Bench Sheets

1985

Tuna

17947

3

Flow 2618900 4.03 1.15 Date 6-30 7-1-85
Air Temp. - F° 59°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	81°	D.O. = 1.5	81°
pH	7.8	7.2	7.4	7.4
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	87 6049 / 23.9224 23.5981 / 63 68	27 63 / 22.6219 21.2251 / 8 12	77 57 / 22.5728 21.4715 / 49 42	9 5 / 22.8306 20.6581 / 3 4
Ave. Wt.	65.5	10	45.5	3.5
Ashed Wt. Original Wt.	45 6008 / 3.9224 3.5981 / 21 27	20 4 / 2.6219 1.2251 / 1 3	52 36 / 2.5728 1.4715 / 24 21	— — / 2.8306 0.6581
Ave. Wt.	24	2	22.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	655 / 14329	40 / 875	455 / 1174	7 / 153
T.F.S.	240 / 5250	8 / 175	225 / 581	— / —
T.V.S.	404 / 9079	32 / 700	230 / 593	7 / 153
	(35)	TOTAL SOLIDS (26)	(35)	(25)
Final Wt. Tare Wt.	740 / 51.1359	983 / 50.6718	569 / 51.8217	489 / 52.9315
PPM	381 / 1524	265 / 1060	352 / 1408	174 / 696
	14329 - 875 = 13454 : 93.9 P' T.S.S. % Red.	SET SOLIDS — 8 / 0 / 8 mg/L	1174 - 153 = 1021 = 87.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 689	14329 - 153 = 14176 = 99.0
	B.P. Total Solids # Day	Kenyon		

22.4522^{7}_{5} 22.7615^{8}_{3}

$4 \times 2 : 8$

23.8677 21.5642

0

Flow 2008200
Air Temp. - F° 60°

2.03 1.15

Date 6·29/30·85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		95° / 89°	D.O. = 1.4	92° / 86°
pH			7.31	7.43
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			717 / 23.6666 — 844 / 22.6296	45 / 23.5542 — 22.2370 2
Ave. Wt.			41 — 48 — 90	3 — 2 — 3
Ashed Wt. Original Wt.			95 / 23.6666 — 325 / 22.6296	— / 23.5542 — — / 22.2370
Ave. Wt.			29 — 27 — 28	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.			500 / 1290	6 / 135
T.F.S.			280 / 722	— / —
T.V.S.			220 / 568	6 / 135
		TOTAL SOLIDS		
Final Wt. Tare Wt.			533 / 51.1186	199 / 55.4018
PPM			547 / 1308	181 / 724
		SET SOLIDS	1290 - 135 = 1155	Overall % Red. 89.5
	P' T.S.S. % Red.	4 - 0 = 4 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 710	
	B.P. Total Solids # Day	Hartman		

S. I. 21.7000^{2}_{2} 22.0381^{3}_{2}

2

II. 21.8316^{-} 22.3442^{-}

0

Flow 2047400 4.03 1.15 Date 6-28/29-85

Air Temp. - F° 53°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		94 / 88°	D.O. = 1.6	90° / 84°
pH			6.89	7.41
Turbidity JTU			COMPOSITE	GRAB
Filtered Wt. Original Wt.			8169 / 22.7999 — 450 / 22.3883	312 / 22.8490 — 3009 / 23.2484
Ave. Wt.			70 — 67 — 69	22 — 24 — 23
Ashed Wt. Original Wt.			8026 / 22.7999 — 409 / 22.3883	503 / 22.8490 — 96 / 23.2484
Ave. Wt.			26 — 26 — 26	13 — 12 — 13
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.			690 / 1780	28 / 509
T.F.S.			260 / 671	13 / 288
T.V.S.			430 / 1109	10 / 221
		TOTAL SOLIDS		
Final Wt. Tare Wt.			6169 / 50.5807	456 / 51.6277
PPM			362 / 1448	179 / 716
		SET SOLIDS	1780 - 509 = 1271 = 71.4	Overall % Red.
	P' T.S.S. % Red.	14 - 2 = 12 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 693	
	B.P. Total Solids # Day	Hartman		* Sampler Not Working.

S.I. 21.6131 6 5 22.2964 92 8

7

II. 22.7236 6 – 21.4481 2 1

1

Flow 2750800 4.03 1.15 Date 6-27/28-85
Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	80°	D.O. = 1.4	80°
pH	7.7	6.3	7.4	7.4
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Grab (5)
Filtered Wt. Original Wt.	66 22.1302 59 / 45 21.5704 61	97 23.8172 25 / 65 22.7148 17	938 22.9865 73 / 165 22.9077 88	34 23.2226 8 / 70 21.4062 8
Ave. Wt.	60	21	80.5	8
Ashed Wt. Original Wt.	25 2.1307 18 / 21 1.5704 17	82 3.8172 10 / 53 2.7148 5	90 2.9865 25 / 110 2.9077 33	32 3.2226 6 / 5 21.4062 3
Ave. Wt.	17.5	7.5	29	4.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	600 / 13778	84 / 1929	805 / 2077	16 / 367
T.F.S.	175 / 4018	30 / 689	290 / 748	9 / 207
T.V.S.	425 / 9760	54 / 1240	515 / 1329	7 / 160
		TOTAL SOLIDS		
Final Wt. Tare Wt.	404 49.6028	52.0103 51.9830	743 49.4321	366 52.2155
PPM	376 1504	273 1092	422 1688	211 844
	13778 - 1929 = 11849 : 86.0 P' T.S.S. % Red.	SET SOLIDS - 22 11 / 11 mg/L	2077 - 367 = 1710 : 82.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 828	13778 - 367 = 13411 : 97.3
	B.P. Total Solids # Day	Kenyon		

$$23.66\overset{81}{\underset{11}{70}} \qquad 22.62\overset{96}{\underset{11}{85}}$$

$11 \times 2 = 22$

$$22.95\overset{33}{\underset{6}{22}} \qquad 22.68\overset{84}{\underset{5}{79}}$$

$5.5 \times 2 = 11$

Flow 2498600 4.03 1.15 Date 6-26/27-85

Air Temp. - F° 60°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	82°	80°	D.O. = 2.0	80°
pH	7.8	6.2	7.3	7.3
Turbidity JTU	Grab (11)	Grab (25)	Composite (10)	Composite (52)
Filtered Wt. / Original Wt.	227 / 23.8112 / 115; 3092 / 23.2973 / 119	51 / 22.3528 / 23; 22 / 21.1805 / 17	86 / 22.7233 / 53; 61 / 21.7014 / 47	27 / 22.6319 / 8; 204 / 21.1194 / 10
Ave. Wt.	117	20	50	9
Ashed Wt. / Original Wt.	37 / 3.8112 / 25; 3000 / 3.2973 / 27	32 / 2.3528 / 4; 7 / 1.1805 / 2	45 / 2.7233 / 12; 22 / 1.7014 / 8	– / 2.6319; – / 1.1194
Ave. Wt.	26	3	10	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	1170 / 24424	80 / 1670	500 / 1290	18 / 376
T.F.S.	260 / 5428	12 / 251	100 / 258	– / –
T.V.S.	910 / 18996	68 / 1419	400 / 1032	18 / 376
	(28)	TOTAL SOLIDS (26)	(25)	(35)
Final Wt. / Tare Wt.	669 / 50.8165	545 / 54.2246	653 / 51.6289	51.0159 / 50.9965
PPM	504 / 2016	299 / 1196	364 / 1456	194 / 776
	24424 - 1670 = 22754 = 93.2 P' T.S.S. % Red.	SET SOLIDS 21 - 11 = 10 mg/L	1290 - 376 = 914 = 70.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 758	24424 - 376 = 24048 = 98.5
	B.P. Total Solids # Day	Y Genyon		

$21.335\overset{9}{\underline{1}}$ $\quad$ $22.03\overset{91}{\underline{78}}$

8 $\quad$ 13

$10.5 \times 2 = 21$

$22.42\overset{14}{\underline{09}}$ $\quad$ $23.09\overset{81}{\underline{75}}$

5 $\quad$ 6

$5.5 \times 2 = 11$

Flow 2527000 4.03 1.15 Date 6·25/26·85
Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	80°	81° / 82°	D.O. = 7 2.3 AT 11 AM	91° / 86°
pH	8.15°	7.14°	7.12°	7.34
Turbidity JTU	GRAB	GRAB	COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.	11 22.9855 23.2219	26 23.8165 21.4050	10 22.5397 21.8301	100 22.3440 22.6275
Ave. Wt.	174	30	67	22
Ashed Wt. Original Wt.	86 44 22.9855 23.2219	6 - 23.8165 21.4050	411 6 22.5397 21.8301	29 69 22.3440 22.6275
Ave. Wt.	31 25 25	1 0	14 5 10	- - -
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	1241 / 26196	121 / 2535	670 / 1729	22 / 465
T.F.S.	290 / 6715	25 / 528	100 / 258	0 / 0
T.V.S.	960 / 20291	96 / 2007	570 / 1471	22 / 465
Final Wt. Tare Wt.	25 691 51.1177	TOTAL SOLIDS 826 51.9495	25 403 55.4013	25 6009 50.5810
PPM	514 2056	321 1324	399 1660	199 796
	26196 - 2535 23661 = 90.3 P' T.S.S. % Red.	SET SOLIDS 54 44 10 mg/L	1729 - 465 1264 = 73.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 774	26196 - 465 25731 = 98.2
	B.P. Total Solids # Day	Hartman		

S. I. 20.8925 (52, 27) 22.7138 (64, 31)

27

S. II. 22.7156 (76, 20) 21.5693 (717, 24)

27

Flow 2863500 413 1.15 Date 6-24/25-85

Air Temp. - F° 54°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	80°	D.O. = 3.2	80°
pH	8.2	8.0	7.7	7.7
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	429 208 22.3380 22.8149 49 59	23 7 22.6515 23.6664 8 3	8030 132 22.7998 21.7086 32 46	78 310 22.9067 22.1297 11 13
Ave. Wt.	54	5.5	39	12
Ashed Wt. Original Wt.	4 52 2.3380 2.8149 4 3	– – 2.6515 3.6664	9 8 2.7998 1.7086 1 2	– – 2.9067 2.1297
Ave. Wt.	3.5	0	1.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	540 / 12896	22 / 525	390 / 1006	24 / 573
T.F.S.	35 / 836	– / –	15 / 39	– / –
T.V.S.	505 / 12060	22 / 525	375 / 967	24 / 573
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	8018	545	9157	8095
Tare Wt.	50.7666	53.2293	53.8892	53.7961
PPM	352 1408	252 1008	265 1060	134 536
	12896 - 525 = 12371 : 96.0 P' T.S.S. % Red.	SET SOLIDS 18 – 4 14 mg/L	1006 - 573 = 433 : 43.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 512	12896 - 573 = 12323 : 95.6
	B.P. Total Solids # Day	Zeneyer		

$$21.4\overset{92}{\underline{484}}_{8} \qquad 21.4\overset{74}{\underline{064}}_{10}$$

$9 \times 2 = 18$

$$22.8\overset{30}{\underline{328}}_{2} \qquad 22.98\overset{4}{\underline{32}}_{2}$$

$2 \times 2 = 4$

Flow 2343500 4.03 1.15 Date 6-23/24-85

Air Temp. - F°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°			D.O. = 7.1	
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 2444300
Air Temp. - F°

4.03 1.15

Date 6-22/23-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°			D.O. =	
pH				
Turbidity JTU				
Filtered Wt. Original Wt.				
Ave. Wt.		Mill Dowd		
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		
	P' T.S.S. % Red.		S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	_____ mg/L	Dissolved Solids	
	B.P. Total Solids # Day			

Flow 3303200 4.03 1.15 Date 6-21/22-85
Air Temp. - F° 68°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		81°	D.O. = 1.0	81°
pH	No Sample	6.1	7.5	7.5
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (5)
Filtered Wt. Original Wt.	22.1658 21.5237	55 23.7233 22 / 8.11 22.6784 27	611 22.6517 94 / 475 22.3389 86	25 22.1309 16 / 79 21.4069 10
Ave. Wt.		24.5	90	13
Ashed Wt. Original Wt.	2.1658 1.5237	8 3.7233 5 / 92 2.6784 8	41 2.6517 24 / 410 2.3389 21	12 2.1309 3 / 70 1.4069 1
Ave. Wt.		6.5	22.5	2
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.		98 2700	900 2322	26 716
T.F.S.		26 716	225 581	4 110
T.V.S.		72 1984	675 1741	22 606
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	53.8759	8245 50.7952	475 52.4006	219 49.6028
PPM		293 1172	469 1876	191 764
	P' T.S.S. % Red.	SET SOLIDS 31 − 12 = 19 mg/L	2322 − 716 = 1606 = 69.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 738	
	B.P. Total Solids # Day	Kenyon		*all 3 paper mach down 500 A.M.

46

22.6732

14

708

21.3691

17

15.5 X 2 = 31

22

21.5717

5

96

22.4289

7

6 X 2 = 12

Flow 2829200 4.03 1.15 Date 6-20/21-85
Air Temp. - F° 55°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	80°	D.O. = 1.7	80°
pH	8.1	6.2	7.5	7.5
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Grab ~~Composite~~ (50)
Filtered Wt. / Original Wt.	119 / 21.1065 / 54; 84 / 22.8325 / 59	914 / 21.2897 / 17; 42 / 22.8129 / 13	261 / 23.9183 / 78; 106 / 22.8014 / 92	72 / 22.8158 / 15; 24 / 21.4514 / 12
Ave. Wt.	56.5	15	85	13.5
Ashed Wt. / Original Wt.	77 / 1.1065 / 12; 39 / 2.8325 / 14	900 / 1.2897 / 3; 31 / 2.8129 / 2	95 / 3.9183 / 15; 32 / 2.8014 / 18	60 / 2.8158 / 2; - / 1.4514 / 0
Ave. Wt.	13	2.5	16.5	1
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	565 / 13351	60 / 1418	850 / 2193	27 / 638
T.F.S.	130 / 3072	10 / 236	165 / 426	2 / 47
T.V.S.	435 / 10279	50 / 1182	685 / 1767	25 / 591
	(25)	TOTAL SOLIDS (26)	(25)	(25)
Final Wt. / Tare Wt.	51.0345 / 50.9876	3150 / 55.2873	735 / 49.4313	458 / 51.6269
PPM	469 / 1876	277 / 1108	422 / 1688	189 / 756
	13351 - 1418 = 11933 : 89.4 P' T.S.S. % Red.	SET SOLIDS 26 − 4 = 22 mg/L	2193 - 638 = 1555 : 70.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 729	13351 - 638 = 12713 : 95.2
	B.P. Total Solids # Day	Kenyon		

$$22.13\overset{48}{\underset{14}{\underline{34}}} \qquad 22.27\overset{36}{\underset{12}{\underline{24}}}$$

$13 \times 2 = 26$

$$22.16\overset{9}{\underset{1}{\underline{28}}} \qquad 22.29\overset{20}{\underset{3}{\underline{17}}}$$

$2 \times 2 = 4$

Flow 2724500 4.03 1.15 Date 6-19/20-85
Air Temp. - F°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	80°	D.O. = 2.0	80°
pH	8.0	6.5	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 99 23.9627 / 91 22.5924	(25) 42 21.1826 / 909 21.7887	(10) 765 23.6667 / 166 23.9064	(5) 26 23.5109 / 42 22.7226
	72 / 67	16 / 22	98 / 102	17 / 16
Ave. Wt.	69.5	19	100	16.5
Ashed Wt. Original Wt.	55 3.9627 / 45 2.5924	7 1.1826 / 91 1.7887	85 3.6667 / 86 3.9064	– 3.5109 / – 2.7226
	28 / 21	1 / 4	18 / 22	
Ave. Wt.	24.5	2.5	20	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	695 / 15785	76 / 1726	1000 / 2580	33 / 749
T.F.S.	245 / 5564	10 / 227	200 / 516	– / –
T.V.S.	450 / 10221	66 / 1499	800 / 2064	33 / 749
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	8380 48.7856	2152 50.1863	938 51.9494	204 55.4008
PPM	524 2096	289 1156	444 1776	196 784
	15785 - 1726 = 14059 : 89.1 P' T.S.S. % Red.	SET SOLIDS 45 − 11 = 34 mg/L	2580 - 749 = 1831 : 71.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 751	15785 - 749 = 15036 : 95.3
	P.P. Total Solids # Day	Kenyon		

57
21.9535
22

63
22.5440
23

22.5 X 2 = 45

70
22.5164
6

7
21.7392
5

5.5 X 2 = 11

Flow 2722100 4.03 1.15 Date 6-18/19-85

Air Temp. - F° 48°

Sample	Before Primary		After Primary		Aeration I Tank		Secondary	
Temp. F°	87°		81°		D.O. = 1.2		81°	
pH	7.7		6.2		7.2		7.2	
Turbidity JTU	Grab (10)		Grab (25)		Composite (10)		Composite (50)	
Filtered Wt. / Original Wt.	219 / 22.9105	865 / 21.2769	208 / 20.7183	62 / 22.5541	647 / 21.1522	2023 / 22.1894	76 / 22.9849	32 / 22.4106
	114	96	25	21	125	129	27	26
Ave. Wt.	105		23		127		26.5	
Ashed Wt. / Original Wt.	36 / 2.9105	97 / 1.2769	92 / 0.7183	7 / 2.5541	57 / 1.1522	933 / 2.1894	— / 2.9849	— / 2.4106
	31	28	9	6	35	39		
Ave. Wt.	29.5		7		37		0	
Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	1050	23848	92	2090	1270	3277	53	1204
T.F.S.	295	6700	28	636	370	955	—	—
T.V.S.	755	17148	64	1454	900	2322	53	1204
	(25)		TOTAL SOLIDS (25)		(25)		(25)	
Final Wt. / Tare Wt.	3102 / 51.2601		3164 / 55.2782		998 / 50.7483		386 / 51.1180	
PPM	501 / 2004		382 / 1528		515 / 2060		206 / 824	
	23848 - 2090 = 21758 = 91.2		SET SOLIDS		3277 - 1204 = 2073 = 63.3		Overall % Red.	
	P' T.S.S. % Red.		46 - 20 = 26 mg/L		S' T.S.S. % Red.		T.S.S.	
	P' JTU % Red.				Dissolved Solids 771		23848 - 1204 = 22644 = 95.0	
	B.P. Total Solids # Day		Kenyon					

$$21.\ 8\overset{28}{\underset{23}{305}} \qquad\qquad 22.\ 1\overset{320}{\underset{23}{297}}$$

$23 \times 2 = 46$

$$22.\ 8\overset{16}{\underset{9}{007}} \qquad\qquad 21.\ 4\overset{508}{\underset{11}{497}}$$

$10 \times 2 = 20$

MONDAY

Flow 2640900 4.03 1.15 Date 6-17/18-85

Air Temp. - F° 58°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	82°	D.O. = 1.0	82°
pH	7.8	6.1	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(25)	(10)	(50)
Original Wt.	346 797 22.7243 23.6675	97 408 22.9069 22.3380	641 200 22.6513 21.4073	28 203 23.5108 23.9183
	103 122	28 28	128 127	20 20
Ave. Wt.	112.5	28	127.5	20
Ashed Wt.				
Original Wt.	67 701 2.7243 3.6675	82 94 2.9069 2.3380	49 110 2.6513 1.4073	12 — 3.5108 3.9183
	24 26	13 14	36 37	4 0
Ave. Wt.	25	13.5	36.5	2
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1125 24800	112 2469	1275 3290	40 882
T.F.S.	250 5511	54 1190	365 942	4 88
T.V.S.	875 19289	58 1279	910 2348	36 794
	(26)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	51.9993	668	524	374
Tare Wt.	51.9505	49.4322	55.4017	52.2181
PPM	.0488 1952	346 1384	507 2028	193 772
	24800 -2469 2231 = 90.0 P' T.S.S. % Red.	SET SOLIDS 57 - 22 35 mg/L	3290 -882 2408 = 73.2 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 732	24800 -882 23918 = 96.4
	B.P. Total Solids # Day	Kenyon		* System very wet & cloudy

108
21.7080
28

71
22.3442
29

28.5X2:57

28
22.5618
10.

39
23.5927
12

11X2:22

Flow 2725600
Air Temp. - F° 60°

4.03 1.15

Date 6 - 16/17 - 85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	80°	D.O. = 1.0	80°
pH	7.4	6.5	7.2	7.2
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt.	9000 553	97 39	460 263	44 44
Original Wt.	20.8937 21.4485	22.6281 22.5421	21.3343 22.8153	21.9532 22.5436
	63 68	16 18	117 110	12 8
Ave. Wt.	65.5	17	113.5	10
Ashed Wt.	55 505	92 31	80 87	3 —
Original Wt.	0.8937 1.4485	2.6281 2.5421	1.3343 2.8153	1.9532 2.5436
	18 20	11 10	37 34	1 0
Ave. Wt.	19	10.5	35.5	.5

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	655	14931	68	1550	1135	2928	20	456
T.F.S.	190	4331	42	957	355	916	2	46
T.V.S.	465	10600	26	593	780	2012	18	410

	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	769	611	572	4012
Tare Wt.	52.1223	51.6284	52.7075	50.5830
	546	327	497	182
PPM	2184	1308	1988	728

14931 - 1550 = 13381 = 89.6	SET SOLIDS	2928 - 456 = 2472 = 84.4	Overall % Red.
P' T.S.S. % Red.	14 - 1 = 13 mg/L	S' T.S.S. % Red.	T.S.S.
P' JTU % Red.		Dissolved Solids 708	14931 - 456 = 14475 = 97.0
B.P. Total Solids # Day	Yeneyou		

$$22.\overset{92}{\underset{6}{\underline{3386}}} \qquad 23.\overset{96}{\underset{8}{\underline{9188}}}$$

$7 \times 2 = 14$

$$22.356\overset{8}{\underset{1}{\underline{7}}} \qquad 22.39\overset{-}{\underset{0}{\underline{18}}}$$

$.5 \times 2 = 1$

Flow 2666400 4.03 1.15 Date 6-15/16-85

Air Temp. - F° 58°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	79°	D.O. = 1.0	79°
pH	7.6	6.0	7.2	7.2
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 805 275 22.6718 21.5183 87 92	(25) 9 83 21.7461 23.4275 8 8	(10) 393 982 22.8279 22.4863 114 119	(50) 92 62 22.7281 23.7756 11 6
Ave. Wt.	89.5	8	116.5	8.5
Ashed Wt. Original Wt.	54 225 2.6718 1.5183 36 42	2 7 1.7461 3.4275 1 2	317 905 2.8279 2.4863 38 42	4 8 2.7281 3.7756 3 2
Ave. Wt.	39	1.5	40	2.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	895 / 19954	32 / 713	1165 / 3006	17 / 379
T.F.S.	390 / 8695	6 / 134	400 / 1032	5 / 111
T.V.S.	505 / 11259	26 / 579	765 / 1974	12 / 268
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	51.0323 50.9834	4083 53.3802	9253 53.8747	604 50.5438
PPM	489 1956	281 1124	506 2024	166 664
	19954 - 713 = 19241 = 96.4 P' T.S.S. % Red.	SET SOLIDS 17 - 4 = 13 mg/L	3006 - 379 = 2627 = 87.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 647	19954 - 379 = 19575 = 98.1
	B.P. Total Solids # Day	Benzon		

$$22.1332\overset{9}{\underset{7}{}}$$

$$22.2718\overset{28}{\underset{10}{}}$$

$$8.5 \times 2 = 17$$

$$20.3827\overset{8}{\underset{1}{}}$$

$$22.1142\overset{5}{\underset{3}{}}$$

$$2 \times 2 = 4$$

Flow 2706600 | Date 6-14/15-85

Air Temp. - F° 60° | 4.03 | 1.15

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	79°	D.O. = 1.0	79°
pH	7.8	6.2	7.3	7.3
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	420 / 164 21.8336 / 22.9085 84 / 79	90 / 6 21.7880 / 22.1320 10 / 6	180 / 219 21.4080 / 23.5115 100 / 104	18 / 83 21.7109 / 22.3472 9 / 11
Ave. Wt.	81.5	8	102	10
Ashed Wt. Original Wt.	75 / 117 1.8336 / 2.9085 39 / 32	1 / – 1.7880 / 2.1320 1 / 0	115 / 219 1.4080 / 3.5115 35 / 37	10 / 4 1.7109 / 2.3472 1 / 2
Ave. Wt.	35.5	.5	36	1.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	815 / 18442	32 / 724	1020 / 2632	20 / 453
T.F.S.	355 / 8033	2 / 45	360 / 929	3 / 68
T.V.S.	460 / 10409	30 / 679	660 / 1703	17 / 385
	(35)	TOTAL SOLIDS (25)	(25)	(35)
Final Wt. Tare Wt.	755 53.2294	599 49.4323	8166 50.7667	177 52.4004
PPM	461 1844	276 1104	499 1996	173 692
	18442 - 724 = 17718 = 96.1 P' T.S.S. % Red.	SET SOLIDS 16 – 6 = 10 mg/L	2632 - 453 = 2179 = 82.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 672	18442 - 453 = 17989 = 97.5
	B.P. Total Solids # Day	Kenyon		

$22.38\overset{41}{\underline{33}}_{8}$ $\qquad$ $22.6\overset{43}{\underline{535}}_{8}$

$8 \times 2 = 16$

$22.14\overset{6}{\underline{52}}_{4}$ $\qquad$ $22.38\overset{3}{\underline{61}}_{2}$

$3 \times 2 = 6$

Flow 2685000 4.03 1.15 Date 6-13/14-85

Air Temp. - F° 48°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	80°	D.O. = 1.0	80°
pH	7.7	5.7	7.2	7.2
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 224 252 / 22.4426 22.7152	(35) 8 9 / 20.0721 23.6683	(10) 813 370 / 21.5692 22.7239	(50) 69 90 / 22.9857 22.3780
	98 100	7 6	121 131	12 10
Ave. Wt.	99	6.5	126	11
Ashed Wt. Original Wt.	70 99 / 2.4126 2.7152	— — / 0.0721 3.6683	721 77 / 1.5692 2.7239	8 — / 2.9857 2.3780
	44 47		30 38	1 0
Ave. Wt.	45.5	0	34	.5

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	990	22237	26	584	1260	3251	22	494
T.F.S.	455	10220	—	—	340	877	1	22
T.V.S.	535	12017	26	584	920	2374	21	472

	Before Primary	After Primary	Aeration I Tank	Secondary
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	6445 / 50.5972	454 / 52.2183	52.0355 / 51.9831	220 / 49.6024
PPM	473 / 1892	271 / 1084	524 / 2096	196 / 784

22237 - 584 = 21653 · 97.4	SET SOLIDS	3251 - 494 = 2757 : 84.8	Overall % Red.
P' T.S.S. % Red.	16 - 4 = 12 mg/L	S' T.S.S. % Red.	T.S.S.
P' JTU % Red.		Dissolved Solids 762	22237 - 494 = 21743 : 97.8
B.P. Total Solids # Day	Kenyon		

$$21.4\overset{90}{0}8\underset{7}{3} \qquad 22.7\overset{9}{1}7\underset{9}{0}$$

$8 \times 2 = 16$

$$22.3\overset{31}{8}2\underset{2}{9} \qquad 22.8\overset{8}{1}3\underset{2}{6}$$

$2 \times 2 = 4$

Flow 2589600
Air Temp. - F° 45°

4.03 1.15

Date 6-13/13-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	80°	D.O. = 1.4	80°
pH	8.0	6.4	7.2	7.2
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 94 714 / 26.6454 21.3674	(25) 56 92 / 23.2234 22.0375	(10) 311 803 / 23.8169 23.4664	(50) 8005 508 / 22.7996 21.4498
	40 40	22 17	142 139	9 10
Ave. Wt.	40	19.5	140.5	9.5
Ashed Wt. Original Wt.	7 81 / 1.6454 1.3674	7 — / 3.2234 2.0375	205 99 / 3.8169 3.4664	— — / 2.7996 1.4498
	3 7	3 0	36 36	
Ave. Wt.	5	1.5	36	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	400 8651	78 1687	1405 3625	19 411
T.F.S.	50 1081	6 130	360 929	— —
T.V.S.	350 7570	72 1557	1045 2696	19 411
	(45)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	864 / 51.9500	9173 / 53.8894	8526 / 53.7959	173 / 55.4012
PPM	364 / 1456	279 / 1116	567 / 2268	161 / 644
	8651 - 1687 = 6964 = 80.5	SET SOLIDS	3625 - 411 = 3214 = 88.7	Overall % Red.
	P' T.S.S. % Red.	- 20 / 7 / 13 mg/L	S' T.S.S. % Red.	T.S.S.
			Dissolved Solids 625	8651 - 411 = 8240 = 95.2
	P' JTU % Red.			
	B.P. Total Solids # Day	Y Kenyon		

$$21.4\overset{96}{\underset{12}{\underline{484}}}$$

$$23.9\overset{96}{\underset{8}{\underline{188}}}$$

$10 \times 2 = 20$

$$22.486\overset{5}{\underset{4}{\underline{1}}}$$

$$23.75\overset{8}{\underset{3}{\underline{25}}}$$

$3.5 \times 2 = 7$

Flow 2562100 4.03 1.15 Date 6-11/12-85
Air Temp. - F° 48°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	87°	82°	D.O.= 1.4	82°
pH	7.8	6.5	7.3	7.3
Turbidity, JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 78 22.3819 / 79 21.9422	(25) 56 22.5441 / 64 21.9551	(10) 9088 20.8931 / 514 21.3356	(50) 63 22.8151 / 57 22.5044
	59 / 57	15 / 13	157 / 158	12 / 13
Ave. Wt.	58	14	157.5	12.5
Ashed Wt. Original Wt.	45 2.3819 / 43 1.9422	5 2.5441 / 4 1.9551	74 0.8931 / 401 1.3356	2 2.8151 / 5 2.5044
	26 / 21	4 / 3	43 / 45	1 / 1
Ave. Wt.	23.5	3.5	44	1
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	580 / 12398	56 / 1197	1575 / 4064	25 / 534
T.F.S.	235 / 5023	14 / 299	440 / 1135	4 / 86
T.V.S.	345 / 7375	42 / 898	1135 / 2929	21 / 448
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	668 51.9174	6076 50.5826	51.0533 50.9955	284 54.4105
PPM	494 (1976)	250 (1000)	578 (2312)	179 (716)
	12398 - 1197 = 11201 = 90.3 P' T.S.S. % Red.	SET SOLIDS 29 − 10 = 19 mg/L	4064 - 534 = 3530 = 86.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids (691)	12398 - 534 = 11864 = 95.7
	B.P. Total Solids # Day	Kenyon		

400
22.3386
14

61
20.6346
15

14.5X2=29

6
21.7612
4

.35
20.8529
6

5X2=10

Flow 2695600 4.03 1.15 Date 6-10/11-85

Air Temp. - F° 60°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	83°	D.O. = 1.5	83°
pH	8.3	6.5	7.8	7.8
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 252 23.4192 / 400 20.6341	(25) 57 22.5434 / 400 22.3379	(10) 354 23.2218 / 407 22.6270	(50) 60 23.4653 / 9 22.8153
Ave. Wt.	60 / 59 — 59.5	23 / 21 — 22	136 / 137 — 136.5	7 / 6 — 6.5
Ashed Wt. Original Wt.	219 3.9192 / 69 0.6341	44 2.5434 / 86 2.3379	59 3.2218 / 313 2.6270	— 3.4653 / — 2.8153
Ave. Wt.	27 / 28 — 27.5	10 / 7 — 8.5	41 / 43 — 42	0

Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	595	13414	88	1984	1365	3522	13	293
T.F.S.	275	6200	34	767	420	1084	—	—
T.V.S.	320	7214	54	1217	945	2438	13	293

	Before Primary	After Primary	Aeration I Tank	Secondary
		TOTAL SOLIDS		
Final Wt. / Tare Wt.	540 / 52.7067	6093 / 50.5820	51.0495 / 50.9951	188 / 55.4000
PPM	473 / 1892	273 / 1092	544 / 2176	188 / 752
	13414 - 1984 = 11430 = 85.2	SET SOLIDS 18 − 0 = 18 mg/L	3522 - 293 = 3229 = 91.7	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 739	13414 - 293 = 13121 = 97.8
	B.P. Total Solids # Day	Kenyon		

$$21.33\overset{60}{\underline{51}}_{9} \qquad 21.4\overset{91}{\underline{482}}_{9}$$

$$9 \times 2 = 18$$

$$22.5286 \qquad 22.4729$$

$$0$$

Flow 2695600 4.03 1.15 Date 6-10/11-85
Air Temp. - F° 60°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	88°	83°	D.O. = 1.5	83°
pH	8.3	6.5	7.8	7.8
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 252 400 23.4192 20.6341 60 59	(25) 57 400 22.5434 22.3379 23 21	(10) 354 407 23.2218 22.6270 136 137	(50) 60 9 23.4653 22.8153 7 6
Ave. Wt.	59.5	22	136.5	6.5
Ashed Wt. Original Wt.	219 69 3.9192 0.6341 27 28	44 86 2.5434 2.3379 10 7	59 313 3.2218 2.6270 41 43	— — 3.4653 2.8153
Ave. Wt.	27.5	8.5	42	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	595 / 13414	88 / 1984	1365 / 3522	13 / 293
T.F.S.	275 / 6200	34 / 767	420 / 1084	— / —
T.V.S.	320 / 7214	54 / 1217	945 / 2438	13 / 293
		TOTAL SOLIDS		
Final Wt. Tare Wt.	540 52.7067	6093 50.5820	51.0495 50.9951	188 55.4000
PPM	473 1892	273 1092	544 2176	188 752
	13414 - 1984 = 11430 = 85.2	SET SOLIDS	3522 - 293 = 3229 = 91.7	Overall % Red.
	P' T.S.S. % Red.	18 − 0 = 18 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 739	13414 - 293 = 13121 = 97.8
	B.P. Total Solids # Day	Kenyon		

Flow 2145100 4.03 1.15 Date 6-9/10-85

Air Temp. - F° 62°

Sample	Before Primary		After Primary		Aeration I Tank		Secondary	
Temp. F°	84°		80°		D.O. = 2.4		80°	
pH	7.7		6.8		7.4		7.4	
Turbidity JTU	Grab (10)		Grab (22)		Composite (10)		Composite (50)	
Filtered Wt. / Original Wt.	227 / 23.8171	66 / 21.5711	22 / 21.4510	9 / 21.6471	768 / 21.9552	277 / 22.5052	49 / 20.8937	77 / 21.3667
	56	55	12	8	216	225	12	10
Ave. Wt.	55.5		10		220.5		11	
Ashed Wt. / Original Wt.	80 / 3.8171	23 / 1.5711	5 / 1.4510	– / 1.6471	622 / 1.9552	125 / 2.5052	40 / 0.8937	– / 1.3667
	9	12	5	0	70	73	3	0
Ave. Wt.	10.5		2.5		71.5		1.5	
Solids	PPM	#/day	PPM	#/day	PPM	X 2.58	PPM	#/day
T.S.S.	555	9964	40	718	2205	5689	44	790
T.F.S.	105	1885	10	180	715	1845	3	54
T.V.S.	450	8075	30	538	1490	3844	41	736
			TOTAL SOLIDS					
Final Wt. / Tare Wt.	599 / 54.4102		447 / 51.1176		2702 / 51.1950		392 / 52.1209	
PPM	497 / 1988		271 / 1084		752 / 3008		183 / 732	
	9964 - 718 = 9246 = 92.8		SET SOLIDS		5689 - 790 = 4899 = 86.1		Overall % Red.	
	P' T.S.S. % Red.		16 - 2 = 14 mg/L		S' T.S.S. % Red.		T.S.S.	
	P' JTU % Red.		Yzenyon		Dissolved Solids 688		9964 - 790 = 9174 = 92.1	
	B.P. Total Solids # Day							

$$22.0381^{90}_{9} \qquad 22.8026^{33}_{7}$$

$8 \times 2 = 16$

$$23.2619^{20}_{1} \qquad 21.7267^{8}_{1}$$

$1 \times 2 = 2$

Flow 2246300 4.03 1.15 Date 6-8/9-85

Air Temp. - F° 72°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	82°	D.O. = 2.2	82°
pH	7.8	6.0	7.4	7.4
Turbidity JTU	Grab (12)	Grab (25)	Composite (10)	Composite (∞)
Filtered Wt. / Original Wt.	74 / 22.2918 — 87 / 22.7529	33 / 22.5426 — 64 / 23.6553	516 / 21.1389 — 934 / 22.8815	92 / 22.5287 — 70 / 21.2965
	56 — 58	7 — 11	127 — 119	5 — 5
Ave. Wt.	57	9	123	5
Ashed Wt. / Original Wt.	37 / 2.2918 — 51 / 2.7529	— / 2.5426 — 4 / 3.6553	420 / 1.1389 — 51 / 2.8815	— / 2.5287 — — / 1.2965
	19 — 22	0 — 1	31 — 36	
Ave. Wt.	20.5	5	33.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	570 / 10709	36 / 676	1230 / 3173	10 / 188
T.F.S.	205 / 3851	2 / 38	335 / 864	— / —
T.V.S.	365 / 6858	34 / 638	895 / 2309	10 / 188
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	502 / 52.7216	521 / 49.2254	644 / 49.5105	855 / 50.2684
PPM	286 / 1144	267 / 1068	539 / 2156	171 / 684
	10709 - 676 = 10033 = 93.7	SET SOLIDS	3173 - 188 = 2985 = 94.1	Overall % Red.
	P' T.S.S. % Red.	11 − 0 = 11 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 674	10709 - 188 = 10521 = 98.2
	B.P. Total Solids # Day	Kenyon		

$21.26\overset{21}{\underline{15}}_{6}$ $\qquad$ $21.62\overset{52}{\underline{47}}_{5}$

$5.5 \times 2 = 11$

$21.75\overline{84}$ $\qquad$ $22.8\overline{713}$

0

Flow 2817000 4.03 1.15 Date 6-7/8-85

Air Temp. - F° 63°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	81°	D.O. = 2.0	81°
pH	8.3	6.1	7.6	7.6
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 429 / 21.3356 — 748 / 23.6679	(26) 504 / 21.4489 — 39 / 22.4122	(10) 502 / 22.3388 — 275 / 22.8164	(50) 95 / 22.3787 — 76 / 23.4669
	73 — 69	15 — 17	114 — 111	8 — 7
Ave. Wt.	71	16	112.5	7.5
Ashed Wt. Original Wt.	81 / 1.3356 — 97 / 3.6679	91 / 1.4489 — 5 / 2.4122	422 / 2.3388 — 94 / 2.8164	— / 2.3787 — — / 3.4669
	25 — 18	2 — 3	34 — 30	
Ave. Wt.	21.5	2.5	32	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	710 / 16718	64 / 1507	1125 / 2903	15 / 353
T.F.S.	215 / 5063	10 / 235	320 / 826	— / —
T.V.S.	495 / 11655	54 / 1272	805 / 2077	15 / 353
	(26)	TOTAL SOLIDS (28)	(26)	(26)
Final Wt. Tare Wt.	4392 / 55.3998	51.0170 / 50.9955	571 / 52.4001	6002 / 50.5820
PPM	394 / 1576	215 / 860	570 / 2280	182 / 728

16718 - 1507 = 15211 : 91.0	SET SOLIDS	2903 - 353 = 2550 : 87.8	Overall % Red.
P' T.S.S. % Red.	13 − 2 = 11 mg/L	S' T.S.S. % Red.	T.S.S.
P' JTU % Red.	Kenyon	Dissolved Solids 713	16718 - 353 = 16365 = 97.9
B.P. Total Solids # Day			

$23.9\overset{11}{2}04$ $\quad$ $22.9\overset{74}{8}68$

7 $\quad$ 6

$6.5 \times 2 = 13$

$22.57\overset{-}{2}9$ $\quad$ $22.86\overset{4}{5}2$

0 $\quad$ 2

$1 \times 2 = 2$

Flow 3003700 4.03 1.15 Date 6-6/7-85

Air Temp. - F° 58°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	83°	80°	D.O. = 2.0	80°
pH	7.7	6.4	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(25)	(10)	(50)
Original Wt.	38 71 21.7009 22.7247	32 56 23.5120 22.5448	356 405 23.2244 22.6291	74 49 20.6362 20.0736
	29 24	12 8	112 114	12 13
Ave. Wt.	26.5	10	113	12.5
Ashed Wt.				
Original Wt.	11 — 1.7009 2.7247	— — 3.5120 2.5448	74 321 3.2244 2.6291	— — 0.6362 0.0736
	2 0		30 30	
Ave. Wt.	1	0	30	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	265 / 6638	40 / 1002	1130 / 2915	25 / 626
T.F.S.	10 / 251	— / —	300 / 774	— / —
T.V.S.	255 / 6387	40 / 1002	830 / 2141	25 / 626
	(25)	TOTAL SOLIDS (26)	(25)	(25)
Final Wt.	8213	317	569	9083
Tare Wt.	53.7949	49.6033	52.7060	53.8881
PPM	264 1056	284 1136	509 2036	202 808
	6638 -1002 5636 : 84.9 P' T.S.S. % Red.	SET SOLIDS 24 - 5 19 mg/L	2915 -626 2289 : 78.5 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 783	6638 -626 6012 : 90.6
	B.P. Total Solids # Day	Kenyon		

$$22.71\frac{\overset{68}{56}}{12} \qquad 22.54\frac{\overset{40}{28}}{12}$$

$12 \times 2 = 24$

$$22.28\frac{\overset{23}{19}}{4} \qquad 20.48\frac{\overset{9}{58}}{1}$$

$2.5 \times 2 = 5$

Flow 3003700 4.03 1.15 Date 6-6/7-85

Air Temp. - F° 58°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	83°	80°	D.O.= 2.0	80°
pH	7.7	6.4	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt.	(10)	(25)	(10)	(50)
Original Wt.	38 71 21.7009 22.7247 29 24	32 56 23.5120 22.5448 12 8	356 405 23.2244 22.6291 112 114	74 20.6362 20.0[illegible] 12
Ave. Wt.	26.5	10	113	12.5
Ashed Wt.				
Original Wt.	11 — 1.7009 2.7247 2 0	— — 3.5120 2.5448	74 321 3.2244 2.6291 30 30	— — 0.6362 0.07[illegible]
Ave. Wt.	1	0	30	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/d[illegible]
T.S.S.	265 6638	40 1002	1130 2915	25 626
T.F.S.	10 251	— —	300 774	— —
T.V.S.	255 6387	40 1002	830 2141	25 626
	(50 ml)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt.	8213	317	569	9083
Tare Wt.	53.7949	49.6033	52.7060	53.8881
PPM	264 1056	284 1136	509 2036	202 808
	6638 1002 5636 : 84.9	SET SOLIDS	2915 -626 2289 : 78.5	Overall % Red.
	P' T.S.S. % Red.	24 5	S' T.S.S. % Red.	T.S.S.
		19 mg/L	Dissolved Solids	6638 -626 6012 : 90.6
	P' JTU % Red.		783	
	B.P. Total Solids % Day	Kenyon		

$$22.71\overset{68}{\underset{12}{56}} \qquad 22.54\overset{40}{\underset{12}{28}}$$

$12 \times 2 = 24$

$$22.28\overset{23}{\underset{4}{19}} \qquad 20.48\overset{9}{\underset{1}{58}}$$

$2.5 \times 2 = 5$

Flow 2568200
Air Temp. - F° 48°

4.03 1.15

Date 6-5/6-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	79°	D.O.= 2.0	79°
pH	8.2	5.8	7.6	7.6
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 77 22.5044 / 81 20.8951	(25) 6 23.4684 / 10 22.3406	(10) 841 21.5706 / 696 21.9558	(50) 79 23.8167 / 84 23.6674
	33 / 30	2 / 4	135 / 138	12 / 10
Ave. Wt.	31.5	3	136.5	11
Ashed Wt. Original Wt.	6 2.5044 / 2 0.8951	— 3.4684 / — 2.3406	36 1.5706 / 90 1.9558	— 3.8167 / — 3.6674
	2 / 1		30 / 32	
Ave. Wt.	1.5	0	31	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	315 / 6760	12 / 258	1365 / 3522	22 / 472
T.F.S.	15 / 322	— / —	310 / 800	— / —
T.V.S.	300 / 6438	12 / 258	1055 / 2722	22 / 472
		TOTAL SOLIDS		
Final Wt. Tare Wt.	833 51.9494	466 52.1212	729 51.1177	2125 51.1954
PPM	339 1356	254 1016	552 2208	171 684
	6760 - 258 = 6502 : 96.2 P' T.S.S. % Red.	SET SOLIDS 16 − 2 = 14 mg/L	3522 - 472 = 3050 : 86.6 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 662	6760 - 472 = 6288 : 93.0
	B.P. Total Solids # Day	T Kenyon		

85

22.8178

7

92

22.9883

9

8 X 2 = 16

20.2786

0

4

22.5142

2

1 X 2 = 2

Flow 2576500 4.03 1.15 Date 6-4/5-85
Air Temp. - F° 56°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	86°	82°	D.O. = 1.9	82°
pH	7.9	6.9	7.4	7.4
Turbidity JTU	Grab	Grab	Composite	Grab ~~Composite~~
Filtered Wt. Original Wt.	(10) 27 34 22.3800 23.9207	(25) 43 12 22.4134 21.4506	(10) 599 652 21.6460 21.4511	(50) 73 75 21.3359 21.3664
	27 27	9 6	139 141	14 11
Ave. Wt.	27	7.5	140	12.5
Ashed Wt. Original Wt.	2 8 2.3800 3.9207	— — 2.4134 1.4506	91 44 1.6460 1.4511	— — 1.3359 1.3664
	2 1		31 33	
Ave. Wt.	1.5	0	32	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	270 5817	30 646	1400 3612	25 539
T.F.S.	15 323	— —	320 824	— —
T.V.S.	255 5494	30 646	1080 2786	25 539
	(25)	TOTAL SOLIDS (25)	(26)	(26)
Final Wt. Tare Wt.	375 54.4107	913 50.7663	780 52.2188	52.0018 51.9830
PPM	268 1072	250 1000	592 2368	188 752
	5817 - 646 = 5171 : 88.9 P' T.S.S. % Red.	SET SOLIDS 18 - 5 = 13 mg/L	3612 - 539 = 3073 : 85.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 727	5817 - 539 = 5278 : 90.7
	B.P. Total Solids # Day	T Genyon		

$$22.0\overset{94}{\underset{8}{\underline{386}}} \qquad 23.2\overset{41}{\underset{10}{\underline{231}}}$$

$9 \times 2 = 18$

$$22.6\overset{30}{\underset{3}{\underline{227}}} \qquad 23.8\overset{8}{\underset{2}{\underline{136}}}$$

$2.5 \times 2 = 5$

Flow 2583500 4.03 1.15 Date 6-3/4-85
Air Temp. - F° 53°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	85°	79°	D.O.= 2.6	79°
pH	8.1	6.1	7.4	7.4
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. / Original Wt.	72 / 420 21.2128 / 20.7381	43 / 400 22.7436 / 22.8395	367 / 429 22.7238 / 22.6298	6 / 12 20.0722 / 22.5406
	44 / 39	7 / 5	129 / 131	4 / 6
Ave. Wt.	41.5	6	130	5
Ashed Wt. / Original Wt.	44 / 93 1.2128 / 0.7381	8 / – 2.7436 / 2.8395	74 / 333 2.7238 / 2.6298	– / – 0.0722 / 2.5406
	16 / 12	2 / 0	36 / 35	
Ave. Wt.	14	1	35.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	415 / 8940	24 / 517	1300 / 3354	10 / 215
T.F.S.	140 / 3016	4 / 86	355 / 916	– / –
T.V.S.	275 / 5924	20 / 431	945 / 2438	10 / 215
	(25)	TOTAL SOLIDS (85)	(50)	(25)
Final Wt. / Tare Wt.	464 50.1178	492 55.7254	52.0036 51.9489	268 54.4097
PPM	286 1144	238 952	547 2188	171 684
	8940 - 517 = 8423 : 94.2 P' T.S.S. % Red.	SET SOLIDS – 11 0 11 mg/L	3354 - 215 = 3139 = 93.6 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 674	8940 - 215 = 8725 : 97.6
	B.P. Total Solids # Day	Y Genegon		

$23.5\overset{7}{1}1\underset{5}{2}$ $\qquad$ $21.7\overset{13}{0}0\underset{6}{7}$

$5.5 \times 2 = 11$

$23.\overline{5211}$ $\qquad$ $21.\overline{5623}$

0

Flow 2143500
Air Temp. - F° 42°

4.03 1.15

Date 6-23-85

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°	84°	81°	D.O.= 2.6	81°
pH	7.9	6.2	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 457 623 22.3398 21.9567	(25) 80 7 21.3676 21.5701	(10) 602 153 22.5462 22.8006	(50) 8 32 22.6283 20.0728
	59 56	4 6	140 147	5 4
Ave. Wt.	57.5	5	143.5	4.5
Ashed Wt. Original Wt.	425 91 2.3398 1.9567	– 2 1.3676 1.5701	511 58 2.5462 2.8006	– – 2.6283 0.0728
	27 24	0 1	49 52	
Ave. Wt.	25.5	.5	50.5	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	575 10275	20 357	143.5 3702	9 161
T.F.S.	255 4557	2 36	505 1303	– –
T.V.S.	320 5718	18 321	930 2399	9 161
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	8138 50.7661	470 52.1213	52.0415 51.9826	357 51.1177
PPM	477 1908	257 1028	589 2356	180 720
	10275 -357 9918 = 96.5	SET SOLIDS	3702 -161 3541 = 95.7	Overall % Red.
	P' T.S.S. % Red.	– 13 6 7 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 711	10275 -161 10114 = 98.4
	B.P. Total Solids # Day	Yzenyar		

$22.4\overset{9}{1}\underset{6}{33}$ $\qquad$ $22.3\overset{9}{7}\underset{7}{92}$

$6.5 \times 2 = 13$

$20.6\overset{2}{3}\underset{2}{70}$ $\qquad$ $22.7\overset{6}{1}\underset{4}{52}$

$3 \times 2 = 6$

Flow 2594400 4.03 1.15 Date 6/1/2-85
Air Temp. - F° 62°

Sample	Before Primary	After Primary	Aeration I Tank	Secondary
Temp. F°		90° - 84°	D.O. = 1.7	84° - 83°
pH			7.18	7.51
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			436 351 21.4401 23.4203	90 84 21.3359 23.4067
Ave. Wt.			148 148 148	31 17 24
Ashed Wt. Original Wt.			531 46 21.4401 23.4203	60 9 21.3359 23.4067
Ave. Wt.			43 43 43	1 2 1.2
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.			1480 3818	48 1038
T.F.S.			430 1109	3 65
T.V.S.			1050 2709	45 973
		TOTAL SOLIDS		
Final Wt. Tare Wt.			2575 51.1947	478 51.6254
PPM			428 2512	224 896
	P' T.S.S. % Red.	SET SOLIDS 48 - 38 10 mg/L	3818 - 1038 2780 = 72.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 848	
	B.P. Total Solids # Day			

S.I. 22.7244 67 23 22 5411 35 24

24

S II. 22 0300 96 16 20.5937 58 21

19