Return To STATE OF CONNECTICUT
Bureau of Water Management/Planning & Standards
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

From: The East Shore W.P.A.F.
345 East Shore Parkway
New Haven, Connecticut 06512
John Torre: PROJECT MANAGER

STATE OPERATIONS REPORT

Month: **March, 2012**

	FLOW (mgd)			HIGH	HIGH	RAIN-	SEPTIC	SEPTAGE	PRIMARY SLUDGE			AERATION TANK 1				AERATION TANK 2			
				FLOW	FLOW	FALL	WASTE	NON-						D.O.				D.O.	
	MAX	MIN	TOT	DIVERSION	DIVERSION	INCHES/	GAL	DOMESTIC	GAL	%	LBS	MLSS	SVI	HI	LO	MLSS	SVI	HI	LO
DATE				(>60MGD)	HRS/DAY	DAY		GPD		SOLIDS		mg/l				mg/l			
1	48.1	19.5	29.2	0.00	0.00	0.140	0	0	1150810	0.21	19675	4276	185	0.3	0.2	1700	135	0.2	0.0
2	39.2	13.9	26.8	0.00	0.00	0.120	0	0	1154784	0.24	23114	3736	166	4.2	0.3	3772	159	3.9	0.6
3	57.2	21.5	35.9	0.00	0.00	0.350	0	0	1111775	0.16	15299								
4	41.6	14.7	29.0	0.00	0.00	0.000	0	0	1201265	0.29	29054								
5	39.3	15.5	26.2	0.00	0.00	0.000	4000	0	1116611	0.33	30266	3324	141	0.4	0.2	3324	144	3.9	2.4
6	33.1	15.6	26.4	0.00	0.00	0.000	1000	0	1145728	0.18	16722	3472	130	4.4	0.2	3444	134	4.7	1.7
7	32.8	17.5	27.0	0.00	0.00	0.000	7300	0	1166115	0.39	37929	3444	139	3.6	0.2	3544	144	3.9	0.3
8	32.6	17.4	26.4	0.00	0.00	0.000	1000	0	1149876	0.26	24934	3448	157	3.3	0.2	3492	172	3.3	0.4
9	37.9	17.5	26.1	0.00	0.00	0.030	3500	0	1153854	0.29	27426	3228	155	3.6	0.2	3256	166	4.2	1.9
10	33.5	15.8	25.0	0.00	0.00	0.000	0	0	1150460	0.22	21109								
11	32.9	16.6	24.5	0.00	0.00	0.000	0	0	1122358	0.17	15913								
12	37.4	11.0	25.3	0.00	0.00	0.000	5100	0	1150696	0.26	24952	3420	155	3.1	0.2	3428	169	3.3	0.2
13	40.4	16.7	26.9	0.00	0.00	0.100	2100	0	1155628	0.36	34697	3472	158	2.3	0.2	3492	178	2.6	0.1
14	34.7	16.8	25.4	0.00	0.00	0.000	8000	0	1158163	0.28	27045	3536	184	0.6	0.3	3584	198	1.9	1.3
15	30.7	16.1	25.2	0.00	0.00	0.000	800	0	1116001	0.27	25130	3584	201	1.4	0.3	3584	178	3.0	1.3
16	35.5	16.3	24.8	0.00	0.00	0.010	2400	0	1149429	0.39	37386	3636	143	2.5	0.3	3668	144	2.7	0.2
17	35.5	15.4	24.6	0.00	0.00	0.000	0	0	1156729	0.26	24600								
18	32.0	15.0	24.6	0.00	0.00	0.000	0	0	1153213	0.27	25487								
19	37.3	15.2	25.2	0.00	0.00	0.010	4300	0	1162914	0.31	30066	3476	144	3.0	0.2	3508	142	3.3	0.2
20	34.0	14.7	24.8	0.00	0.00	0.000	6100	0	1149802	0.36	34522	3628	138	0.4	0.2	3500	140	2.9	0.5
21	34.9	15.7	25.1	0.00	0.00	0.000	8000	0	1155408	0.26	24572	3676	136	1.9	0.2	3636	138	3.8	0.1
22	31.7	14.9	25.5	0.00	0.00	0.010	800	0	1131077	0.31	28771	3584	134	1.5	0.4	3648	126	3.4	1.5
23	38.8	15.8	24.0	0.00	0.00	0.000	1000	0	1150626	0.24	23031	3544	147	1.2	0.5	3768	151	3.1	0.9
24	32.1	15.0	24.5	0.00	0.00	0.000	0	0	1156730	0.29	27977								
25	31.4	15.2	26.0	0.00	0.00	0.060	0	0	1189951	0.23	22329								
26	37.6	15.8	24.0	0.00	0.00	0.000	5000	0	1212279	0.25	24770	3548	175	0.2	0.2	3476	193	3.6	1.5
27	35.9	14.6	24.3	0.00	0.00	0.000	800	0	1320487	0.25	27532	3772	151	0.3	0.2	3852	161	4.2	1.1
28	56.9	15.8	28.0	0.00	0.00	0.280	4000	0	1327038	0.34	37629	3560	211	0.2	0.0	3516	213	3.3	0.1
29	34.6	16.4	24.7	0.00	0.00	0.000	3800	0	1319684	0.48	52830	3468	158	0.7	0.2	3428	201	4.8	2.1
30	31.0	12.3	23.9	0.00	0.00	0.000	5500	0	1324597	0.27	29275	3600	178	0.2	0.2	3568	160	3.1	0.5
31	36.5	17.1	25.9	0.00	0.00	0.190	0	0	1322891	0.24	26479								
TOTAL	1147.1	491.3	805.2	0.00	0.00	1.300	74500	0	36586979	8.61	850521	78432	3486	39.3	5.1	76188	3546	73.1	18.9
AVG	37.0	15.8	26.0	0.00	0.00	0.042	2403	0	1180225	0.28	27436	3565	158	1.8	0.2	3463	161	3.3	0.9
MIN	30.7	11.0	23.9	0.00	0.00	0.000	0	0	1111775	0.16	15299	3228	130	0.2	0.0	1700	126	0.2	0.0
MAX	57.2	21.5	35.9	0.00	0.00	0.350	8000	0	1327038	0.48	52830	4276	211	4.4	0.5	3852	213	4.8	2.4

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Month: **March, 2012**

	AERATION TANK 3				AERATION TANK 4				RETURN			SOLIDS		CHLORINE		CHLORINE				FECAL
			D.O.				D.O.		SLUDGE		WASTE			DOSAGE		RESIDUAL				COLIFORM
	MLSS	SVI	HI	LO	MLSS	SVI	HI	LO	%	%	SLUDGE	LBS	LBS			mg/l				
DATE	mg/l				mg/l				FLOW	SOLIDS	LB	IN	OUT	LBS	mg/l	#	HI	LO	AVG	#/100ml
1	2172.0	152.00	0.2	0.20	4236.0	198.00	0.1	0.00	54.4	0.88	16496	83774	51191	494.0	2.03	4	0.9	0.7	0.8	<2
2	3696.0	176.00	0.7	0.10	3928.0	191.00	1.8	0.10	67.8	0.91		57219	37312	654.9	2.93	4	0.7	0.5	0.6	
3									50.8		18695		73004	737.6	2.46					
4									49.3		19221		88280	485.8	2.01					
5	3332.0	150.00	0.1	0.00	3328.0	150.00	0.1	0.00	59.4	0.89	17736	51786	12127	554.6	2.54	4	0.8	0.5	0.6	<6
6	3488.0	140.00	0.6	0.10	3420.0	146.00	1.9	0.10	58.6	0.91	19241	43815	34201	725.6	3.30	4	0.8	0.6	0.7	<2
7	3612.0	144.00	0.2	0.10	3624.0	143.00	1.8	0.10	55.0	0.93	20005	76561	42135	708.6	3.15	4	0.6	0.5	0.6	<2
8	3800.0	174.00	0.1	0.00	3728.0	182.00	1.4	0.00	56.3	0.93	19787	66493	46852	685.9	3.12	4	0.6	0.5	0.6	2
9	3660.0	183.00	0.3	0.00	3680.0	166.00	2.3	0.10	55.5	0.96	19235	91205	38751	725.6	3.33	4	0.6	0.5	0.6	
10									58.0		19697		61403	692.2	3.32					
11									64.2		19729		20970	563.4	2.76					
12	3484.0	186.00	0.3	0.10	3508.0	194.00	0.9	0.00	56.2	0.89	19314	94529		518.6	2.46	4	0.8	0.6	0.6	2
13	3632.0	187.00	0.1	0.10	3664.0	183.00	0.9	0.00	56.1	0.92	19860	90636	31162	664.4	2.96	4	0.7	0.5	0.6	<2
14	3680.0	190.00	0.2	0.10	3708.0	175.00	0.1	0.00	59.2	0.92	15116	87700	67405	540.7	2.55	4	0.5	0.2	0.4	<2
15	3764.0	175.00	0.2	0.10	3644.0	187.00	1.9	0.10	60.0	0.93	21025	120006	-14737	829.7	3.95	4	0.9	0.8	0.9	2
16	3756.0	146.00	0.2	0.10	3904.0	156.00	1.8	0.00	56.5	0.93	19167	72391	37196	777.3	3.76	4	0.9	0.7	0.8	
17									58.6		19605		49800	617.1	3.01					
18									62.4		19563		67107	623.4	3.04					
19	3660.0	150.00	0.4	0.10	3584.0	148.00	1.2	0.10	58.7	0.90	19365	76501	-8536	499.7	2.38	4	0.6	0.4	0.5	10
20	3712.0	148.00	0.2	0.10	3684.0	141.00	1.9	0.20	58.5	0.90	20603	61222	24205	701.6	3.39	4	0.6	0.5	0.6	<2
21	3872.0	142.00	0.2	0.10	3740.0	139.00	1.7	0.00	61.4	0.92	19298	66150	21989	795.6	3.80	4	0.9	0.6	0.8	<2
22	3860.0	132.00	0.2	0.10	3728.0	134.00	1.8	0.60	58.8	0.94	17695	58484	50267	831.0	3.91	4	0.9	0.8	0.8	8
23	3552.0	149.00	0.2	0.10	3640.0	148.00	1.4	0.60	57.8	0.93	21454	70456	39503	620.9	3.10	4	1.0	0.8	0.9	
24									57.2		19182		24416	833.5	4.08					
25									55.0		20354		67323	697.2	3.22					
26	3724.0	180.00	0.9	0.10	3536.0	170.00	1.9	1.00	60.7	0.95	18963	97278	24549	554.6	2.77	4	0.8	0.5	0.6	<2
27	3860.0	168.00	1.2	0.20	3812.0	165.00	5.1	0.30	59.3	0.94	19409	93833	32513	592.5	2.92	4	0.6	0.5	0.6	2
28	3724.0	193.00	1.5	0.10	3572.0	160.00	0.1	0.00	50.1	0.92	19536	142214	23786	613.3	2.63	4	0.8	0.5	0.7	<2
29	3612.0	208.00	1.5	0.40	3612.0	205.00	0.0	0.00	60.0	0.93	18235	163562	20349	605.7	2.94	4	0.6	0.5	0.5	<2
30	3760.0	178.00	1.2	0.20	3916.0	171.00			58.6	0.91	17568	67771	40881	523.1	2.62	4	0.8	0.5	0.6	
31									54.2		18368		47359	618.3	2.86					
TOTAL	79412.0	3651.00	10.7	2.50	81196.0	3652.00	30.1	3.30	1789.0	20.24	573524	1833587	1152762	20086.6	93.28	88	16.4	12.2	14.2	<52
AVG	3609.6	165.95	0.5	0.11	3690.7	166.00	1.4	0.16	57.7	0.92	19117	83345	38425	648.0	3.01	4	0.7	0.6	0.6	<3
MIN	2172.0	132.00	0.1	0.00	3328.0	134.00	0.0	0.00	49.3	0.88	15116	43815	-14737	485.8	2.01	4	0.5	0.2	0.4	<2
MAX	3872.0	208.00	1.5	0.40	4236.0	205.00	5.1	1.00	67.8	0.96	21454	163562	88280	833.5	4.08	4	1.0	0.8	0.9	10

NOTES: Coliform average is the geometric mean

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	SETTLED SOLIDS		BOD			COD			SUSPENDED SOLIDS			TURB-IDITY	TEMPERATURE deg F		pH		EFF D.O.	INF CL	EFF ALK. Grab
			INF	P.E.	EFF	INF	P.E.	EFF	INF	P.E.	EFF		INF	EFF	INF	EFF			
DATE	INF	EFF	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l								mg/l
1	7.0	0.0	356	150	5.2				344	63	6.2	3	59	57	6.9	6.7	7.9	480.0	
2	6.0	0.0							256	88	4.0	7	62	59	6.8	6.8	5.4	500.0	
3																			
4											12.2								
5	6.0	0.0	278		3.8				237	67	5.4	3	59	58	7.0	6.9	6.7	520.0	
6	7.0	0.0	236	173	2.5				199	63	3.2	2	61	59	7.0	6.8	5.8	540.0	
7	8.0	0.0	320	145	3.2				340	64	4.4	2	64	62	6.7	6.7	5.6	500.0	
8	6.5	0.0	310	147	7.2				302	61	10.4	1	62	64	7.0	6.8	5.5	480.0	
9	7.0	0.0							419	83	3.4	2	63	63	7.0	6.8	5.4	520.0	
10																			
11											3.8								
12	35.0	0.0	350		2.8				448	81	3.8	4	62	63	6.7	6.8	8.0	500.0	62.0
13	14.5	0.0	368	150	2.8				404	70	2.7	5	62	63	6.8	6.8	7.4	530.0	
14	7.0	0.0	338	190	3.0				414	76	2.4	4	64	64	6.8	6.8	5.4	540.0	
15	9.0	0.0	484	155	2.2				571	64	3.0	2	63	64	6.9	6.8	7.5	520.0	
16	12.5	0.0							350	71	3.0	2	64	63	7.0	7.1	7.4	700.0	
17																			
18											3.6								
19	11.0	0.0	376		2.6				364	65	2.8	3	60	66	7.0	6.8	4.8	400.0	
20	14.0	0.0	356	156	3.1				296	67	4.0	2	65	66	6.8	6.8	7.6	620.0	
21	8.0	0.0	424	164	2.5				316	68	3.1	2	65	66	6.8	6.8	7.4	560.0	
22	10.0	0.0	330	176	2.6				275	97	3.8	4	65	67	6.9	6.8	7.4	540.0	
23	6.5	0.0							352	67	2.6	3	65	67	6.9	6.8	7.3	530.0	
24																			
25											2.2								
26	23.0	0.0	394		2.5				486	75	3.9	3	64	64	6.8	6.8	6.4	590.0	
27	8.0	0.0	419	192	2.5				463	70	2.3	2	65	65	6.9	6.8	7.1	550.0	
28	11.0	0.0	430	189	5.0				609	111	6.5	2	64	65	6.9	6.7	7.5	480.0	
29	15.0	0.0	670	184	3.2				794	86	3.4	2	65	64	6.8	6.6	5.1	560.0	
30	7.0	0.0							340	69	2.4	3	65	66	6.8	6.8	5.4	550.0	
31																			
TOTAL	239.0	0.0	6439	2171	56.7				8579	1626	108.5	63	1388	1395	151.2	149.5	144.0	11710.0	62.0
AVG	10.9	0.0	379	167	3.3				390	74	4.2	3	63	63	6.9	6.8	6.5	532.3	62.0
MIN	6.0	0.0	236	145	2.2				199	61	2.2	1	59	57	6.7	6.6	4.8	400.0	62.0
MAX	35.0	0.0	670	192	7.2				794	111	12.2	7	65	67	7.0	7.1	8.0	700.0	62.0

NOTES: 0.0 = TRACE for settleable solids

* Note: Sample collected and analyzed

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1) PLANT NAME: East Shore W.P.A.F. NPDES No. - CT0100366

		INFLUENT	EFFLUENT
2) TEMPERATURE (00011)	Maximum	65 F	67 F
Plnt Ef - Plant Effluent	Monthly Average		26.0 MGD
Flow Mgd - Flow Thru Treatment Plant Mgd	Daily Maximum		57.2 MGD
4) TURBIDITY (00070)	Maximum		7.00 ntu
5) ULTIMATE OXYGEN DEMAND (00181)	Monthly Average	mg/l	mg/l
6) DISSOLVED OXYGEN (00300)	Minimum		4.8 mg/l
7) BIOCHEMICAL OXYGEN DEMAND (00310)	Monthly Average	379 mg/l	3.3 mg/l
	Daily Maximum	670 mg/l	7.2 mg/l
8) PH (00400)	Monthly Minimum	6.7 S.U.	6.6 S.U.
	Monthly Maximum	7.0 S.U.	7.1 S.U.
9) SUSPENDED SOLIDS (00530)	Monthly Average	390 mg/l	4.2 mg/l
	Daily Maximum	794 mg/l	12.2 mg/l
10) SETTLEABLE SOLIDS (00545)	Maximum	35.0 ml/l	0.0 ml/l

		INFLUENT	EFFLUENT
11) TOTAL ORGANIC N (00605)	Monthly Average	15.0 mg/l	>2.1 mg/l
12) AMMONIA as N (00610)	Monthly Average	15.7 mg/l	<0.2 mg/l
13) NITRATE-NITRITE (00630)	Monthly Average	<0.1 mg/l	3.2 mg/l
14) TOTAL PHOSPHORUS (00665)	Monthly Average		0.9 mg/l
15) TOTAL CL RESIDUAL (50060)	Daily Minimum		0.2 mg/l
	Daily Maximum		1.0 mg/l
16) FECAL COLIFORM (74055)	30-Day Geo. Mean		<3 /100ml
	Maximum 7-Day Geo. Mean		<4 /100ml
17) BIOCHEMICAL OXYGEN DEMAN (81010)	Percent Removal		99 %
18) SUSPENDED SOLIDS (81011)	Percent Removal		99 %
19) TOTAL PHOSPHORUS (81012)	Percent Removal		%

Monthly Chemical Report

East Shore W.P.A.F. **Month: March, 2012**

DAY	Effluent Hypo GPD	Main Scrubber Hypo GPD	Main Scrubber Caustic GPD	Inlet Works Scrubber Hypo GPD	Inlet Works Scrubber Casutic GPD
01	371.1	48.8	23.4	365.0	15.6
02	492.0	33.5	20.5	320.6	11.7
03	554.1	49.8	23.3	345.5	11.7
04	365.0	58.0	24.3	296.8	11.7
05	416.6	48.3	23.5	253.9	15.6
06	545.1	42.6	24.0	317.1	11.7
07	532.3	53.4	21.3	257.4	7.8
08	515.2	57.4	30.8	301.1	0.0
09	545.1	57.9	32.4	281.2	19.5
10	520.0	25.5	24.3	273.8	11.7
11	423.3	53.9	20.6	221.9	11.7
12	389.6	48.8	17.1	221.5	3.9
13	499.1	45.8	15.3	271.1	7.8
14	406.2	72.4	17.3	272.2	11.7
15	623.3	47.0	0.0	273.4	23.8
16	584.0	72.1	22.3	376.4	0.0
17	463.6	39.6	20.6	269.9	23.4
18	468.3	46.8	23.1	384.2	175.5
19	375.4	61.3	19.4	518.7	291.3
20	527.1	76.3	18.3	439.9	17.9
21	597.7	47.8	11.1	293.7	13.7
22	624.3	62.0	16.3	344.8	28.9
23	466.4	49.8	11.3	320.6	22.6
24	626.2	30.0	0.0	324.9	28.1
25	523.8	15.3	0.0	266.0	22.6
26	416.6	54.9	27.4	281.2	12.9
27	445.1	66.1	40.6	433.7	23.8
28	460.7	103.0	39.4	420.8	11.7
29	455.0	89.4	40.9	427.1	16.0
30	392.9	92.4	35.1	372.5	16.0
31	464.5	57.5	25.4	325.3	15.6
Total	15089.8	1706.8	668.8	10071.7	895.8
Avg	486.8	55.1	21.6	324.9	28.9

Return To STATE OF CONNECTICUT
Bureau of Water Management/Planning & Standards
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

From: The East Shore W.P.A.F.
345 East Shore Parkway
New Haven, Connecticut 06512
John Torre: PROJECT MANAGER

NUTRIENT REPORT: Stamford Regional Lab Results

Month: **March, 2012**

DAY	INF TN	INF TKN	INF NH3	INF NO2	INF NO3	PRIEFF ALK GRB	PRIEFF ALK	PRIEFF pH	PRIEFF TN	PRIEFF TKN	PRIEFF NH3	PRIEFF NO2	PRIEFF NO3	EFF TP	EFF OP	EFF TN	EFF TKN	EFF NH3	EFF NO2	EFF NO3	EFF NO2+NO3
1							115	6.90								8.3	5.3				3.0
2							132	7.00													
3																					
4																6.5	4.7				1.8
5	31.0	30.7	15.7	<0.1	0.3		128	6.80	26.4	26.1	17.1	<0.1	0.3	0.9	0.6	5.5	2.5	0.4	<0.1	3.0	3.0
6							133	6.90													
7							136	6.80								5.0	1.9				3.1
8							127	7.00								5.1	2.2				2.9
9							120	6.90													
10																					
11																5.2	1.6				3.6
12						134	132	6.90								5.6	1.6	0.1			4.0
13							120	6.90													
14							120	6.80								4.2	1.7				2.5
15							165	6.90								4.7	1.5				3.2
16							156	6.80													
17																					
18																5.2	1.7				3.5
19							144	7.00								5.8	1.5	<0.1			4.3
20							131	6.90													
21							124	6.80								5.3	1.7				3.6
22							115	6.90								5.4	1.9				3.5
23							133	6.90													
24																					
25																5.2	1.8				3.4
26							137	6.90								5.6	1.7	<0.1			3.9
27							128	6.90													
28							115	6.80								5.6	2.8				2.8
29							130	6.70								4.8	1.7				3.1
30							131	6.90													
31																					
TOTAL	31.0	30.7	15.7	<0.1	0.3	134	2872	151.30	26.4	26.1	17.1	<0.1	0.3	0.9	0.6	93.0	37.8	<0.7	<0.1	3.0	55.2
AVG	31.0	30.7	15.7	<0.1	0.3	134	131	6.88	26.4	26.1	17.1	<0.1	0.3	0.9	0.6	5.5	2.2	<0.2	<0.1	3.0	3.2
MIN	31.0	30.7	15.7	<0.1	0.3	134	115	6.70	26.4	26.1	17.1	<0.1	0.3	0.9	0.6	4.2	1.5	<0.1	<0.1	3.0	1.8
MAX	31.0	30.7	15.7	<0.1	0.3	134	165	7.00	26.4	26.1	17.1	<0.1	0.3	0.9	0.6	8.3	5.3	0.4	<0.1	3.0	4.3

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalities for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: **John Torre**

Title: **Project Manager**

Signature:

Date: **4/10/2012**

Monthly Solids Report

East Shoe W.P.A.F. **Month: March, 2012**

DAY	TPS LBS	TWAS LBS	LBS Polymer per Ton WAS	BFP CAKE %	Wet Tons Sludge To Incin.	Dry LBS To Incin.	Trucks #	LBS From SYNAGRO	LBS Out From ESWPAF
1	12960	40883	321	23.5	177.4	83392	11	32201	51191
2	11759	38030		24.0	173.7	83390	17	46079	37312
3	19365	6305	263	25.9	175.5	90893	6	17889	73004
4	14178	0	236	26.7	174.9	93375	2	5096	88280
5	9908	0	299	23.6	144.2	68072	24	55945	12127
6	8407	500	236	25.8	172.2	88845	21	54644	34201
7	10675	36279	246	23.8	190.2	90545	19	48410	42135
8	7923	92157	191	24.4	183.1	89353	16	42501	46852
9	8807	65302	217	22.5	172.9	77783	16	39031	38751
10	10342	25087	211	24.2	171.2	82870	12	21467	61403
11	8507	0	211	20.0	167.1	66832	18	45862	20970
12	8757	0	196	25.7	155.9	80153	0	0	80153
13	10217	0	229	24.4	172.7	84287	20	53126	31162
14	11676	0	225	24.3	254.1	123512	23	56107	67405
15	13427	0	162	24.8	86.1	42725	20	57463	-14737
16	8757	0	198	25.0	183.7	91840	21	54644	37196
17	9925	0	193	24.2	168.8	81675	14	31875	49800
18	8332	0	213	22.4	155.5	69655	1	2548	67107
19	8549	0	176	25.3	91.6	46324	22	54861	-8536
20	9674	0	165	23.6	160.9	75921	18	51716	24205
21	11709	0	157	25.0	172.8	86390	27	64401	21989
22	10600	0	214	25.5	196.1	100031	18	49765	50267
23	7606	0	194	26.4	176.5	93171	22	53668	39503
24	9433	0	138	24.7	168.3	83125	19	58709	24416
25	6814	0	130	23.0	172.3	79249	5	11926	67323
26	8132	0	140	25.2	175.1	88245	25	63697	24549
27	8782	0	176	22.7	174.8	79350	18	46837	32513
28	9324	0	155	24.2	169.6	82062	25	58276	23786
29	13211	0	208	15.6	168.1	52441	16	32092	20349
30	10275	0	237	23.7	165.2	78286	15	37405	40881
31	9007	28489	124	22.4	165.6	74193	11	26834	47359
Total	317037	333033	6062	742.5	5235.8	2507988	502	1275073	1232915
Avg	10227	10743	202	24.0	168.9	80903	16	41131	39771

Monthly Utilities Report

East Shore W.P.A.F. **Month: March, 2012**

DAY	KWH Used x1000	Nat. Gas Corr. KCF	Nat. Gas Uncorr. CCF	Nat. Gas Boilers CCF	Total Water Used CCF	Oil North Tank GAL	Oil South Tank GAL
01	48.0	80.0	168.0	224.0	147.6	0.0	
02	57.6	72.0	51.0	234.0	144.5	0.0	
03	43.2	55.0	218.0	184.0	141.3	0.0	
04	57.6	74.0	155.0	236.0	184.3	1.0	
05	57.6	78.0	166.0	208.0	159.3	0.0	
06	52.8	58.0	123.0	197.0	109.8	0.0	
07	52.8	81.0	169.0	194.0	169.5	0.0	
08	57.6	64.0	136.0	175.0	135.7	0.0	
09	48.0	55.0	117.0	172.0	107.5	0.0	
10	53.0	71.0	148.0	206.0	137.3	0.0	
11	57.8	75.0	159.0	216.0	146.3	0.0	
12	38.4	56.0	115.0	148.0	132.9	0.0	
13	52.8	63.0	139.0	160.0	164.4	0.0	
14	58.0	67.0	135.0	127.0	202.5	0.0	
15	53.0	48.0	100.0	131.0	131.6	0.0	
16	58.0	59.0	126.0	132.0	153.0	0.0	
17	57.6	58.0	121.0	129.0	134.1	0.0	
18	57.6	53.0	112.0	32.0	185.6	0.0	
19	48.0	33.0	69.0	0.0	127.8	0.0	
20	57.6	40.0	85.0	3.0	176.3	0.0	
21	57.6	29.0	61.0	3.0	133.6	0.0	
22	57.6	40.0	82.0	4.0	161.0	0.0	
23	57.6	64.0	120.0	2.0	141.9	0.0	
24	33.6	12.0	41.0	66.0	137.9	0.0	
25	81.6	50.0	109.0	118.0	131.5	0.0	
26	57.6	60.0	123.0	137.0	139.1	0.0	
27	57.6	53.0	120.0	258.0	134.4	0.0	
28	62.4	75.0	148.0	31.0	105.5	0.0	
29	62.4	42.0	90.0	15.0	123.0	0.0	
30	52.8	56.0	117.0	129.0	113.1	0.0	
31	52.8	58.0	123.0	139.0	126.3	0.0	
Total	1700.6	1779.0	3746.0	4010.0	4438.6	1.0	
Avg	54.9	57.4	120.8	129.4	143.2	0.0	

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John Torre: PROJECT MANAGER

STATE OPERATIONS REPORT

Month: **March, 2012**

	FLOW (mgd)			HIGH	SEPTIC	PRIMARY SLUDGE			AERATION TANK 1				AERATION TANK 2				AERATION TANK 3				AERATION TANK 4			
				FLOW	WASTE						D.O.				D.O.				D.O.				D.O.	
	MAX	MIN	TOT	DIVERSION	GAL	GAL	%	LBS	MLSS	SVI	HI	LO	MLSS	SVI	HI	LO	MLSS	SVI	HI	LO	MLSS	SVI	HI	LO
DATE				(>60MGD)			SOLIDS		mg/l				mg/l				mg/l				mg/l			
1	48.1	19.5	29.2	0.00	0	1150810	0.21	19675	4276	185	0.3	0.2	1700	135	0.2	0.0	2172	152	0.2	0.2	4236	198	0.1	0.0
2	39.2	13.9	26.8	0.00	0	1154784	0.24	23114	3736	166	4.2	0.3	3772	159	3.9	0.6	3696	176	0.7	0.1	3928	191	1.8	0.1
3	57.2	21.5	35.9	0.00	0	1111775	0.16	15299																
4	41.6	14.7	29.0	0.00	0	1201265	0.29	29054																
5	39.3	15.5	26.2	0.00	4000	1116611	0.33	30266	3324	141	0.4	0.2	3324	144	3.9	2.4	3332	150	0.1	0.0	3328	150	0.1	0.0
6	33.1	15.6	26.4	0.00	1000	1145728	0.18	16722	3472	130	4.4	0.2	3444	134	4.7	1.7	3488	140	0.6	0.1	3420	146	1.9	0.1
7	32.8	17.5	27.0	0.00	7300	1166115	0.39	37929	3444	139	3.6	0.2	3544	144	3.9	0.3	3612	144	0.2	0.1	3624	143	1.8	0.1
8	32.6	17.4	26.4	0.00	1000	1149876	0.26	24934	3448	157	3.3	0.2	3492	172	3.3	0.4	3800	174	0.1	0.0	3728	182	1.4	0.0
9	37.9	17.5	26.1	0.00	3500	1153854	0.29	27426	3228	155	3.6	0.2	3256	166	4.2	1.9	3660	183	0.3	0.0	3680	166	2.3	0.1
10	33.5	15.8	25.0	0.00	0	1150460	0.22	21109																
11	32.9	16.6	24.5	0.00	0	1122358	0.17	15913																
12	37.4	11.0	25.3	0.00	5100	1150696	0.26	24952	3420	155	3.1	0.2	3428	169	3.3	0.2	3484	186	0.3	0.1	3508	194	0.9	0.0
13	40.4	16.7	26.9	0.00	2100	1155628	0.36	34697	3472	158	2.3	0.2	3492	178	2.6	0.1	3632	187	0.1	0.1	3664	183	0.9	0.0
14	34.7	16.8	25.4	0.00	8000	1158163	0.28	27045	3536	184	0.6	0.3	3584	198	1.9	1.3	3680	190	0.2	0.1	3708	175	0.1	0.0
15	30.7	16.1	25.2	0.00	800	1116001	0.27	25130	3584	201	1.4	0.3	3584	178	3.0	1.3	3764	175	0.2	0.1	3644	187	1.9	0.1
16	35.5	16.3	24.8	0.00	2400	1149429	0.39	37386	3636	143	2.5	0.3	3668	144	2.7	0.2	3756	146	0.2	0.1	3904	156	1.8	0.0
17	35.5	15.4	24.6	0.00	0	1156729	0.26	24600																
18	32.0	15.0	24.6	0.00	0	1153213	0.27	25487																
19	37.3	15.2	25.2	0.00	4300	1162914	0.31	30066	3476	144	3.0	0.2	3508	142	3.3	0.2	3660	150	0.4	0.1	3584	148	1.2	0.1
20	34.0	14.7	24.8	0.00	6100	1149802	0.36	34522	3628	138	0.4	0.2	3500	140	2.9	0.5	3712	148	0.2	0.1	3684	141	1.9	0.2
21	34.9	15.7	25.1	0.00	8000	1155408	0.26	24572	3676	136	1.9	0.2	3636	138	3.8	0.1	3872	142	0.2	0.1	3740	139	1.7	0.0
22	31.7	14.9	25.5	0.00	800	1131077	0.31	28771	3584	134	1.5	0.4	3648	126	3.4	1.5	3860	132	0.2	0.1	3728	134	1.8	0.6
23	38.8	15.8	24.0	0.00	1000	1150626	0.24	23031	3544	147	1.2	0.5	3768	151	3.1	0.9	3552	149	0.2	0.1	3640	148	1.4	0.6
24	32.1	15.0	24.5	0.00	0	1156730	0.29	27977																
25	31.4	15.2	26.0	0.00	0	1189951	0.23	22329																
26	37.6	15.8	24.0	0.00	5000	1212279	0.25	24770	3548	175	0.2	0.2	3476	193	3.6	1.5	3724	180	0.9	0.1	3536	170	1.9	1.0
27	35.9	14.6	24.3	0.00	800	1320487	0.25	27532	3772	151	0.3	0.2	3852	161	4.2	1.1	3860	168	1.2	0.2	3812	165	5.1	0.3
28	56.9	15.8	28.0	0.00	4000	1327038	0.34	37629	3560	211	0.2	0.0	3516	213	3.3	0.1	3724	193	1.5	0.1	3572	160	0.1	0.0
29	34.6	16.4	24.7	0.00	3800	1319684	0.48	52830	3468	158	0.7	0.2	3428	201	4.8	2.1	3612	208	1.5	0.4	3612	205	0.0	0.0
30	31.0	12.3	23.9	0.00	5500	1324597	0.27	29275	3600	178	0.2	0.2	3568	160	3.1	0.5	3760	178	1.2	0.2	3916	171		
31	36.5	17.1	25.9	0.00	0	1322891	0.24	26479																
TOTAL	1147.1	491.3	805.2	0.00	74500	36586979	8.61	850521	78432	3486	39.3	5.1	76188	3546	73.1	18.9	79412	3651	10.7	2.5	81196	3652	30.1	3.3
AVG	37.0	15.8	26.0	0.00	2403	1180225	0.28	27436	3565	158	1.8	0.2	3463	161	3.3	0.9	3610	166	0.5	0.1	3691	166	1.4	0.2
MIN	30.7	11.0	23.9	0.00	0	1111775	0.16	15299	3228	130	0.2	0.0	1700	126	0.2	0.0	2172	132	0.1	0.0	3328	134	0.0	0.0
MAX	57.2	21.5	35.9	0.00	8000	1327038	0.48	52830	4276	211	4.4	0.5	3852	213	4.8	2.4	3872	208	1.5	0.4	4236	205	5.1	1.0

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STATE OPERATIONS REPORT

Month: **March, 2012**

DATE	RETURN SLUDGE % FLOW	RETURN SLUDGE % SOLIDS	WASTE SLUDGE LB	SOLIDS LBS IN	SOLIDS LBS OUT	CHLORINE DOSAGE LBS	CHLORINE DOSAGE mg/l	CHLORINE RESIDUAL mg/l #	CHLORINE RESIDUAL mg/l HI	CHLORINE RESIDUAL mg/l LO	CHLORINE RESIDUAL mg/l AVG	FECAL COLIFORM #/100ml
1	54.4	0.88	16496	83774	51191	494.0	2.03	4	0.9	0.7	0.8	<2
2	67.8	0.91		57219	37312	654.9	2.93	4	0.7	0.5	0.6	
3	50.8		18695		73004	737.6	2.46					
4	49.3		19221		88280	485.8	2.01					
5	59.4	0.89	17736	51786	12127	554.6	2.54	4	0.8	0.5	0.6	<6
6	58.6	0.91	19241	43815	34201	725.6	3.30	4	0.8	0.6	0.7	<2
7	55.0	0.93	20005	76561	42135	708.6	3.15	4	0.6	0.5	0.6	<2
8	56.3	0.93	19787	66493	46852	685.9	3.12	4	0.6	0.5	0.6	2
9	55.5	0.96	19235	91205	38751	725.6	3.33	4	0.6	0.5	0.6	
10	58.0		19697		61403	692.2	3.32					
11	64.2		19729		20970	563.4	2.76					
12	56.2	0.89	19314	94529		518.6	2.46	4	0.8	0.6	0.6	2
13	56.1	0.92	19860	90636	31162	664.4	2.96	4	0.7	0.5	0.6	<2
14	59.2	0.92	15116	87700	67405	540.7	2.55	4	0.5	0.2	0.4	<2
15	60.0	0.93	21025	120006	-14737	829.7	3.95	4	0.9	0.8	0.9	2
16	56.5	0.93	19167	72391	37196	777.3	3.76	4	0.9	0.7	0.8	
17	58.6		19605		49800	617.1	3.01					
18	62.4		19563		67107	623.4	3.04					
19	58.7	0.90	19365	76501	-8536	499.7	2.38	4	0.6	0.4	0.5	10
20	58.5	0.90	20603	61222	24205	701.6	3.39	4	0.6	0.5	0.6	<2
21	61.4	0.92	19298	66150	21989	795.6	3.80	4	0.9	0.6	0.8	<2
22	58.8	0.94	17695	58484	50267	831.0	3.91	4	0.9	0.8	0.8	8
23	57.8	0.93	21454	70456	39503	620.9	3.10	4	1.0	0.8	0.9	
24	57.2		19182		24416	833.5	4.08					
25	55.0		20354		67323	697.2	3.22					
26	60.7	0.95	18963	97278	24549	554.6	2.77	4	0.8	0.5	0.6	<2
27	59.3	0.94	19409	93833	32513	592.5	2.92	4	0.6	0.5	0.6	2
28	50.1	0.92	19536	142214	23786	613.3	2.63	4	0.8	0.5	0.7	<2
29	60.0	0.93	18235	163562	20349	605.7	2.94	4	0.6	0.5	0.5	<2
30	58.6	0.91	17568	67771	40881	523.1	2.62	4	0.8	0.5	0.6	
31	54.2		18368		47359	618.3	2.86					
TOTAL	1789.0	20.24	573524	1833587	1152762	20086.6	93.28	88	16.4	12.2	14.2	<52
AVG	57.7	0.92	19117	83345	38425	648.0	3.01	4	0.7	0.6	0.6	<3
MIN	49.3	0.88	15116	43815	-14737	485.8	2.01	4	0.5	0.2	0.4	<2
MAX	67.8	0.96	21454	163562	88280	833.5	4.08	4	1.0	0.8	0.9	10

NOTES: Coliform average is the geometric mean