4
	P' JTU % Red.			
	B.P. Total Solids # Day	Kenyon		

75

22.6268

7

403

21.6395

8

75X2:15

20.759

0

8

22.4586

2

1X2:2

Flow 2371100 4.03 1.15 Date 4-28/29-85
Air Temp. - F° 52°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	80°	76°	D.O. = 5.7	76°
pH	7.8	6.8	7.6	7.6
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 53 127 21.5712 22.9085 41 42	(35) 38 83 21.7101 20.0748 37 35	(10) 435 888 23.2234 23.4464 201 224	(35) 6 82 21.7871 21.4076 5 6
Ave. Wt.	41.5	36	212.5	5.5
Ashed Wt. Original Wt.	25 97 1.5712 2.9085 13 12	21 64 1.7101 0.0748 20 16	309 742 3.2234 3.4464 15 18	- - 1.7871 1.4076
Ave. Wt.	12.5	18	76.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	415 8213	144 2850	2125 5483	11 218
T.F.S.	125 2474	72 1425	765 1974	- -
T.V.S.	290 5739	72 1360	1360 3509	11 218
	(25)	TOTAL SOLIDS (26)	(26)	(25)
Final Wt. Tare Wt.	6354 50.5822	4252 55.3998	1139 52.0341	4154 52.3997
PPM	532 2128	254 1016	798 3192	157 628
	8213 - 2850 = 5363 : 65.3	SET SOLIDS 9	5483 - 218 = 5265 : 96.0	Overall % Red.
	P' T.S.S. % Red.	0	S' T.S.S. % Red.	T.S.S.
		9 mg/L	Dissolved Solids	8213 - 218 = 7995 : 97.3
	P' JTU % Red.		617	
	B.P. Total Solids # Day	Kenyon		

124

23. 5119
5

6

22. 3812
4

4.5 X 2 = 9

21. 4394

21.3129

0

Flow 2548400

Air Temp. - F° 52°

4.03 · 1.15

Date 4-27/28-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	83°	79°	D.O. = 4.0	79°
pH	7.4	6.7	7.1	7.1
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (5)
Filtered Wt. / Original Wt.	80 / 725 22.2936 / 23.6688	44 / 801 22.9839 / 22.4795	920 / 7004 21.6758 / 23.6835	73 / 9 22.7267 / 22.2926
	44 / 37	5 / 6	162 / 169	4 / 3
Ave. Wt.	40.5	5.5	165.5	4.5
Ashed Wt. / Original Wt.	53 / 97 2.2936 / 3.6688	– / – 2.9839 / 2.4795	808 / 89 1.6758 / 3.6835	8 / – 2.7267 / 1.2926
	17 / 9	0	50 / 54	1 / 0
Ave. Wt.	13		52	.5
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	405 / 8623	22 / 468	1655 / 4270	9 / 192
T.F.S.	130 / 2768	– / –	520 / 1342	1 / 21
T.V.S.	275 / 5855	22 / 468	1135 / 2928	8 / 171
	(26)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	754 50.9456	984 53.4759	685 53.3074	672 50.4489
PPM	298 1192	227 908	611 2444	183 732
	8623 - 468 = 8155 : 94.6 P' T.S.S. % Red.	SET SOLIDS 9 − 0 = 9 mg/l	4270 - 192 = 4078 : 95.5 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 723	8623 - 192 = 8431 : 97.8
	B.P. Total Solids # Day	Yeager		

$$22.7\overset{73}{\underline{668}}_{5} \qquad 21.2\overset{5}{\underline{451}}_{4}$$

4.5 X 2:9

$$21.3569 \qquad 23.8707$$

0

Flow 2709700 4.03 1.15 Date 4-24/21-85

Air Temp. - F° 42°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	83°	79°	D.O. = 4.3	79°
pH	7.5	6.7	7.2	7.2
Turbidity JTU	Grab (10)	Grab (25-)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	96 431 22.3440 22.3383 56 48	62 8 22.7152 22.6281 10 7	542 497 20.6374 22.1322 168 175	6 4 21.9552 21.7011 4 3
Ave. Wt.	52	8.5	171.5	3.5
Ashed Wt. Original Wt.	54 93 2.3440 2.3383 14 10	4 – 2.7152 2.6281 2 0	429 80 0.6374 2.1322 55 58	– – 1.9552 1.7011 0
Ave. Wt.	12	1	56.5	
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	520 / 11767	34 / 769	1715 / 4425	7 / 158
T.F.S.	120 / 2715	4 / 91	565 / 1458	–
T.V.S.	400 / 9052	30 / 678	1150 / 2967	7 / 158
Final Wt. Tare Wt.	(25) 495 52.1219	TOTAL SOLIDS (20) 429 50.6153	(25-) 914 53.2299	(25-) 289 54.4100
PPM	276 1104	232 928	615 2460	189 756
	11767 -769 10998 : 93.5 P' T.S.S. % Red.	SET SOLIDS 8 – 0 8 mg/l	4425 -158 4267 : 96.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 749	11767 -158 11609 : 98.7
	B.P. Total Solids # Day	Kenyon		

$22.7241\frac{6}{5}$ $22.4132\frac{5}{3}$

$4 \times 2 : 8$

22.1547 22.3629

0

Flow 2672700
Air Temp. - F° 42°

4.03 1.15

Date 4-25/26-85

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°	84°	80°	D.O. = 4.0	80°
pH	7.4	6.7	7.2	7.2
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 206 431 / 23.8164 21.6394	(10) 7 72 / 22.3792 22.7167	(10) 856 354 / 23.6684 22.8170	(10) 8 1 / 22.5445 21.8320
Ave. Wt.	42 37 / 39.5	5 5 / 5	172 184 / 178	3 1 / 2
Ashed Wt. Original Wt.	73 402 / 3.8164 1.6394	– – / 2.3792 2.7167	736 221 / 3.6684 2.8170	– – / 2.5445 1.8320
Ave. Wt.	11 8 / 9.5	– / 0	52 51 / 51.5	– / 0
Solids	PPM / #/day	PPM / #/day	PPM / X2.58	PPM / #/day
T.S.S.	395 / 8806	20 / 446	1780 / 4592	4 / 89
T.F.S.	95 / 2118	– / –	515 / 1329	– / –
T.V.S.	300 / 6688	20 / 446	1265 / 3263	4 / 89
Final Wt. Tare Wt.	(25) 939 / 50.7688	TOTAL SOLIDS (25) 9128 / 53.8901	(25) 8739 / 53.7952	(25) 528 / 49.4327
PPM	251 / 1004	227 / 908	787 / 3148	201 / 804
	8806 - 446 = 8360 : 94.9 P' T.S.S. % Red.	SET SOLIDS 5 - 0 = 5 mg/l	4592 - 89 = 4503 : 98.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Kenyon	Dissolved Solids 800	8806 - 89 = 8717 : 99.0 %
	B.P. Total Solids # Day			

$$21.\overset{3}{4071}_{2} \qquad 22.5\overset{8}{4}\overset{5}{1}_{3}$$

$$2.5 \times 2 = 5$$

$$21.5863 \qquad 22.1924$$

0

Flow 2761300
Air Temp. - F° 62°

4.03 1.15

Date 4-24/25-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	80°	79°	D.O. = 4.7	79°
pH	7.5	6.5	7.1	7.1
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 28 / 21.7103 — 69 / 23.2243	(86) 105 / 22.9096 — 9 / 22.6543	(10) 918 / 21.5721 — 952 / 20.0757	(50) 9 / 23.9207 — 82 / 21.4079
	25 — 26	9 — 6	197 — 195	2 — 3
Ave. Wt.	25.5	7.5	196	2.5
Ashed Wt. Original Wt.	13 / 1.7103 — 32 / 3.2243	— / 2.9096 — — / 2.6543	72 / 1.5721 — 806 / 0.0757	— / 3.9207 — — / 1.4079
	10 — 9		51 — 51	
Ave. Wt.	9.5	0	51	0
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	255 / 5877	30 / 691	1960 / 5057	5 / 115
T.F.S.	95 / 2189	—	510 / 1316	—
T.V.S.	160 / 3688	30 / 691	1450 / 3741	5 / 115
		TOTAL SOLIDS		
Final Wt. Tare Wt.	226 / 52.4008	230 / 51.9505	7512 / 48.6872	433 / 51.6279
PPM	218 / 872	225 / 900	640 / 2560	154 / 616
	5877 - 691 = 5180 = 88.1	SET SOLIDS	5057 - 115 = 4942 = 97.7	Overall % Red.
	P' T.S.S. % Red.	7 - 0 = 7 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	Kenyon	Dissolved Solids 611	5877 - 115 = 5762 = 98.0
	B.P. Total Solids # Day			

$$21.7895 \quad (8,\ 3) \qquad\qquad 22.3828 \quad (32,\ 4)$$

$$3.5 \times 2 = 7$$

$$21.2138 \qquad\qquad 21.2389$$

$$0$$

Flow 2919 700 4.03 1.15 Date 4-23/24-85

Air Temp. - F° 61°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	81°	D.O. = 4.0	81°
pH	7.4	6.8	7.3	7.3
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	219 21.5127 / 215 22.7117	67 23.2241 / 814 23.1785	308 23.3160 / 3037 22.2884	9 22.1821 / 91 21.6884
Ave. Wt.	92 / 98 — 95	26 / 29 — 27.5	148 / 153 — 150.5	8 / 7 — 7.5
Ashed Wt. Original Wt.	76 1.5127 / 70 2.7117	5 3.2241 / 91 3.1785	217 3.3160 / 946 2.2884	3 2.1821 / 5 1.6884
Ave. Wt.	48 / 53 — 50.5	4 / 6 — 5	57 / 62 — 59.5	2 / 1 — 1.5
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	950 / 23163	275 / 6705	1505 / 3883	15 / 366
T.F.S.	505 / 12313	20 / 488	595 / 1535	3 / 73
T.V.S.	445 / 10850	255 / 6217	910 / 2348	12 / 293
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	809	8346	8127	446
Tare Wt.	53.1287	51.7859	50.7428	51.1275
PPM	522 / 2088	487 / 1948	699 / 2796	171 / 684
	23163 - 6705 = 16458 : 71.1 P' T.S.S. % Red.	SET SOLIDS 16 - 3 = 13 mg/l	3883 - 366 = 3517 : 90.6 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 669	23163 - 366 = 22797 : 98.4
	B.P. Total Solids # Day	Kenyon		* Lowered 1,000 gal later yesterday morning

$$23.\ 98\overset{9}{\underline{52}}_{7}$$

$$22.\ 72\overset{15}{\underline{06}}_{9}$$

$8 \times 2 = 16$

$$22.\ 54\overset{32}{\underline{29}}_{3}$$

$$23.\ 72\overset{-}{\underline{38}}_{0}$$

$1.5 \times 2 = 3$

Flow 2778300 4.03 1.15 Date 4-22/23-85

Air Temp. - F° 66°

Sample	Before Primary	After Primary	Aeration I Ta.4K	Secondary
Temp. F°	85°	82°	D.O. = 3.9	82°
pH	7.4	6.4	7.2	7.2
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (10)
Filtered Wt. Original Wt.	453 936 22.1366 21.2845 87 41	59 310 22.5736 22.8291 23 19	142 830 22.8007 21.3682 135 148	9 5 23.5112 20.8940 7 5
Ave. Wt.	89	21	141.5	6
Ashed Wt. Original Wt.	402 88 2.1366 1.2845 36 43	43 7 2.5736 2.8291 7 6	49 725 2.8007 1.3682 42 43	3 – 3.5112 0.8940 1 0
Ave. Wt.	39.5	6.5	42.5	.5
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	890 / 20660	84 / 1950	1415 / 3651	12 / 279
T.F.S.	395 / 9169	26 / 604	425 / 1097	1 / 23
T.V.S.	495 / 11491	58 / 1346	990 / 2554	11 / 256
		TOTAL SOLIDS		
Final Wt. Tare Wt.	4053 51.3627	9209 52.8988	6345 50.5824	2120 51.1958
PPM	426 1704	271 1084	521 2084	162 648
	20660 - 1950 = 18710 = 90.6 P' T.S.S. % Red.	SET SOLIDS 25 - 8 17 mg/l	3651 - 279 = 3372 = 92.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Kenyon	Dissolved Solids 636	20660 - 279 = 20381 = 98.6
	B.P. Total Solids # Day			

$$23.\overset{76}{\underset{11}{\underline{4665}}} \qquad 21.\overset{75}{\underset{14}{\underline{6461}}}$$

$12.5 \times 2 = 25$

$$22.71\overset{9}{\underset{5}{\underline{54}}} \qquad 21.82\overset{8}{\underset{3}{\underline{25}}}$$

$4 \times 2 = 8$

Flow 2661600
Air Temp. - F° 62°

4.03 1.15

Date 4-21/22-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	82°	D.O. = 3.3	82°
pH	7.4	6.3	7.2	7.2
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 340 227 / 20.7260 21.2143	(25) 36 75 / 22.8727 21.1469	(10) 715 490 / 21.1563 21.6331	(5) 80 52 / 22.5378 22.1649
	80 84	9 6	152 159	2 3
Ave. Wt.	82	7.5	155.5	2.5
Ashed Wt. Original Wt.	94 80 / 0.7260 1.2143	– – / 2.8727 1.1469	623 97 / 1.1563 1.6331	– – / 2.5378 2.1649
	34 37	0	60 66	
Ave. Wt.	35.5		63	0
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	820 / 18213	30 / 666	1555 / 4012	5 / 111
T.F.S.	355 / 7885	– / –	630 / 1625	– / –
T.V.S.	465 / 10328	30 / 666	925 / 2387	5 / 111
	(35)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	544 / 50.7195	379 / 52.8132	7243 / 51.6622	379 / 49.2217
PPM	349 / 1396	247 / 988	621 / 2484	162 / 648
	18213 - 666 = 17547 = 96.0 P' T.S.S. % Red.	SET SOLIDS 7 - 3 = 4 mg/l	4012 - 111 = 3901 = 97.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 643	18213 - 111 = 18102 = 99.4
	B.P. Total Solids # Day	Kenyon		

$20.37\overset{21}{\underline{18}}_{3}$ $23.82\overset{71}{\underline{67}}_{4}$

$3.5 \times 2 = 7$

$22.78\overset{2}{\underline{21}}_{1}$ $21.16\overset{51}{\underline{49}}_{2}$

$1.5 \times 2 = 3$

Flow 2 71 4 100
Air Temp. - F° 69°

4.03 1.15

Date 4 20/21 85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		93°	D.O. = 3.0	91° (84)
pH			6.89	7.19
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			323 255 32.8169 21.7109	79 78 21.6885 23.8104
Ave. Wt.			154 146 150	— - 0
Ashed Wt. Original Wt.			234 68 22.8169 21.7109	21.6885 23.8104
Ave. Wt.			65 69 62	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.			1500 3870	0 0
T.F.S.			620 160	0 0
T.V.S.			880 3710	0 0
		TOTAL SOLIDS		
Final Wt. Tare Wt.			889 51.1176	221 52.7061
PPM			713 2852	166 664
	P' T.S.S. % Red.	SET SOLIDS 10 10 0 mg/l	3870 0 3870 = 100 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Hartman	Dissolved Solids 664	
	B.P. Total Solids # Day			

S.I. 20.0747 21.4466

2 8

5

S.II. 23.4203 23.5115

4 6

5

Flow 2844000
Air Temp. - F° 50°

4.03 1.15

Date 4.17/20.85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		92°	D.O. = 2.6	91° (84) calf
pH			6.77	7.03
Turbidity JTU			COMPOSITE	GRAB
Filtered Wt. Original Wt.			6028 695 21.7872 22.6519	24 02 21.8321 21.6679
Ave. Wt.			156 174 166	3 5 3
Ashed Wt. Original Wt.			940 92 21.7872 22.6519	17 01 21.8321 21.6679
Ave. Wt.			08 73 71	- 1 1
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.			1660 4283	6 142
T.F.S.			710 1832	2 47
T.V.S.			950 2451	4 95
		TOTAL SOLIDS		
Final Wt. Tare Wt.			4616 55.3990	501 52.0328
PPM			626 (2504)	173 (692)
	P' T.S.S. % Red.	SET SOLIDS 2 0 2 mg/l	4283 - 142 4141 = 96.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Haitman	Dissolved Solids (686)	
	B.P. Total Solids # Day			* Secondary Sampler was off

							DS
				0	22.9075	0	
						0	IS
				0	21.5402	-	
				0			
				1			
				0	1998	22.22	
						1	
				1	1909	20.8909	
						10	

Flow 2796900
Air Temp. - F° 68°

4.03 1.15

Date 4-18/19-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	80°	D.O. = 3.0	80°
pH	7.4	6.9	7.1	7.1
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. (10)	342 / 22.1265	9 / 21.4264	622 / 22.5452	21 / 23.2218
Original Wt.	936 / 21.2852	21 / 22.8713	478 / 21.8316	7 / 22.3775
	77	5	170	3
	84	8	162	2
Ave. Wt.	80.5	6.5	166	2.5
Ashed Wt. Original Wt.	88 / 2.1265	– / 1.4264	508 / 2.5452	– / 3.2218
	80 / 1.2852	5 / 2.8713	73 / 1.8316	– / 2.3775
	23	0	56	
	28	2	57	
Ave. Wt.	25.5	1	56.5	0
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	805 / 18821	26 / 608	1660 / 4283	5 / 117
T.F.S.	255 / 5962	4 / 94	565 / 1458	–
T.V.S.	550 / 12859	22 / 514	1095 / 2825	5 / 117
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	976	724	927	428
Tare Wt.	53.6487	50.1486	49.4326	51.6268
	489	238	601	160
PPM	1956	952	2404	640
	18821 - 608 = 18213 = 96.8	SET SOLIDS	4283 - 117 = 4166 = 97.3	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 635	18821 - 117 = 18704 = 99.4%
	B.P. Total Solids # Day	Yeager		

Hardness as [illegible] 323 [illegible]

$$22.7\overset{7}{\underset{4}{\underline{743}}} \qquad 20.23\overset{2}{\underset{2}{\underline{60}}}$$

$$3 \times 2 = 6$$

$$22.24\overset{-}{\underline{28}} \qquad 22.16\overset{-}{\underline{79}}$$

$$0$$

Flow 2911100
Air Temp. - F° 63°

4.03 1.15

Date 4-17/18-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	80°	D.O. = 2.9	80°
pH	7.3	68°	7.1	7.1
Turbidity JTU	Grab (10)	Grab (35)	Composite (10)	Composite (35)
Filtered Wt. Original Wt.	231 / 22.1165 — 93 / 22.8219	27 / 21.8616 — 83 / 21.1472	826 / 23.6676 — 322 / 22.7166	9 / 22.3800 — 73 / 21.3664
	66 — 74	11 — 11	150 — 156	9 — 9
Ave. Wt.	70	11	153	9
Ashed Wt. Original Wt.	2.1165 — 2.8219	9 / 1.8616 — 5 / 1.1472	725 / 3.6676 — 216 / 2.7166	1 / 2.3800 — — / 1.3664
	29 — 34	3 — 3	49 — 50	1 — 0
Ave. Wt.	31.5	3	49.5	.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	700 / 17009	44 / 1069	1530 / 3947	18 / 437
T.F.S.	315 / 7654	12 / 292	495 / 1277	1 / 24
T.V.S.	385 / 9355	32 / 777	1035 / 2670	17 / 413
	(25)	TOTAL SOLIDS (35)	(35)	(35)
Final Wt. Tare Wt.	879 / 51.6389	~~522~~ / 50.8274	52.0054 / 51.9492	7031 / 48.6853
PPM	490 / 1960	248 / 2088	562 / 2248	178 / 712
	17009 − 1069 = 15940 : 93.7	SET SOLIDS	3947 − 437 = 3510 : 88.9	Overall % Red.
	P' T.S.S. % Red.	12 − 2 = 10 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	Kenyon	Dissolved Solids 694	17009 − 437 = 16572 : 97.4
	B.P. Total Solids # Day			

$$21.4454 \quad (9) \qquad 20.8325 \quad (32)$$

$$5 \qquad\qquad 7$$

$$6 \times 2 = 12$$

$$23.1428 \quad (30) \qquad 21.4532$$

$$2 \qquad\qquad 0$$

$$1 \times 2 = 2$$

Flow 2872200 4.03 1.15 Date 4-16/17-85

Air Temp. - F° 30°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	82°	79°	D.O. = 3.0	79°
pH	7.4	6.9	7.1	7.1
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (25)
Filtered Wt. Original Wt.	622 95 21.5544 22.5128	500 75 23.5492 20.7163	702 653 22.6517 21.6460	72 65 22.9068 23.4661
	78 67	8 12	185 193	4 4
Ave. Wt.	72.5	10	189	4
Ashed Wt. Original Wt.	81 54 1.5544 2.5128	4 7 3.5492 0.7163	75 519 2.6517 1.6460	– – 2.9068 3.4661
	37 26	2 4	58 59	
Ave. Wt.	31.5	3	58.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	725 17374	40 959	1890 4876	8 192
T.F.S.	315 7549	12 288	585 1509	– –
T.V.S.	410 9825	28 671	1305 3367	8 192
	(25)	TOTAL SOLIDS (24)	(25)	(25)
Final Wt. Tare Wt.	1123 51.0639	4001 51.3742	982 52.0331	505 49.4314
PPM	484 1936	259 1036	651 2604	191 764
	17374 -959 16415 : 94.5	SET SOLIDS 9 0 9 mg/l	4876 -192 4684 : 96.1	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 756	17374 -192 17182 : 98.9
	B.P. Total Solids # Day	Kenyon		

22.7382^{7}_{5} 22.1565^{9}_{4}

$4.5 \times 2 = 9$

22.5375 23.9411

0

Flow 2646300
Air Temp. - F° 50°

4.03 1.15

Date 4-15/16-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	80°	D.O. = 2.0	80°
pH	7.4	6.8	7.1	7.1
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 67 / 21.6408 — 82 / 22.2219	(25) 44 / 21.6235 — 31 / 23.7324	(10) 648 / 22.5450 — 809.5 / 21.7870	(5) 63 / 23.8156 — 8 / 21.8322
	59 — 63	9 — 7	198 — 225	7 — 6
Ave. Wt.	61	8	211.5	6.5
Ashed Wt. Original Wt.	30 / 1.6408 — 47 / 2.2219	8 / 1.6235 — 5 / 3.7324	515 / 2.5450 — 944 / 1.7870	8 / 3.8156 — – / 1.8322
	22 — 28	3 — 1	65 — 74	2 — 0
Ave. Wt.	25	2	69.5	1
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	610 / 13498	32 / 708	2115 / 5457	13 / 288
T.F.S.	250 / 5532	8 / 177	695 / 1793	2 / 44
T.V.S.	360 / 7966	24 / 531	1420 / 3664	11 / 244
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	2003 / 51.1624	361 / 52.6118	751 / 52.7066	233 / 49.6040
	379	243	685	193
PPM	1516	972	2740	772
	13498 - 708 = 12790 P' T.S.S. % Red.	SET SOLIDS 14 - 0 = 14 mg/l	5457 - 288 = 5169 = 94.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 759	13498 - 288 = 13210 = 97.9
	B.P. Total Solids # Day	Y Genyon		

$$21.52\overset{54}{\underset{7}{47}}$$

$$21.29\overset{20}{\underset{7}{13}}$$

$7 \times 2 = 14$

21.5567

21.7446

0

Flow 2780300
Air Temp. - F° 53°

4.03 (1.15)

Date 4-14/15-85

Sample	Before Primary	After Primary	Aeration I Ta.+K	Secondary
Temp. F°	86°	79°	D.O. = 1.6	80°
pH	7.7	6.7	7.6	7.6
Turbidity JTU	Grab (10)	Grab (26°)	Composite (10)	Composite (5)
Filtered Wt. Original Wt.	832 55 22.3786 22.8004	409 702 21.6397 23.6690	367 4066 22.7164 22.3827	70 36 21.3660 23.2229
	46 51	12 12	203 239	10 7
Ave. Wt.	48.5	12	221	8.5
Ashed Wt. Original Wt.	— — 2.3786 2.8004	— — 1.6397 3.6690	243 921 2.7164 2.3827	— — 1.3660 3.2229
			79 94	
Ave. Wt.	0	0	86.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	485 11285	48 1114	2210 5702	17 395
T.F.S.	— —	— —	865 2232	— —
T.V.S.	485 11285	48 1114	1345 3470	17 395
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	6319 50.5976	752 51.9502	988 51.6274	7046 48.6856
PPM	343 1372	250 1000	714 2856	190 760
	11285 - 1114 = 10171 : 90.1 P' T.S.S. % Red.	SET SOLIDS 16 - 3 13 mg/l	5702 - 395 = 5307 = 93.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 743	11285 - 395 = 10890 = 96.5
	B.P. Total Solids # Day	Kenyon		

$$22.7\overset{36}{\underset{8}{\underline{228}}} \qquad 21.6\overset{72}{\underset{8}{\underline{464}}}$$

$$8 \times 2 = 16$$

$$20.8\overset{-}{\underset{0}{918}} \qquad 21.5\overset{3}{\underset{3}{\underline{690}}}$$

$$1.5 \times 2 = 3$$

Flow 2802600

Air Temp. - F° 50°

4.03 1.15

Date 4 - 13/14 - 85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	81°	78°	D.O. = 1.8	78°
pH	7.8	7.2	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	847 521 20.6771 23.1438 76 83	29 98 21.4813 22.3687 16 11	8068 337 21.7852 22.2117 216 220	46 92 20.6238 22.7286 8 6
Ave. Wt.	79.5	13.5	218	7
Ashed Wt. Original Wt.	807 78 0.6771 3.1438 36 40	8 9 1.4813 2.3687 5 2	929 98 1.7852 2.2117 77 81	41 — 0.6238 2.7286 3 0
Ave. Wt.	38	3.5	79	1.5
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	795 18587	54 1263	2180 5624	14 327
T.F.S.	380 8884	14 327	790 2038	3 70
T.V.S.	415 9703	40 936	1390 3586	11 257
Final Wt. Tare Wt.	813 52.3447	TOTAL SOLIDS 870 51.7611	3446 51.2482	641 50.7483
PPM	366 1464	259 1036	964 3856	158 632
	18587 1263 17324 = 93.2 P' T.S.S. % Red.	SET SOLIDS - 17 4 13 mg/l	5624 327 5297 = 94.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Kenyon	Dissolved Solids 618	18587 327 18260 = 98.2
	B.P. Total Solids # Day			

$$23.36\overset{9}{21}\underset{8}{} \qquad 22.56\overset{27}{18}\underset{9}{}$$

$$8.5 \times 2 = 17$$

$$22.50\overset{11}{09}\underset{2}{} \qquad 23.13\overset{8}{26}\underset{2}{}$$

$$2 \times 2 = 4$$

Flow 2817200 4.03 1.15 Date 4-12/13-85

Air Temp. - F° 51°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	82°	78°	D.O. = 1.6	78°
pH	7.7	7.0	7.3	7.3
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Grab ~~Composite~~ (50)
Filtered Wt. Original Wt.	205 124 22.8161 22.9077	74 82 23.4664 21.7870	630 760 22.5413 21.9549	82 9 23.8173 21.4075
Ave. Wt.	44 47 45.5	10 12 11	217 211 214	9 4 6.5
Ashed Wt. Original Wt.	83 98 2.8161 2.9077	5 3 3.4664 1.7870	91 627 2.5413 1.9549	5 - 3.8173 1.4075
Ave. Wt.	22 21 21.5	1 3 2	78 78 78	2 0 1
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	45.5 / 10714	44 / 1036	2140 / 5521	13 / 306
T.F.S.	215 / 5063	8 / 188	780 / 2012	2 / 47
T.V.S.	240 / 5651	36 / 848	1360 / 3509	11 / 259
Final Wt. Tare Wt.	(25) 6108 50.5817	TOTAL SOLIDS (25) 280 49.6034	(25) 4977 55.3990	(26) 503 52.0341
PPM	291 1164	246 984	987 3948	162 648
	10714 - 1036 = 9678 : 90.3 P' T.S.S. % Red.	SET SOLIDS - 13 3 10 mg/l	5521 - 306 = 5215 : 94.5 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Kenyon	Dissolved Solids 635	10714 - 306 = 10408 : 97.1
	B.P. Total Solids # Day			

$23.9\overset{205}{\underset{6}{199}}$ $\qquad$ $20.6\overset{74}{\underset{7}{367}}$

$6.5 \times 2 = 13$

$22.25\overset{8}{\underset{1}{37}}$ $\qquad$ $21.83\overset{9}{\underset{2}{47}}$

$1.5 \times 2 = 3$

Flow 2851300
Air Temp. - F° 21°

4.03 1.15

Date 4-8/9-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	80°	72°	D.O. = 4.0	72°
pH	8.6	7.9	8.3	8.3
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 78 519 21.6404 21.6464 74 55	(25) 9 41 21.7011 23.2233 8 8	(10) 541 358 21.8319 22.4125 222 233	(50) 15 6 22.6509 21.7102 6 4
Ave. Wt.	64.5	8	227.5	5
Ashed Wt. Original Wt.	5 6 1.6404 1.6464 1 2	- 4 1.7011 3.2233 0 1	41 99 1.8319 2.4125 72 72	11 - 2.6509 1.7102 2 0
Ave. Wt.	1.2	.5	72	1
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	645 15349	32 762	2275 5870	10 238
T.F.S.	12 286	2 48	720 1858	2 48
T.V.S.	633 15063	30 714	1555 4012	8 190
Final Wt. Tare Wt.	(25) 6515 51.6271	TOTAL SOLIDS (25) 575 49.4324	(25) 52.0408 51.9502	(25) 7051 48.6872
PPM	191 764	251 1004	906 3624	179 716
	15439 - 762 = 14677 = 57.7 P' T.S.S. % Red.	SET SOLIDS - 8 0 8 mg/l	5870 - 238 = 5632 = 95.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 706	15439 - 238 = 15201 = 98.5
	B.P. Total Solids # Day	T Genyon		

$$23.66\overset{84}{\underset{5}{\overline{79}}} \qquad 21.36\overset{5}{\underset{3}{\overline{72}}}$$

$$4 \times 2 = 8$$

$$21.7229 \qquad 21.305\overline{7}$$

$$0$$

Flow 1670200 3.21 1.15 Date 4-7/8-85

Air Temp. - F° 21°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°			D.O. =	
pH				
Turbidity JTU				
Filtered Wt. Original Wt.		Mill Down 24 Hrs.		
Ave. Wt.		Easter		
Ashed Wt. Original Wt.				
Ave. Wt.				
Solids	PPM #/day	PPM #/day	PPM	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.
			Dissolved Solids	JTU
	P' JTU % Red.			
	B.P. Total Solids # Day			

Flow 2618000
Air Temp. - F° 23°

4.03 1.15

Date 4-9/10-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	81°	73°	D.O. = 4.2	73°
pH	8.2	7.5	8.3	8.3
Turbidity JTU	Grab (1a)	Grab (1a)	Composite (1a)	Composite (5a)
Filtered Wt. Original Wt.	57 / 20.0716; 39 / 22.8001	64 / 22.5448; 53 / 22.7238	4027 / 21.3790; 555 / 22.1310	83 / 21.4074; 79 / 22.7169
	41; 38	16; 15	237; 245	9; 10
Ave. Wt.	39.5	15.5	241	9.5
Ashed Wt. Original Wt.	30 / 0.0716; 11 / 2.8001	53 / 2.5448; 42 / 2.7238	866 / 2.3790; 90 / 2.1310	9 / 1.4074; – / 2.7169
	14; 10	5; 4	76; 80	5; 0
Ave. Wt.	12	4.5	78	2.5
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	395 / 8641	62 / 1356	2410 / 6218	19 / 416
T.F.S.	120 / 2625	18 / 394	780 / 2012	5 / 109
T.V.S.	275 / 6016	44 / 962	1630 / 4206	14 / 307
	(2s)	TOTAL SOLIDS (2s)	(2s)	(2s)
Final Wt. Tare Wt.	381; 52.7062	1380; 54.4096	4928; 52.3997	8121; 53.7947
PPM	319; 1276	3284; 1136	931; 3724	174; 696
	8641 − 1356 = 7285 = 84.3 P' T.S.S. % Red.	SET SOLIDS 6 − 0 = 6 mg/l	6218 − 416 = 5802 = 93.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 677	8641 − 416 = 8225 = 95.2
	B.P. Total Solids # Day	Y Kenyon		

21. 955$\overset{6}{\underset{3}{\underline{3}}}$

23. 8$\overset{71}{\underset{3}{\underline{168}}}$

3 X 2 = 6

22. 1864

22. 9415

0

Flow 2700500

Air Temp. - F° 41°

4.03 1.15

Date 4-19/11-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	82°	72°	D.O. = 3.0	72°
pH	7.9	7.5	7.7	7.7
Turbidity JTU	Grab (18)	Grab (35)	Composite (10)	Composite (9)
Filtered Wt. Original Wt.	93 508 21.7437 21.9448 56 60	61 27 21.5247 21.2913 18 14	449 465 21.8208 22.2219 241 246	67 37 21.6257 23.9526 10 11
Ave. Wt.	58	16	243.6	10.5
Ashed Wt. Original Wt.	54 66 1.7437 1.9448 17 18	53 5 1.5247 1.2913 6 2	87 301 1.8208 2.2219 79 82	8 8 1.6257 3.9526 1 2
Ave. Wt.	17.5	4	80.5	1.5
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	580 / 13076	64 / 1443	2436 / 6285	21 / 473
T.F.S.	175 / 3945	16 / 361	805 / 2077	3 / 68
T.V.S.	405 / 9131	48 / 1082	1631 / 4208	18 / 405
	(24)	TOTAL SOLIDS (24)	(25)	(25)
Final Wt. Tare Wt.	9173 51.8738	918 51.1622	7040 52.6113	717 51.1535
PPM	435 1740	296 1184	927 3708	182 728
	13076 -1443 11633 = 89.0 P' T.S.S. % Red.	SET SOLIDS 10 1 9 mg/l	6285 -473 5812 = 92.5 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 707	13076 -473 12603 = 96.4
	B.P. Total Solids # Day	Y Benezon		

$22.\ 7311^{5}_{4}$ $\qquad$ $21.\ 8635^{41}_{6}$

$5 \times 2 = 10$

$21.\ 9236^{-}_{0}$ $\qquad$ $21.\ 4281^{2}_{1}$

$.5 \times 2 = 1$

Flow 2704000
Air Temp. - F° 46°

4.03 1.15

Date 4-11/12-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	78°	D.O. = 1.8	78°
pH	7.7	7.2	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 904 132 20.0724 21.7009	(25) 40 58 23.5125 22.5443	(10) 754 334 22.6519 21.7090	(35) 21 80 22.1305 21.4065
	180 123	15 15	235 244	16 15
Ave. Wt.	151.5	15	239.5	15.5
Ashed Wt. Original Wt.	837 82 0.0724 1.7009	8 7 3.5125 2.5443	94 165 2.6519 1.7090	7 — 2.1305 1.4065
	113 73	3 3	75 75	2 0
Ave. Wt.	93	3		1
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	1515 / 34156	60 / 1353	2395 / 6179	31 / 699
T.F.S.	930 / 20967	12 / 271	750 / 1935	2 / 45
T.V.S.	585 / 13189	48 / 1082	1645 / 4244	29 / 654
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	9648 53.8891	2239 51.1943	5294 49.4302	353 51.1168
PPM	757 3028	296 1184	992 3968	185 740
	34156 - 1353 = 32803 : 96.0 P' T.S.S. % Red.	SET SOLIDS 18 - 6 = 12 mg/l	6179 - 699 = 5480 : 88.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 709	34156 - 699 = 33457 : 98.0
	B.P. Total Solids # Day	Kenyon		

$21.8\overset{24}{\underset{10}{\underline{314}}}$ $\qquad$ $22.4\overset{8}{\underset{8}{\underline{20}}}$

$9 \times 2 = 18$

$21.18\overset{7}{\underset{4}{\underline{16}}}$ $\qquad$ $22.54\overset{6}{\underset{2}{\underline{54}}}$

$3 \times 2 = 6$

Flow 3010600
Air Temp. - F° 41°

4.03 1.15

Date 4-4/5-85

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	80°	76°	D.O.= 1.6	76°
pH	8.2	7.6	8.1	8.1
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 102 62 22.9069 22.7229	(25) 44 8 22.7133 23.6662	(10) 8169 690 22.7989 22.6504	(50) 35 87 21.8321 21.7075
	33 33	11 6	180 186	14 12
Ave. Wt.	33	8.5	183	13
Ashed Wt. Original Wt.	81 43 2.9069 2.7229	9 3 2.7133 3.6662	8050 68 2.7989 2.6504	6 - 1.8321 1.7075
	12 14	6 1	61 64	5 0
Ave. Wt.	13	3.5	62.5	2.5
Solids	PPM #/day	PPM #/day	PPM X2.58	PPM #/day
T.S.S.	330 8294	34 855	1830 4721	26 653
T.F.S.	130 3267	14 352	625 1613	5 126
T.V.S.	200 5027	20 503	1205 3108	21 527
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	2274 51.1954	9158 53.8901	7532 48.6860	556 52.0349
PPM	320 1280	257 1028	672 2688	207 828
	8294 - 855 = 7439 = 90.0	SET SOLIDS	4721 - 653 = 4068 = 86.2	Overall % Red.
	P' T.S.S. % Red.	- 12 2 10 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 802	~~JTU~~ 8294 - 653 = 7641 = 92.1
	B.P. Total Solids # Day	Kenyon		

$$21.6\overset{90}{985}\underset{5}{}$$

$$21.4\overset{64}{057}\underset{7}{}$$

$$6 \times 2 = 12$$

$$23.1\overset{70}{768}\underset{2}{}$$

$$22.8\overset{-}{964}\underset{0}{}$$

$$1 \times 2 = 2$$

Flow 2746700 4.03 1.15 Date 4-3/4-85
Air Temp. - F° 37°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	80°	76°	D.O. = 2.8	76°
pH	8.4	7.7	8.2	8.2
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	403 473 22.1314 21.6379	79 82 22.6264 23.8171	651 389 22.5432 22.8157	25 9 22.4115 22.3782
	89 94	15 11	219 232	10 7
Ave. Wt.	91.5	13	225.5	8.5
Ashed Wt. Original Wt.	60 431 2.1314 1.6379	72 7 2.6264 3.8171	513 241 2.5432 2.8157	9 — 2.4115 2.3782
	46 52	8 6	81 84	4 0
Ave. Wt.	49	7	82.5	2
Solids	PPM #/day	PPM #/day	PPM X2.58	PPM #/day
T.S.S.	915 21011	52 1194	2255 5818	17 390
T.F.S.	490 11252	28 643	825 2129	8 184
T.V.S.	425 9759	24 551	1430 3689	9 206
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	6398 50.5978	514 51.6276	5112 49.4326	671 51.9501
PPM	420 1680	238 952	786 3144	170 680
	21011 -1194 19817: 94.3 P' T.S.S. % Red.	SET SOLIDS 17 - 4 13 mg/l	5818 -390 5428: 93.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 663	JTU 21011 -390 20621: 98.1
	B.P. Total Solids # Day	Y Genyon		

$$21.6\overset{75}{\underset{10}{\underline{465}}} \qquad 21.9\overset{63}{\underset{7}{\underline{556}}}$$

$$8.5 \times 2 = 17$$

$$22.52\overset{2}{\underset{1}{\underline{41}}} \qquad 22.6\overset{30}{\underset{3}{\underline{427}}}$$

$$2 \times 2 = 4$$

Flow 2761800 403 1.15 Date 4-23-85

Air Temp. - F° 40°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	78°	76°	D.O. = 3.6	76°
pH	8.3	7.5	8.0	8.0
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 316 / 23.2210 106 ; 266 / 22.7155 111	(25) 413 / 22.5396 17 ; 70 / 21.7857 13	(10) 871 / 23.4658 213 ; 920 / 20.0705 215	(20) 807 / 22.3799 8 ; 63 / 21.3656 7
Ave. Wt.	108.5	15	214	7.5
Ashed Wt. Original Wt.	87 / 3.2210 77 ; 235 / 2.7155 80	409 / 2.5396 13 ; 68 / 1.7857 11	729 / 3.4658 71 ; 78 / 0.0705 73	802 / 2.3799 3 ; — / 1.3656 0
Ave. Wt.	78.5	12	72	1.5
Solids	PPM / #/day	PPM / #/day	PPM / x2.58	PPM / #/day
T.S.S.	1085 / 25005	60 / 1383	2140 / 5521	15 / 346
T.F.S.	785 / ~~[illegible]~~ 18071	48 / 1106	720 / 1858	6 / 138
T.V.S.	300 / ~~[illegible]~~	12 / 277	1420 / 3663	9 / 208
	(35) 6914	TOTAL SOLIDS (36)	(28)	(26)
Final Wt. Tare Wt.	4467 / 52.3999	2165 / 51.1951	1110 / 52.0352	9067 / 53.8901
PPM	468 / 1872	214 / 856	758 / 3032	166 / 664
	25005 - 1383 = 23622 : 94.5 P' T.S.S. % Red.	SET SOLIDS 5 - 1 = 4 mg/X	5521 - 346 = 5175 : 93.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 649	JTU 25005 - 346 = 24659 : 98.6
	B.P. Total Solids # Day	K Benyon		

21.4072^{4}_{2} 23.5119^{22}_{3}

$2.5 \times 2 = 5$

20.5271^{-}_{0} 21.4554^{5}_{1}

$15 \times 2 = 1$

Flow 2741500
Air Temp. - F° 30°

403 1.15

Date 4-½-85

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	78°	76°	D.O. = 3.9	76°
pH	8.3	7.8	8.2	8.2
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	95 76 21.7850 22.5428	59 72 21.3642 22.6257	352 409 22.8152 23.2199	400 89 22.5382 21.6372
	45 48	17 15	200 210	18 17
Ave. Wt.	46.5	16	205	18.5
Ashed Wt. Original Wt.	76 51 1.7850 2.5428	53 68 1.3642 2.6257	216 269 2.8152 3.2199	7 3 2.5382 1.6372
	16 23	11 12	64 70	5 1
Ave. Wt.	19.5	11	67	3
Solids	PPM / #/day	PPM / #/day	PPM / X2.58	PPM / #/day
T.S.S.	465 / 10639	64 / 1464	2050 / 5289	37 / 847
T.F.S.	195 / 4461	44 / 1007	670 / 1729	6 / 137
T.V.S.	270 / 6178	20 / 457	1380 / 3560	31 / 710
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	6079 50.5824	4218 52.3999	4806 55.3997	282 54.4094
PPM	255 1020	219 876	809 3236	188 752
	10639 -1464 9175 = 86.2	SET SOLIDS	5289 -847 4442 = 84.0	Overall % Red.
	P' T.S.S. % Red.	16 - 11 5 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 715	10639 -847 9692 = 91.1 %
	B.P. Total Solids # Day	Kenyon		

$$20.0\overset{11}{\underset{7}{\underline{704}}}$$

$$22.\overset{803}{\underset{9}{\underline{3794}}}$$

$8 \times 2 = 16$

$$22.8\overset{22}{\underset{6}{\underline{416}}}$$

$$21.12\overset{64}{\underset{5}{\underline{59}}}$$

$5.5 \times 2 = 11$

Saturday

Flow 2963700 403 1.15 Date 4-5/6-85

Air Temp. - F° 28° SNOW!

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°		89°/103°	D.O. = 2.3	86°/80°
pH			7.13	7.48
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			991 875 22.3783 21.3663	51 93 22.5437 22.6267
Ave. Wt.			208 212 210	14 16 15
Ashed Wt. Original Wt.			819 98 22.3783 21.3663	42 74 22.5437 22.6267
Ave. Wt.			36 35 36	5 7 6
Solids	PPM #/day	PPM #/day	PPM X2.58	PPM #/day
T.S.S.			2100 5418	38 741
T.F.S.			360 929	12 297
T.V.S.			1740 4489	18 444
		TOTAL SOLIDS		
Final Wt. Tare Wt.			1123 52.0352	6168 50.5978
PPM			771 3084	190 760
	P' T.S.S. % Red.	SET SOLIDS	5418 - 741 = 4677 = 86.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	24 - 10 = 14 mg/L	Dissolved Solids 730	JTU
	B.P. Total Solids # Day	Hartman		

S.I. 21.6458 66 12

22.4122 33 11

12

S.II. 21.9590 6 0

21.6380 4 4

5

Easter Sunday

Flow 2914000 4.03 1.15 Date 4-6/7-85

Air Temp. - F° 35'

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°		84°/83°	D.O. = 3.2	87°/81°
pH			7.29	7.36
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			553 / 22.7169 ; 200 / 21.7006	85 / 21.4077 ; 34 / 23.2229
Ave. Wt.			184 / 194 ; 189	8 / 7 ; 8
Ashed Wt. Original Wt.			236 / 22.7169 ; 80 / 21.7006	– / 21.4077 ; 30 / 23.2229
Ave. Wt.			67 / 74 ; 70.5	0 / 1 ; .5
Solids	PPM / #/day	PPM / #/day	PPM 12.58	PPM / #/day
T.S.S.			1890 / 4876	16 / 389
T.F.S.			705 / 1819	1 / 24
T.V.S.			1185 / 3057	15 / 365
		TOTAL SOLIDS		
Final Wt. Tare Wt.			9532 / 53.8876	2077 / 51.1951
PPM			634 / 2541	124 / 504
	P' T.S.S. % Red.	SET SOLIDS	4876 - 389 = 4487 = 92.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	8 - 0 / 8 mg/l	Dissolved Solids 496	JTU
	B.P. Total Solids # Day	Hartman		

S. I. 23.8170 4 22.1315 19

4 4

4

S. II. 20.0728 21 22.8176 4

0