179185

Bench Sheets

Jan - 1985

059505

Flow
Air Temp. - F° 24°

Date 1-½-85

059506

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°			D.O. =	
pH				
Turbidity JTU				
Filtered Wt. Original Wt.		Mill Starting		
Ave. Wt.				
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		
	P' T.S.S. % Red.		S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids	JTU
	B.P. Total Solids # Day			

Flow 3244900
Air Temp. - F° 12°

4.03 1.15

Date 1[illegible] - 2/3 - 85

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	85°	69°	D.O. = 7.6	69°
pH	8.4	8.0	8.2	8.2
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 324 93 22.6268 22.9540	(25) 402 -84 22.3388 22.0374	(10) 110 9046 21.7004 20.8933	(100) 24 38 23.9201 21.4120
Ave. Wt.	56 53 54.5	14 10 12	106 113 109.5	23 18 20.5
Ashed Wt. Original Wt.	87 55 2.6268 2.9540	– – 2.3388 2.0374	30 65 1.7004 0.8933	– – 3.9201 1.4120
Ave. Wt.	19 15 17	0	26 32 29	0
Solids	PPM / #/day	PPM / #/day	PPM / x 2.58	PPM / #/day
T.S.S.	545 / 14744	48 / 1299	1095 / 2825	20.5 / 555
T.F.S.	170 / 4599	— / —	290 / 748	— / —
T.V.S.	375 / 10145	48 / 1299	805 / 2077	20.5 / 555
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt. Tare Wt.	4652 55.3989	452 52.1202	8629 50.7653	631 52.0334
PPM	~~663~~ (1326)	450 (900)	976 (1952)	297 (594)
	14744 -1299 = 13445 = 91.2	SET SOLIDS	2825 - 555 = 2270 = 80.4	Overall % Red.
	P' T.S.S. % Red.	- 17 7 = 10 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 573.5	[illegible] 14744 - 555 = 14187 = 96.2
	B.P. Total Solids # Day	Yeager		

059507

$$21.5\overset{42}{\underset{10}{\underline{732}}}$$

$$20.0\overset{54}{\underset{7}{\underline{747}}}$$

$8.5 \times 2 = 17$

$$22.952\overset{5}{\underset{3}{\underline{2}}}$$

$$22763\overset{5}{\underset{4}{\underline{1}}}$$

$3.5 \times 2 = 7$

Flow 2245600 3.36 1.15

Air Temp. - F° 12°

Date 1-3/4-85

Sample	Before Primary	After Primary	Aeration Basin- I	Secondary
Temp. F°	84°	69°	D.O.= 6.2	69°
pH	8.3	7.4	7.7	7.7
Turbidity JTU	Composite (10)	Grab (25)	Composite (10)	Composite (400)
Filtered Wt. Original Wt.	737 / 23.4679 — 138 / 21.4085	59 / 22.7149 — 403 / 22.5394	541 / 22.2448 — 664 / 21.4558	87 / 22.5065 — 57 / 22.9840
	58 — 53	10 — 9	93 — 106	22 — 17
Ave. Wt.	55.5	9.5	99.5	19.5
Ashed Wt. Original Wt.	98 / 3.4679 — 103 / 1.4085	— / 2.7149 — 9 / 2.5394	79 / 2.2448 — 95 / 1.4558	72 / 2.5065 — — / 2.9840
	19 — 18	0 — 8	31 — 37	7 — 0
Ave. Wt.	18.5	2.5	34	3.5
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	555 / 10427	38 / 714	925 / 2567	19.5 / 366
T.F.S.	185 / 3476	10 / 188	340 / 877	3.5 / 66
T.V.S.	370 / 6951	28 / 526	655 / 1690	16 / 300
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt. Tare Wt.	6502 / 50.5800	465 / 49.6000	5256 / 49.4297	914 / 51.3598
PPM	70.2 / 1404	465 / 930	959 / 1918	316 / 632
	10427 - 714 = 9713 = 93.2	SET SOLIDS	2567 - 366 = 2201 = 85.7	Overall % Red.
	P' T.S.S. % Red.	- 20 / 1 / 19 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	Yenyosi	Dissolved Solids 612.5	JTU 10427 - 366 = 10061 = 96.5
	B.P. Total Solids # Day			

059508

$$22.\frac{7131}{10}^{41} \qquad 21.\frac{6364}{10}^{74}$$

$10 \times 2 = 20$

$$21.\frac{4403}{1}^{4} \qquad 22.\frac{3726}{0}^{-}$$

$.5 \times 2 = 1$

1st

Flow 2748800 4.03 1.15 Date 1-4/5-85

Air Temp. - F° 30°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	86°	68°	D.O.= 3.7	68°
pH	8.6	8.1	8.3	8.3
Turbidity JTU	Composite (10)	Grab (25)	Composite (10)	Composite (60)
Filtered Wt. Original Wt.	249 / 22.8188 / 61 ; 57 / 21.6503 / 54	84 / 20.6367 / 17 ; 57 / 21.8439 / 18	351 / 22.1290 / 61 ; 771 / 23.6696 / 75	28 / 23.5108 / 19 ; 96 / 21.7078 / 18
Ave. Wt.	57.5	17.5	68	18.5
Ashed Wt. Original Wt.	215 / 2.8188 / 27 ; 25 / 1.6503 / 22	9 / 0.6367 / 2 ; 41 / 1.8439 / 2	319 / 2.1290 / 29 ; 730 / 3.6696 / 34	12 / 3.5108 / 3 ; 9 / 1.7078 / 1
Ave. Wt.	24.5	2	31.5	2
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	575 / 13203	70 / 1607	680 / 1754	18.5 / 425
T.F.S.	245 / 5624	8 / 184	315 / 813	2 / 46
T.V.S.	330 / 7577	62 / 1423	365 / 941	16.5 / 379
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. Tare Wt.	827 / 51.9484	394 / 51.1173	2321 / 51.1951	437 / 53.2282
PPM	343 / (1372)	221 / (884)	370 / (1480)	155 / (620)
	13203 - 1607 = 11596 = 87.8 P' T.S.S. % Red.	SET SOLIDS 15 − 2 = 13 mg/l	1754 - 425 = 1329 = 75.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids (601.5)	JEB 13203 - 425 = 12778 = 96.8
	B.P. Total Solids # Day	Y Jenyon		

059509

ن

$$22.\underset{7}{\overset{26}{\underline{4119}}}$$

$$22.5\underset{8}{\overset{96}{\underline{488}}}$$

$7.5 \times 2 = 15$

$$21.72\underset{0}{\overset{-}{\underline{35}}}$$

$$22.08\underset{2}{\overset{8}{\underline{26}}}$$

$1 \times 2 = 2$

Flow 2763900 403 1.15

Air Temp. - F° 22°

Date 1-5/6-85

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	83°	69°	D.O. = 2.8	69°
pH	8.4	7.9	8.0	8.0
Turbidity JTU	Composite (10)	Grab (25)	Composite (10)	Composite (100)
Filtered Wt. Original Wt.	805 9010 22.4724 22.8921	46 70 22.7331 21.8752	404 4012 22.7326 22.3926	78 33 23.8562 21.4613
Ave. Wt.	81 89 85	15 19 17	78 86 82	16 20 18
Ashed Wt. Original Wt.	54 57 2.4724 2.8921	- 5 2.7331 1.8752	57 61 2.7326 2.3426	4 7 3.8562 1.4613
Ave. Wt.	30 36 33	0 3 1.5	31 35 33	2 4 3
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	850 19589	68 1567	820 2116	18 415
T.F.S.	330 7605	6 138	330 851	3 69
T.V.S.	520 11984	62 1429	490 1265	15 346
Final Wt. Tare Wt.	(25) 9222 51.8829	TOTAL SOLIDS (25) 6069 49.5834	(25) 511 49.1124	(25) 969 50.0806
PPM	393 (1572)	235 (940)	387 (1548)	163 652
	19589 - 1567 = 18022 = 92.0 P' T.S.S. % Red.	SET SOLIDS 15 0 15 mg/l	2116 - 415 = 1701 = 80.4 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 619	JTU 19589 - 415 = 19174 = 97.9
	B.P. Total Solids # Day	T. Gerwyn		

059510

37

22. 2428

9

63

21. 4557

6

7.5 X 2 = 15

22. 7161

21.6235

0

Flow 2741300 4.03 1.15 Date 1-4/7-85
Air Temp. - F° 32°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°	86°	73°	D.O.= .5	73°
pH	8.3	8.0	8.1	8.1
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 584 682 20.0478 21.3589	(25) 35 94 23.1627 21.3081	(10) 633 644 20.0536 22.2552	(100) 63 27 22.7544 21.1805
Ave. Wt.	106 93 99.5	8 13 10.5	97 92 94.5	19 22 20.5
Ashed Wt. Original Wt.	523 633 0.0478 1.3589	— — 3.1627 1.3081	77 90 0.0536 2.2552	8 11 2.7544 1.1805
Ave. Wt.	45 44 44.5	0	41 38 39.5	4 6 5
Solids	PPM / #/day	PPM / #/day	PPM X2.58	PPM / #/day
T.S.S.	995 / 22764	42 / 961	945 / 2438	20.5 / 469
T.F.S.	445 / 10181	— / —	345 / 1019	5 / 114
T.V.S.	550 / 12583	42 / 961	550 / 1419	15.5 / 355
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt. Tare Wt.	4305 52.3412	920 51.9511	1702 49.0917	548 53.8216
PPM	893 1786	409 818	785 1570	332 664
	22764 - 961 = 21803 = 95.8 P' T.S.S. % Red.	SET SOLIDS - 19 3 16 mg/l	2438 - 469 = 1969 = 80.7 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 643.5	JTU 22764 - 469 = 22295 = 97.9
	B.P. Total Solids # Day	Kenyon		

659511

$22.5\overset{24}{2}\underset{8}{\underline{6}}$ $22.7\overset{24}{0}\underset{11}{\underline{13}}$

$9.5 \times 2 = 19$

$21.66\overset{2}{3}\underset{1}{\underline{1}}$ $23.74\overset{9}{5}\underset{2}{\underline{7}}$

$1.5 \times 2 = 3$

Flow 2655100 4.03 1.15 Date 1-7/8-85
Air Temp. - F° 18°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	85°	71°	D.O. = 3.6	71° (72) DNP
pH	8.6	8.0	8.3	8.3 D.N.R.
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. (10) / Original Wt.	341 / 420 22.1293 / 21.6370	70 / 46 22.7154 / 22.2491	336 / 8011 23.8195 / 21.7871	70 / 18 21.4557 / 23.6705
	48 / 50	16 / 15	141 / 140	13 / 13
Ave. Wt.	49	15.5	140.5	13
Ashed Wt. / Original Wt.	312 / 88 2.1293 / 0.6370	8 / — 2.7154 / 2.2491	240 / 915 3.8195 / 1.7871	8 / 6 1.4557 / 3.6705
	19 / 18	4 / 0	45 / 44	1 / 1
Ave. Wt.	18.5	2	44.5	1
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	490 / 10883	62 / 1377	1405 / 3625	26 / 577
T.F.S.	185 / 4109	8 / 178	445 / 1148	1 / 22
T.V.S.	305 / 6774	54 / 1199	960 / 2477	25 / 555
	(56)	TOTAL SOLIDS (52)	(56)	(56)
Final Wt. / Tare Wt.	6495 50.5936	8456 53.7924	7953 48.6827	9265 53.8899
PPM	559 1118	532 1064	1126 2252	366 732
	10883 - 1377 = 9506 = 87.3 P' T.S.S. % Red.	SET SOLIDS 31 − 7 = 24 mg/l	3625 - 577 = 3048 = 84.1 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 706	TSS 10883 - 577 = 10306 = 44.7
	B.P. Total Solids # Day	Jerry		

059512

35

23.5120

15

204

22.8188

16

15.5 X 2 = 31

30

23.4227

3

6

22.1352

4

3.5 X 2 = 7

Flow 2585800 4.03 1.15 Date 1-8/9-85

Air Temp. - F° 17°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	86°	70°	D.O. = 3.4	70°
pH	8.6	8.1	8.3	8.3
Turbidity JTU	(10) Grab	(23) Grab	(60) Composite	(54) Composite
Filtered Wt. / Original Wt.	59 / 21.6507 — 97 / 23.4642	408 / 22.5395 — 65 / 22.9857	817 / 21.3661 — 156 / 22.9049	75 / 21.6365 — 45 / 22.9533
	52 — 55	13 — 8	156 — 107	10 — 12
Ave. Wt.	53.5	10.5	131.5	11
Ashed Wt. / Original Wt.	53 / 1.6507 — 71 / 3.4642	— / 2.5395 — — / 2.9857	708 / 1.3661 — 78 / 2.9049	8 / 1.6365 — 4 / 2.9533
	46 — 29		47 — 29	3 — 1
Ave. Wt.	37.5	0	38	2
Solids	PPM / #/day	PPM / #/day	PPM (x2.58)	PPM / #/day
T.S.S.	535 / 11570	42 / 908	1315 / 3393	22 / 476
T.F.S.	375 / 8110	— / —	380 / 980	4 / 10
T.V.S.	160 / 3460	42 / 908	935 / 2413	18 / 466
	(54)	TOTAL SOLIDS (54)	(54)	(54)
Final Wt. / Tare Wt.	794 / 51.1167	4102 / 51.3610	52.0630 / 51.9481	2295 / 51.1942
PPM	627 / 1254	492 / 984	1149 / 2298	353 / 706
	11570 - 908 = 10662 = 92.2	SET SOLIDS	3393 - 238 = 3155 = 93.0	Overall % Red.
	P' T.S.S. % Red.	24 - 4 = 20 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 695	~~JTU~~ 11570 - 238 = 11332 = 98.0
	B.P. Total Solids # Day	Jensen		

059513

38

22.8027

11

88

21.4475

13

12X2=24

8

21.6145

3

4

22.3825

1

2X2=4

Flow 25 75800 4.03 1.15 Date 1-9/10-85

Air Temp. - F° 17°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	86°	71°	D.O. = 3.8	71°
pH	7.8	8.0	8.1	8.1
Turbidity JTU	Grab (10)	Grab (25)	Composite (10)	Composite (50)
Filtered Wt. Original Wt.	357 / 22.1286 — 80 / 23.5111	510 / 22.5480 — 93 / 22.0367	870 / 21.5710 — 284 / 22.7127	703 / 23.6691 — 72 / 20.6361
	71 — 69	30 — 26	160 — 157	12 — 11
Ave. Wt.	70	28	158.5	11.5
Ashed Wt. Original Wt.	314 / 3.4286 — 36 / 3.5111	8 / 2.5480 — 72 / 2.0367	56 / 1.5710 — 72 / 2.7127	- / 3.6691 — - / 0.6391
	28 — 25	8 — 5	46 — 45	
Ave. Wt.	26.5	6.5	45.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	700 / 15080	112 / 2413	1585 / 4089	23 / 495
T.F.S.	265 / 5709	26 / 560	455 / 1174	— / —
T.V.S.	435 / 9371	86 / 1853	1130 / 2915	23 / 495
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt.	998	7333	-138	8285
Tare Wt.	49.6018	48.6828	50.5937	53.7924
PPM	980	505	1201	361
	1960	1010	2402	722
	15080 - 2413 = 12667 : 84.0	SET SOLIDS 25 - 7 = 18 mg/l	4089 - 495 = 3594 : 87.9	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	Kenyon	Dissolved Solids 699	15080 - 495 = 14585 : 96.7
	B.P. Total Solids # Day			

059514

$$22.\frac{\overset{8011}{7998}}{13} \qquad 22.\frac{\overset{404}{3392}}{12}$$

$12.5 \times 2 = 25$

$$22.\frac{\overset{7}{4713}}{4} \qquad 22.\frac{\overset{7}{1934}}{3}$$

$3.5 \times 2 = 7$

Flow 2596200 4.03 1.15 Date 1-10/11-85

Air Temp. - F° 2°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	85°	71°	D.O. = 3.5	71°
pH	7.8	7.4	7.5	7.5
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 554 / 22.5465; 430 / 20.6349	(25) 94 / 21.6371; 98 / 22.3381	(1.0) 811 / 23.4654; 267 / 22.7125	(50) 103 / 23.5097; 44 / 22.9839
	89; 81	23; 17	157; 142	6; 5
Ave. Wt.	85	20	149.5	5.5
Ashed Wt. Original Wt.	501 / 2.5465; 80 / 0.6349	6 / 1.6371; 4 / 2.3381	97 / 3.4654; 63 / 2.7125	— / 3.5097; — / 2.4839
	36; 31	5; 3	43; 38	
Ave. Wt.	33.5	4	40.5	0
Solids	PPM / #/day	PPM / #/day	PPM (×2.58)	PPM / #/day
T.S.S.	850 / 18454	80 / 1737	1495 / 3857	11 / 239
T.F.S.	335 / 7273	16 / 347	405 / 1045	— / —
T.V.S.	515 / 11181	64 / 1390	1090 / 2812	11 / 239
	(62)	TOTAL SOLIDS (52)	(50)	(53)
Final Wt.	52.0515	4095	2378	2305
Tare Wt.	51.9474	51.3608	51.1166	51.1945
PPM	1041	487	1212	360
	2082	974	2424	720
	18454 - 1737 = 16717 = 90.6	SET SOLIDS	3857 - 239 = 3618 = 93.8	Overall % Red.
	P' T.S.S. % Red.	- 20 / 4	S' T.S.S. % Red.	T.S.S.
		16 mg/l	Dissolved Solids	JTU
			709	18454 - 234 = 18213 = 98.7
	P' JTU % Red.			
	B.P. Total Solids # Day	Y Genejou		

059515

$$21.\overset{73}{\underset{10}{3663}}$$

$$22.12\overset{96}{\underset{10}{86}}$$

$10 \times 2 = 20$

$$22.95\overset{-}{\underset{0}{38}}$$

$$21.57\overset{5}{\underset{4}{31}}$$

$2 \times 2 = 4$

Flow 2674200 4.03 1.5 Date 1/ 11/12-84
Air Temp. - F° 20°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°		80°	D.O. = 4.1	84°
pH			7.3	7.3
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			8219 683 22.7993 22.5392	53 13 21.8433 23.0700
Ave. Wt.			226 441 359	20 13 17
Ashed Wt. Original Wt.			8061 547 22.7993 22.5392	2 101 21.8433 23.0700
Ave. Wt.			68 155 112	6 1 1
Solids	PPM #/day	PPM #/day	PPM x 2.58	PPM #/day
T.S.S.			3590 9262	17 379
T.F.S.			1120 2890	1 22
T.V.S.			2470 6372	16 357
		TOTAL SOLIDS		
Final Wt. Tare Wt.			963 49.4281	9078 53.8891
PPM			682 2728	187 748
		SET SOLIDS	9262 - 379 8883 = 96.0	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	7 - 5 2 mg/l	Dissolved Solids 731	JTU
	B.P. Total Solids # Day			

059516

Set. I	23.0687	22.9058
	1	6
Set. II	21.0508	22.0364
	2	3

Flow 2693200 4.03 1.15 Date 1-12/13-85
Air Temp. - F° 15°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°		69°	D.O. = 4.3	64°
pH			7.2	7.3
Turbidity JTU			COMPOSITE	COMPOSITE
Filtered Wt. Original Wt.			723 987 22.6509 21.7847	68 101 22.7145 22.5083
Ave. Wt.			214 140 177	23 18 21
Ashed Wt. Original Wt.			79 98 22.6509 21.7847	50 5 22.7145 22.5083
Ave. Wt.			70 51 60.5	5 2 3.5
Solids	PPM #/day	PPM #/day	PPM ×2.58	PPM #/day
T.S.S.			1770 4567	21 472
T.F.S.			605 1561	3.5 79
T.V.S.			1165 3006	17.5 393
		TOTAL SOLIDS		
Final Wt. Tare Wt.			864 53.2273	964 50.5778
PPM			531 2124	166 664
		SET SOLIDS	4567 - 472 4095 = 90.0%	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	16 8 16 mg/l	Dissolved Solids 643	JTU
	B.P. Total Solids # Day			

059517

Set. I	21.9060	22.4111
	6	10
Set. II	20.8911	21.9554
	—	—

Flow 2489100 4.03 1.15 Date 1-13/14-85

Air Temp. - F° 26°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	86°	70°	D.O. = 3.9	70°
pH	7.5	7.3	7.3	7.3
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 90 / 20.0722 264 / 22.8196	(25) 75 / 21.4446 26 / 23.9217	(10) 250 / 21.4103 303 / 23.8168	(50) 88 / 22.6272 1008 / 21.6994
	68 68	9 9	147 135	16 14
Ave. Wt.	68	9	141	15
Ashed Wt. Original Wt.	7 / 0.0722 200 / 2.8196	– / 1.4446 – / 3.9217	38 / 1.4103 200 / 3.8168	– / 2.6272 – / 1.6994
	5 4		35 32	
Ave. Wt.	4.5	0	33.5	0
Solids	PPM / #/day	PPM / #/day	PPM / X 2.58	PPM / #/day
T.S.S.	680 / 14138	36 / 748	1410 / 3638	30 / 624
T.F.S.	45 / 936	– / –	335 / 864	– / –
T.V.S.	635 / 13202	36 / 748	1075 / 2774	30 / 624
Final Wt. Tare Wt.	(30) 934 / 52.1210	TOTAL SOLIDS (50) 4426 / 55.3998	(50) 1430 / 52.0358	(50) 8037 / 50.7668
PPM	724 / 1448	438 / 876	1072 / 2144	369 / 738
	14138 - 748 = 13390 = 94.7 P' T.S.S. % Red.	SET SOLIDS – 24 / 2 / 22 mg/l	3638 - 624 = 3014 = 82.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 708	JTU 14138 - 624 = 13514 = 95.6
	B.P. Total Solids # Day	Yeager		

059518

$$21.9565^{77} \qquad 23.2241^{53}$$

$$12$$

$$12 \times 2 = 24$$

$$21.5433^{5} \qquad 21.2152^{-}$$

$$2 \qquad 0$$

$$1 \times 2 = 2$$

Flow 2577800
Air Temp. - F° 15°

4.03 1.15

Date 1-14/15-85

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°	84°	70°	D.O.= 3.5	70°
pH	8.2	7.5	7.8	7.8
Turbidity JTU	Grab	Grab	Composite	Composite
Filtered Wt. Original Wt.	(10) 622 314 / 20.6361 22.5067	(25) 62 706 / 21.7850 23.0695	(10) 620 582 / 22.5470 21.8442	(50) ml 9 13 / 21.3682 22.6503
Ave. Wt.	261 274 / 267.5	12 11 / 11.5	150 140 / 1450	7 10 / 8.5
Ashed Wt. Original Wt.	501 184 / 0.6361 2.5067	— — / 1.7850 3.0695	506 75 / 2.5470 1.8442	— — / 1.3682 2.6503
Ave. Wt.	140 117 / 128.5	0	36 33 / 34.5	0
Solids	PPM / #/day	PPM / #/day	PPM X2.58	PPM / #/day
T.S.S.	2675 / 57628	46 / 991	1450 / 3741	17 / 366
T.F.S.	128.5 / 27683	— / —	345 / 890	— / —
T.V.S.	1390 / 29945	46 / 991	1105 / 2851	17 / 366
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt. Tare Wt.	5979 / 49.4283	6275 / 50.5797	9988 / 53.8888	608 / 53.2276
PPM	1696 / 3342	478 / 956	1100 / 2200	332 / 664
	57628 - 991 = 56637 : 98.3	SET SOLIDS	3741 - 366 = 3375 : 90.2	Overall % Red.
	P' T.S.S. % Red.	29 - 6 = 23 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 647	JTU 57628 - 366 = 57262 . 99.4
	B.P. Total Solids # Day	Y Genyou		

059519

$$22.54\frac{13}{14}^{27} \qquad 21.45\frac{70}{15}^{85}$$

$$14.5 \times 2 = 29$$

$$21.15\frac{43}{3}^{6} \qquad 21.18\frac{52}{3}^{5}$$

$$3 \times 2 = 6$$

Flow 2448200 4.03 1.15 Date 1-15/16-85

Air Temp. - F°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	86°	70°	D.O. = 3.6	70°
pH	7.3	7.0	7.1	7.1
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 121 456 22.7017 21.4360	(25) 25 72 23.5216 22.2258	(10) 948 468 22.4811 21.9337	(100) 60 82 23.1742 22.4563
	104 96	9 14	137 131	18 19
Ave. Wt.	100	11.5	134	18.5
Ashed Wt. Original Wt.	2.7017 1.4360	— 60 3.5216 2.2258	38 69 2.4811 1.9337	— 4 3.1742 2.4563
	42 40	0 2	27 32	0 1
Ave. Wt.	41	1	29.5	.5
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.	1000 20458	46 941	1340 3457	18.5 378
T.F.S.	410 8694	4 82	295 761	.5 10
T.V.S.	590 11762	42 859	1045 2696	18 368
	(50)	TOTAL SOLIDS (5)	(52)	(50)
Final Wt.	9720	731	2205	817
Tare Wt.	50.8456	52.1247	51.1166	51.9480
PPM	1264	484	1039	337
	2528	968	2078	674
	20458 - 941 = 19517 = 95.4	SET SOLIDS	3457 - 378 = 3079 = 89.1	Overall % Red.
	P' T.S.S. % Red.	27 - 3	S' T.S.S. % Red.	T.S.S.
		24 mg/l	Dissolved Solids	~~JTU~~
	P' JTU % Red.		655.5	20458 - 378 = 20080 = 98.2
	B.P. Total Solids # Day	Gerrow		

0595520

$$21.38\overset{65}{\underset{13}{52}}$$

$$21.00\overset{71}{\underset{14}{57}}$$

$$13.5 \times 2 = 27$$

$$22.73\overset{4}{\underset{2}{42}}$$

$$21.93\overset{4}{\underset{1}{13}}$$

$$1.5 \times 2 = 3$$

Flow 25-25300 4.03 1.15 Date 1-16/17-85

Air Temp. - F° 27°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	85°	71°	D.O. = 2.8	71°
pH	7.7	7.1	7.4	7.4
Turbidity JTU	Grab (10)	Grab 25	Grab (60)	Composite (50)
Filtered Wt. Original Wt.	7053 763 21.6981 23.0689	111 95 21.7068 28.8164	707 584 21.9530 22.5401	12 91 21.8301 22.5476
	72 74	43 81	177 183	11 15
Ave. Wt.	73	37	180	13
Ashed Wt. Original Wt.	7000 708 1.6981 3.0689	98 1 1.7068 3.8164	75 47 1.9530 2.5401	295 71 1.8301 2.5476
	19 14	5 —	45 46	— —
Ave. Wt.	19	3	46	0
Solids	PPM #/day	PPM #/day	PPM X2.58	PPM #/day
T.S.S.	730 15422	148 3127	1800 4644	26 549
T.F.S.	190 4014	12 254	460 1187	0 0
T.V.S.	540 11408	136 2873	1340 3457	26 549
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt. Tare Wt.	6139 50.5803	930 52.1202	9000 50.7661	9256 53.8889
PPM	636 1272	628 1256	1339 2678	367 734
	15422 -3127 12295 = 79.7	SET SOLIDS 44 - 10 34 1119	4644 -549 4095 = 88.2	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 708	JTU 15422 -544 14873 = 96.4
	B.P. Total Solids # Day	Kenyon		

0595521

$$22.\overset{39}{\underset{24}{\underline{8015}}}$$

$$23.\ \overset{34}{\underset{20}{\underline{2214}}}$$

$22 \times 2 = 44$

$$21.75\overset{15}{\underset{6}{\underline{09}}}$$

$$21.58\overset{7}{\underset{4}{\underline{03}}}$$

$5 \times 2 = 10$

Flow 2584900 4.03 1.15 Date 1-17/18-85
Air Temp. - F° 19°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°	84°	69°	D.O. = 3.2	69°
pH	7.2	7.9	7.1	7.1
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 302 443 / 23.2214 22.1365	(25) 52 218 / 22.7025 23.1189	(10) 621 685 / 23.8453 21.2512	(50) 74 73 / 22.4262 22.3058
Ave. Wt.	88 78 / 83	27 29 / 28	168 173 / 170.5	12 13 / 13.5
Ashed Wt. Original Wt.	29 77 / 3.2214 2.1365	9 95 / 2.7025 3.1189	97 60 / 3.8453 1.2512	– 60 / 2.4262 2.3058
Ave. Wt.	15 12 / 13.5	4 4 / 5	44 48 / 46	0 2 / 1
Solids	PPM / #/day	PPM / #/day	PPM / x 2.58	PPM / #/day
T.S.S.	830 / 17881	112 / 2413	1705 / 4399	27 / 582
T.F.S.	135 / 2908	20 / 431	460 / 1186	2 / 43
T.V.S.	695 / 14973	92 / 1982	1245 / 3213	25 / 539
	(57)	TOTAL SOLIDS (62)	(56)	(50)
Final Wt. Tare Wt.	5567 / 52.4517	5588 / 53.4991	6.061 / 49.4736	4055 / 50.3684
PPM	1050 / (2100)	597 / (1194)	1325 / (2650)	371 / (742)
	17881 - 2413 = 15468 : 85.5	SET SOLIDS	4399 - 582 = 3817 : 86.8	Overall % Red.
	P' T.S.S. % Red.	47 – 13 = 34 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids (715)	JTU 17881 - 582 = 17299 : 96.7
	B.P. Total Solids # Day	Kenyon		

659522

$$21.20\overset{96}{\underset{21}{\underline{75}}}$$

$$23.8\overset{54}{\underset{26}{\underline{128}}}$$

$$23.5 \times 2 = 47$$

$$22.77\overset{44}{\underset{8}{\underline{36}}}$$

$$21.63\overset{64}{\underset{5}{\underline{59}}}$$

$$6.5 \times 2 = 13$$

10

Flow 2565200 4.03 1.15

Air Temp. - F° 14°

Date 1-18/19-85

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	Door Locked	69°	D.O. = 4.4	69°
pH	No Sample	6.9	7.0	7.0
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 23.6721 22.3406	(25) 91 22.6281 23.9213 27	(10) 225 23.5111 21.6502 667	(50) 75 21.3669 22.6499 505
Ave. Wt.		10 12 14	114 139.5 165	6 6 6
Ashed Wt. Original Wt.	3.6721 2.3406	2 2.6281 3.9213 6	39 3.5111 1.6502 38	- 1.3669 2.6499 -
Ave. Wt.		1 2 3	28 32 36	0
Solids	PPM #/day	PPM #/day	PPM X 2.58	PPM #/day
T.S.S.		48 1030	1395 3599	12 258
T.F.S.		8 171	320 826	— —
T.V.S.		40 859	1075 2773	12 258
Final Wt. Tare Wt.	(25) 50.5954	TOTAL SOLIDS (25) 535 49.4285	(25) 4651 55.3996	(25) 529 52.0344
PPM		250 (1000)	655 (3620)	185 (740)
	P' T.S.S. % Red.	SET SOLIDS 15 - 0 15 mg/l	3599 - 258 3341 = 92.8 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids (728)	~~JTU~~
	B.P. Total Solids # Day	Yzenyon		

059523

$$21.\ 4\overset{71}{0}\underset{8}{\underline{63}}$$

$$23.\ 4\overset{66}{6}\underset{7}{\underline{59}}$$

$7.5 \times 2 = 15$

$$22.0387$$

$$22.7135$$

0

Flow 2711000 4.03 1.15 Date 1 19/20-85

Air Temp. - F° -7

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	84°	69°	D.O. = 4.0	69°
pH	7.8	7.1	7.3	7.3
Turbidity JTU	Grab (10)	Grab (25)	Grab (10)	Composite (50)
Filtered Wt. / Original Wt.	565 / 22.6489 — 261 / 21.5163	34 / 22.4625 — 9 / 22.7180	412 / 22.1277 — 974 / 21.1834	55 / 22.6347 — 17 / 22.3202
	81 — 98	9 — 9	135 — 140	8 — 15
Ave. Wt.	89.5	9	137.5	11.5
Ashed Wt. / Original Wt.	500 / 2.6484 — 87 / 1.5163	— / 2.4625 — — / 2.7180	315 / 2.1277 — 79 / 1.1834	— / 2.6347 — 6 / 2.3202
	16 — 24	38 — 45	0 — 4	
Ave. Wt.	20	0	41.5	2
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	895 — 20253	36 — 815	1375 — 3548	23 — 520
T.F.S.	200 — 4528	— —	415 — 1071	4 — 91
T.V.S.	695 — 15725	36 — 815	960 — 2477	19 — 429
	(25)	TOTAL SOLIDS (25)	(25)	(25)
Final Wt. / Tare Wt.	3152 / 51.2633	727 / 51.5481	901 / 49.0225	4168 / 55.3980
PPM	519 (2076)	246 (984)	676 (2704)	188 (752)
	20253 - 815 = 19438 = 96.0	SET SOLIDS	3548 - 520 = 3028 = 85.3	Overall % Red.
	P' T.S.S. % Red.	18 - 2 = 16 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids (729)	JTU 20253 - 520 = 19733 = 97.4
	B.P. Total Solids # Day	Zenger		

859524

$$20.6\frac{284}{10}^{94}$$

$$23.55\frac{19}{8}^{27}$$

$9 \times 2 = 18$

$$22.6278_{0}$$

$$21.85\frac{72}{2}^{4}$$

$1 \times 2 = 2$

Flow 2604900 4.03 1.15 Date 1-20/21-85

Air Temp. - F° 6°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	78°	68°	D.O. = 4.3	68°
pH	7.7	7.3	7.4	7.4
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 934 638 22.9846 22.9560	(25) 79 41 21.4560 21.8440	(10) 299 965 22.8189 21.7850	(50) 28 8 20.0718 21.4101
	88 78	19 21	110 115	10 7
Ave. Wt.	83	20	112.5	8.5
Ashed Wt. Original Wt.	93 99 2.9846 2.9560	5 5 1.4560 1.8440	220 85 2.8189 1.7850	21 – 0.0718 1.4101
	47 39	5 5	31 35	3 0
Ave. Wt.	43	5	33	1.5
Solids	PPM #/day	PPM #/day	PPM × 2.58	PPM #/day
T.S.S.	830 18019	80 1737	1125 2903	17 369
T.F.S.	430 9335	20 434	330 851	1.5 33
T.V.S.	400 8684	60 1303	795 2052	16.5 336
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt. Tare Wt.	656 49.6044	736 51.1177	2158 52.1209	6153 50.5808
PPM	612 1224	554 1118	949 1898	345 690
	18019 -1737 16282 = P' T.S.S. % Red.	SET SOLIDS - 14 / 1 = 13 mg/l	2903 -369 2534 = 87.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Yerington	Dissolved Solids 6.73	JTU 18019 -369 17650 = 98.0
	B.P. Total Solids # Day			

059525

$$22.55\overset{12}{\underset{6}{\underline{06}}}$$

$$21.83\overset{50}{\underset{8}{\underline{42}}}$$

$$7 \times 2 = 14$$

$$21.13\overset{9}{\underset{1}{\underline{48}}}$$

$$22.89\overset{-}{\underset{0}{\underline{17}}}$$

$$.5 \times 2 = 1$$

Flow 2542600
Air Temp. - F° 20°

4.03 1.15

Date 1-21/22-85

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	78°	69°	D.O. = 4.7	69°
pH	7.7	7.4	7.5	7.5
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 455 / 20.6388 — 91 / 22.7420	(26) 405 / 22.5399 — 82 / 22.1574	(10) 182 / 22.5087 — 550 / 21.4453	(5) 86 / 21.6379 — 33 / 21.9527
	67 — 71	6 — 8	95 — 97	7 — 4
Ave. Wt.	69	7	96	6.5
Ashed Wt. Original Wt.	408 / 0.6388 — 48 / 2.7420	– / 2.5399 — – / 2.1574	118 / 2.5087 — 85 / 1.4453	– / 1.6379 — – / 1.9527
	20 — 28		31 — 32	
Ave. Wt.	24	0	31.5	0
Solids	PPM / #/day	PPM / #/day	PPM X2.58	PPM / #/day
T.S.S.	690 / 14634	28 / 594	960 / 2477	13 / 276
T.F.S.	240 / 5090	– / –	315 / 813	– / –
T.V.S.	450 / 9544	28 / 594	645 / 1664	13 / 276
	(54)	TOTAL SOLIDS (51)	(52)	(50)
Final Wt.	8693	838	2947	828
Tare Wt.	53.7927	53.2275	51.1949	51.9481
PPM	766	563	998	347
	1532	1126	1996	694
	14634 − 594 = 14040 : 96.0 P' T.S.S. % Red.	SET SOLIDS 16 − 0 = 16 mg/l	2477 − 276 = 2201 = 88.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	Yzeiyor	Dissolved Solids 681	JTU 14634 − 276 = 14358 = 98.1
	B.P. Total Solids # Day			

059526

$21.5\overset{53}{\underset{7}{\cancel{746}}}$ $22.9\overset{70}{\underset{9}{\cancel{061}}}$

$8 \times 2 = 16$

$22.\overline{4628}$ $22.\overline{7916}$

0

Flow 2699000 4.03 1.15 Date 1 · 22/23 · 85
Air Temp. - F° 20°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°			D.O.= 3.8	68°
pH				7.4
Turbidity JTU				Composite (60)
Filtered Wt. Original Wt.				23.9240 53 / 13 21.8459 73 / 14
Ave. Wt.				13.5
Ashed Wt. Original Wt.				3.9240 – 1.8459 –
Ave. Wt.				0
Solids	PPM #/day	PPM #/day	PPM	PPM #/day
T.S.S.				27 609
T.F.S.				– –
T.V.S.				27 27
		TOTAL SOLIDS		(25)
Final Wt.				52.0353
Tare Wt.				520
PPM				167 / 668
		SET SOLIDS		Overall % Red.
	P' T.S.S. % Red.	– 22	S' T.S.S. % Red.	T.S.S.
		3 / 19 mg/l	Dissolved Solids 641	JTU
	P' JTU % Red.			
	B.P. Total Solids # Day	Yenyon		

059527

$$22.3\overset{16}{\underset{10}{\underline{406}}} \qquad 23.6\overset{32}{\underset{12}{\underline{720}}}$$

$11 \times 2 = 22$

$$21.8\overset{40}{\underset{3}{\underline{337}}} \qquad 22.9\overset{-}{\underset{0}{\underline{879}}}$$

$1.5 \times 2 = 3$

Flow 2589600 4.03 1.15 Date 1-23/24-85
Air Temp. - F° 22°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	81°	68°	D.O.= 4.0	68°
pH	7.4	7.2	7.3	7.3
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 223 22.7131 587 22.5498	(25) 54 20.0745 82 23.4625	(10) 518 22.0379 478 22.1329	(50) 23 22.6312 94 21.4583
Ave. Wt.	92 89 90.5	9 7 8	139 149 144	11 11 11
Ashed Wt. Original Wt.	61 2.7131 524 2.5498	— 0.0745 — 3.4625	412 2.0379 60 2.1329	— 2.6312 — 1.4583
Ave. Wt.	30 26 28	0	33 31 32	0
Solids	PPM #/day	PPM #/day	PPM K2.58	PPM #/day
T.S.S.	905 19572	32 692	1440 3715	22 476
T.F.S.	280 6055	— —	320 826	— —
T.V.S.	625 13517	32 692	1120 2889	22 476
	(50)	TOTAL SOLIDS (50)	(50)	(50)
Final Wt. Tare Wt.	860 49.6043	6465 50.5945	5427 55.3997	658 49.4295
PPM	817 1634	520 1040	1430 2860	343 726
	19572 - 692 = 18880 = 96.5	SET SOLIDS	3715 - 476 = 3239 = 87.2	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 704	JTU 19572 - 476 = 19096 = 97.6
	B.P. Total Solids # Day	Gerryson		

395528

$$23.\frac{\overset{200}{8194}}{6}$$

$$22.8\frac{\overset{6}{031}}{5}$$

$5.5 \times 2 = 11$

$23.6\overset{-}{6}31$

$20.45\overset{-}{1}6$

0

Flow 2117200 4.03 1.15 Date 1-24/25-85
Air Temp. - F° 18°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°	79°	76°	D.O. = 2.0	76°
pH	7.4	7.0	7.3	7.3
Turbidity JTU	GRAB	GRAB	GRAB	COMPOSITE
Filtered Wt.	10	25	10	
Original Wt.	63 74 22.4115 20.8924	25 32 21.7115 23.2224	84 89 22.9106 21.3715	44 36 22.4570 22.8217
	48 45	10 8	78 74	24 19
Ave. Wt.	47	9	76	22
Ashed Wt.				
Original Wt.	43 62 22.4115 20.8924	24 31 21.7115 23.2224	31 36 22.9106 21.3715	40 23 22.4570 22.8217
	28 24	9 7	26 21	10 6
Ave. Wt.	28	8	23	8
Solids	PPM #/day	PPM #/day	PPM (x 2.58)	PPM #/day
T.S.S.	470 10282	36 788	760 1961	22 481
T.F.S.	280 6126	32 700	230 593	8 175
T.V.S.	190 4156	4 88	530 1368	14 306
		TOTAL SOLIDS		
Final Wt.	7182	421	6253	4056
Tare Wt.	48.6849	50.7670	50.5810	53.8900
PPM	333 1332	250 1000	443 1772	156 624
	10282 - 788 9494 : 92.3 P' T.S.S. % Red.	SET SOLIDS	1961 - 481 1480 = 76.0 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.	12 - 0 12 mg/l	Dissolved Solids 602	JTU 10282 - 481 9801 = 95.3%
	B.P. Total Solids # Day	Hartman		

659529

Set I 22.6541 21.7085

6 x 2

II. 22.0032 23.4689

0 0

Saturday

Flow 2914200 4.03 1.15 Date 1.25/26.85

Air Temp. - F° 15°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°			D.O. = 3.4	75°
pH			7.5	7.5
Turbidity JTU			GRAB	COMPOSITE
Filtered Wt. Original Wt.			73 85 21.4133 23.5141	43 529 22.1317 22.5498
Ave. Wt.			40 44 42	26 31 29
Ashed Wt. Original Wt.			43 57 21.4133 23.5141	33 510 22.1317 22.5498
Ave. Wt.			10 16 13	16 12 14
Solids	PPM #/day	PPM #/day	PPM x 2.58	PPM #/day
T.S.S.			420 1084	29 702
T.F.S.			130 335	14 339
T.V.S.			290 749	15 363
		TOTAL SOLIDS		
Final Wt. Tare Wt.			2.0012 51.9474	8105 53.7931
PPM			518 2072	174 696
		SET SOLIDS	1084 - 702 382 = 35.2	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	36 - 30 6 mg/l.	Dissolved Solids 667	JTU
	B.P. Total Solids # Day	Hartman		

059530

11	22.1301	12	22.8545	55	21.5751	69	18
14	23.0238	52	18	17	7	15	7

Flow 2834100
Air Temp. - F° 60°

4.03 1.15

Date 1/26/27-85

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°		92°	D.O.= 2.6	86°
pH			7.2	7.2
Turbidity JTU			GRAB	COMPOSITE
Filtered Wt. Original Wt.			3.1058 643 22.4674 31.4484	50 3 46 20.0740 21.4586
Ave. Wt.			184 157 171	3 10 7
Ashed Wt. Original Wt.			932 588 22.4674 31.4486	2 86 20.0740 21.4586
Ave. Wt.			58 102 80	2 — 1
Solids	PPM #/day	PPM #/day	PPM x 2.58	PPM #/day
T.S.S.			1710 4412	14 331
T.F.S.			800 2064	1 24
T.V.S.			910 2348	13 307
		TOTAL SOLIDS		
Final Wt. Tare Wt.			6538 50.5947	519 52.0349
PPM			591 2364	170 680
		SET SOLIDS	4412 - 331 4081 ÷ 92.5	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	8 - 6 2 mg/l.	Dissolved Solids 666	JTU
	B.P. Total Solids # Day			

059531

I. 22.7163 6 3 22.1397 403 4

4

II. 22.7176 8 2 23.6724 8 4

3

Flow 2.070 800 4.03 1.15 Date 1-27/28-85
Air Temp. - F° 18°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°		92°	D.O. = 2.3	88° R
pH			7.1	7.1
Turbidity JTU			GRAB	COMPOSITE
Filtered Wt. Original Wt.			(10 ml.) 375 661 23.8188 21.8453	(50 ml) 43 42 22.3435 20.6399
Ave. Wt.			187 208 198	18 13 16
Ashed Wt. Original Wt.			249 520 23.8108 21.8453	9 402 22.3435 20.6399
Ave. Wt.			61 67 64	4 3 3.5
Solids	PPM #/day	PPM #/day	PPM X = 58	PPM #/day
T.S.S.			1480 5108	32 713
T.F.S.			640 1651	7 156
T.V.S.			1340 3457	25 557
		TOTAL SOLIDS	(25 ml.)	(25 ml.)
Final Wt. Tare Wt.			870 52.1305	362 51.1172
PPM			065 (2660)	190 (760)
		SET SOLIDS	5108 - 713 4395 = 86.0	Overall % Red.
	P' T.S.S. % Red.		S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.	52 - 38 14 mg/l	Dissolved Solids (728)	~~JTU~~
	B.P. Total Solids # Day	Hartman		

0595532

I. 21.9558 (87, 29) 22.5105 (27, 22)

26

II. 23.0233 (53, 20) 22.3833 (51, 18)

19

Flow 2532800 4.03 1.15 Date 1-28/29-85

Air Temp. - F° 20°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	79°	69°	D.O. = 2.2	69°
pH	7.4	7.0	7.1	7.1
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt.	(10)	(25)	(10)	1 (50)
Original Wt.	152 / 21.4085 — 600 / 21.6532	49 / 21.8327 — 17 / 21.6401	7024 / 22.6827 — 432 / 22.7270	64 / 23.0754 — 51 / 21.7043
	67 — 68	22 — 16	197 — 162	10 — 8
Ave. Wt.	67.5	19	179.5	9
Ashed Wt.				
Original Wt.	116 / 1.4085 — 51 / 1.6532	32 / 1.8327 — 5 / 1.6401	81 / 2.6827 — 313 / 2.7270	– / 3.0754 — – / 1.7043
	31 — 19	5 — 4	54 — 43	
Ave. Wt.	25	4.5	48.5	0
Solids	PPM / #/day	PPM / #/day	PPM X 2.58	PPM / #/day
T.S.S.	675 / 14260	76 / 1606	1795 / 4631	18 / 380
T.F.S.	100 / 2113	18 / 380	485 / 1251	– / –
T.V.S.	575 / 12147	58 / 1226	1310 / 3380	18 / 380
		TOTAL SOLIDS		
Final Wt.	4760	717	7994	51.0301
Tare Wt.	55.3993	52.2156	51.6276	50.9959
PPM	767 / 1534	561 / 1122	1718 / 3436	342 / 684
	14260 − 1606 = 12654 = 88.7	SET SOLIDS	4631 − 380 = 4251 = 91.8	Overall % Red.
End of pipe D.O. 4.5 mg/L	P' T.S.S. % Red.	12 − 2 = 10 mg/L	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 666	14260 − 380 = 13880 = 97.3
	B.P. Total Solids # Day	Yeager		

0595533

$$22.3\overset{9}{8}0\underset{5}{4}$$

$$21.3\overset{22}{4}1\underset{7}{5}$$

$6 \times 2 = 12$

$$22.5\overset{-}{3}1\underset{0}{6}$$

$$22.34\overset{5}{6}\underset{2}{3}$$

$1 \times 2 = 2$

Flow 2732000 4.03 1.15 Date 1-29/30-85
Air Temp. - F° 20°

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	79°	69°	D.O. = 3.4	69°
pH	7.5	7.3	7.4	7.4
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 73 433 21.5735 22.0399	(39) 7 8 22.6530 21.3693	(11) 212 880 22.9088 20.0741	(50) 60 9 22.7151 22.9870
Ave. Wt.	38 34 36	7 5 6	124 139 131.5	9 9 9
Ashed Wt. Original Wt.	54 419 1.5735 2.0399	- - 2.6530 1.3693	122 82 2.9088 0.0741	- - 2.7151 2.9870
Ave. Wt.	19 20 19.5	0	34 41 37.5	0
Solids	PPM #/day	PPM #/day	PPM X2.58	PPM #/day
T.S.S.	360 8206	24 547	1315 3393	18 410
T.F.S.	195 4445	- -	375 968	- -
T.V.S.	165 3761	24 547	940 2425	18 410
	(54)	TOTAL SOLIDS (55)	(53)	(52)
Final Wt. Tare Wt.	6483 50.5952	650 51.1176	9017 53.7946	837 51.9484
PPM	531 1062	474 948	1071 2142	353 706
	8206 - 547 = 7659 = 93.3 P' T.S.S. % Red.	SET SOLIDS - 21 2 19 mg/l	3393 - 410 = 2983 = 87.9 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 688	8206 - 410 = 7796 = 95.0
	B.P. Total Solids # Day	Yeneyou		

D.O. between dary & River effluent 5.3 mg/l

059534

$$22.3\overset{69}{\underset{13}{\underline{856}}}$$

$$23.0\overset{61}{\underset{8}{\underline{253}}}$$

$10.5 \times 2 = 21$

$$22.12\overset{-}{\underset{0}{\underline{45}}}$$

$$22.26\overset{80}{\underset{2}{\underline{78}}}$$

$1 \times 2 = 2$

Flow 2536200 4.03 1.15 Date 1-39/31-85

Air Temp. - F° 22°

Sample	Before Primary	After Primary	Aeration Basin	Secondary
Temp. F°	83°	73°	D.O. = 4.7	73°
pH	7.8	7.1	7.3	7.3
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 600 757 / 22.1526 22.8678	(50) 43 64 / 22.6136 20.1554	(10) 780 478 / 21.9652 22.8345	(50) 80 53 / 21.7269 22.8541
	74 79	7 10	128 183	11 12
Ave. Wt.	76.5	8.5	130.5	11.5
Ashed Wt. Original Wt.	46 705 / 2.1526 2.8678	- - / 2.6136 0.1554	84 84 / 1.9652 2.8345	- 3 / 1.7269 2.8541
	26 27		32 39	0 2
Ave. Wt.	23.5	0	35.5	1
Solids	PPM / #/day	PPM / #/day	PPM x 2.58	PPM / #/day
T.S.S.	765 / 16225	34 / 721	1305 / 3367	23 / 488
T.F.S.	235 / 4984	- / -	355 / 916	2 / 43
T.V.S.	530 / 11241	34 / 721	950 / 2451	21 / 445
	(52)	TOTAL SOLIDS (52)	(52)	(52)
Final Wt. Tare Wt.	846 / 53.6218	958 / 51.7477	1539 / 51.0489	3120 / 50.2763
PPM	628 / 1256	481 / 462	1050 / 2100	357 / 714
	16225 - 721 = 15504 : 95.6	SET SOLIDS	3367 - 488 = 2879 : 85.5	Overall % Red.
	P' T.S.S. % Red.	27 - 8 = 19 mg/l	S' T.S.S. % Red.	T.S.S.
	P' JTU % Red.		Dissolved Solids 691	16225 - 488 = 15737 : 97.0
	B.P. Total Solids # Day	Kenyon		

535535

$$22.9\,\overset{54}{\underset{11}{\cancel{743}}} \qquad 22.60\,\overset{45}{\underset{16}{\cancel{29}}}$$

$$13.5 \times 2 = 27$$

$$23.5\,\overset{400}{\underset{2}{\cancel{398}}} \qquad 20.4\,\overset{6}{\underset{6}{\cancel{710}}}$$

$$4 \times 2 = 8$$

Flow 2610100
Air Temp. - F° 9°

4.03 1.15

Date 1-31 -85
2-1

Sample	Before Primary	After Primary	Aeration Basin I	Secondary
Temp. F°	81°	70°	D.O. = 4.5	70°
pH	7.5	7.2	7.7	7.7
Turbidity JTU	Grab	Grab	Grab	Composite
Filtered Wt. Original Wt.	(10) 34 22.5101 / 25 21.6403	(80) 60 23.0254 / 31 21.8223	(10) 963 22.3844 / 950 22.6833	(50) 18 22.3407 / 91 23.8180
	33 / 22	6 / 8	119 / 117	11 / 11
Ave. Wt.	27.5	7	118	11
Ashed Wt. Original Wt.	7 2.5101 / 6 1.6403	— 3.0254 / — 1.8223	75 2.3844 / 42 2.6833	— 2.3407 / 1 3.8180
	6 / 3	— / —	31 / 29	— / 1
Ave. Wt.	4.5	0	30	.5
Solids	PPM / #/day	PPM / #/day	PPM 2.58	PPM / #/day
T.S.S.	275 / 5993	28 / 610	1180 / 3044	22 / 479
T.F.S.	45 / 981	—	300 / 774	1 / 22
T.V.S.	230 / 5012	28 / 610	880 / 2270	21 / 457
Final Wt. Tare Wt.	(25) 7504 48.6839	TOTAL SOLIDS (25) 9095 53.8893	(25) 833 52.0348	(25) 361 52.1198
PPM	665 2660	202 808	485 1940	163 652
	5993 - 610 = 5383 : 89.8 P' T.S.S. % Red.	SET SOLIDS - 22 5 = 17 mg/l	3044 - 479 = 2565 : 84.3 S' T.S.S. % Red.	Overall % Red. T.S.S.
	P' JTU % Red.		Dissolved Solids 630	5993 - 479 = 5514 : 92.0
	B.P. Total Solids # Day	Yeneyon		

0595536

$21.8\overset{76}{\underline{464}}$ $\quad$ $22.72\overset{60}{\underline{50}}$

12 $\quad$ 10

$11 \times 2 = 22$

$22.43\overset{8}{\underline{76}}$ $\quad$ $21.21\overset{8}{\underline{35}}$

2 $\quad$ 3

$2.5 \times 2 = 5$