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: **February, 2013**

	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	45.6	18.9	29.9	0.00	0.00	0.000	0	0	741731	0.28	17321	3288	155	0.2	0.1	3368	142	0.1	0.0
2	37.4	17.3	26.8	0.00	0.00	0.000	0	0	714852	0.42	25040								
3	34.4	17.2	27.1	0.00	0.00	0.000	0	0	738463	0.38	23403								
4	35.6	17.6	27.4	0.00	0.00	0.000	1000	0	751120	0.33	20672	3148	130	0.1	0.1	3256	123	0.1	0.0
5	39.6	16.7	25.3	0.00	0.00	0.000	800	0	732363	0.48	29013	3152	111	0.3	0.1	3148	111	0.7	0.1
6	34.9	17.6	26.9	0.00	0.00	0.000	0	0	740740	0.30	18533	3604	130	0.6	0.2	3680	125	1.5	0.1
7	36.0	16.2	26.4	0.00	0.00	0.000	4800	0	741132	0.43	26269	3572	140	0.8	0.2	3596	136	1.9	0.1
8	35.7	17.1	27.1	0.00	0.00	0.000	0	0	741767	0.44	26911	3680	130	0.5	0.1	3756	130	1.4	0.1
9	32.8	17.7	26.3	0.00	0.00	0.000	0	0	749183	0.28	17495								
10	37.5	15.8	25.7	0.00	0.00	0.000	0	0	749776	0.35	21886								
11	57.9	17.4	33.8	0.00	0.00	0.600	0	0	741940	0.51	31558	3468	156	1.7	0.1	3408	147	3.0	0.0
12	54.4	24.3	36.0	0.00	0.00	0.000	0	0	749144	0.48	29677	3552	183	0.1	0.1	1580	133	5.1	0.0
13	32.5	30.8	31.8	0.00	0.00	0.000	800	0	750353	0.40	24719	3656	213	0.1	0.1	1220	139	4.1	0.0
14	42.1	19.2	30.9	0.00	0.00	0.000	800	0	731153	0.38	22867	4676	171	0.1	0.1	1132	132	3.2	0.0
15	48.2	18.8	33.0	0.00	0.00	0.000	0	0	741879	0.29	17943	4084	164	0.1	0.1	2100	138	0.0	0.0
16	37.8	20.9	31.0	0.00	0.00	0.010	0	0	738279	0.34	20935								
17	36.5	17.7	29.5	0.00	0.00	0.000	0	0	741835	0.40	24748								
18	40.4	16.6	29.6	0.00	0.00	0.000	0	0	742683	0.33	20130								
19	65.1	15.7	36.8	0.01	0.00	0.250	0	0	733500	0.32	19576	3628	143	0.1	0.1	3692	149	0.3	0.0
20	42.7	20.1	31.5	0.00	0.00	0.000	800	0	775605	0.46	29755	3168	152	0.1	0.1	3148	152	0.3	0.2
21	39.8	19.8	30.2	0.00	0.00	0.000	1000	0	823280	0.33	22315	3512	114	0.1	0.1	3460	116	0.2	0.1
22	37.9	20.1	29.8	0.00	0.00	0.000	3800	0	825060	0.36	24772	3584	142	0.1	0.1	3556	141	0.3	0.2
23	61.0	19.3	35.0	0.00	0.00	0.300	0	0	822570	0.26	17837								
24	53.7	24.0	35.4	0.00	0.00	0.000	0	0	817980	0.37	25241								
25	43.0	23.4	34.1	0.00	0.00	0.000	1000	0	827581	0.21	14494	3324	141	0.1	0.1	3224	186	0.2	0.1
26	44.0	24.9	34.0	0.00	0.00	0.150	800	0	823240	0.31	21284	3380	142	0.1	0.1	3448	154	0.3	0.2
27	82.0	24.9	69.7	11.58	21.42	1.510	800	0	822273	0.43	29488	3632	193	0.1	0.1	496	202	8.9	2.1
28	61.0	46.1	54.3	0.00	0.00	0.010	4000	0	819666	0.36	24610	3532	212	0.1	0.1	1804	144	4.7	2.2
TOTAL	1249.5	576.1	915.3	11.59	21.42	2.830	20400	0	21429148	10.19	648491	67640	2922	5.4	2.1	53072	2700	36.3	5.5
AVG	44.6	20.6	32.7	0.41	0.77	0.101	729	0	765327	0.36	23160	3560	154	0.3	0.1	2793	142	1.9	0.3
MIN	32.5	15.7	25.3	0.00	0.00	0.000	0	0	714852	0.21	14494	3148	111	0.1	0.1	496	111	0.0	0.0
MAX	82.0	46.1	69.7	11.58	21.42	1.510	4800	0	827581	0.51	31558	4676	213	1.7	0.2	3756	202	8.9	2.2

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STATE OPERATIONS REPORT

Month: **February, 2013**

	AERATION TANK 3				AERATION TANK 4				RETURN SLUDGE		WASTE	SOLIDS		CHLORINE DOSAGE		CHLORINE RESIDUAL mg/l				FECAL COLIFORM
	MLSS	SVI	D.O. HI	D.O. LO	MLSS	SVI	D.O. HI	D.O. LO	%	%	SLUDGE	LBS	LBS							
DATE	mg/l				mg/l				FLOW	SOLIDS	LB	IN	OUT	LBS	mg/l	#	HI	LO	AVG	#/100ml
1	3600.0	142.00	0.1	0.00	3556.0	135.00	0.7	0.00	60.0	0.90	21402	84036	29707	615.8	2.47	4	0.9	0.7	0.8	
2									60.7		21073		67081	489.6	2.19					
3									71.6		21277		96732	543.3	2.40					
4	3628.0	138.00	0.2	0.00	3664.0	131.00	0.5	0.00	71.3	0.93	21887	58272	23601	532.5	2.33	4	0.7	0.6	0.7	4
5	3608.0	111.00	0.2	0.10	3644.0	110.00	2.2	0.20	72.9	0.92	21991	62457	7142	557.8	2.64	4	1.0	0.6	0.8	12
6	3740.0	134.00	0.4	0.00	3680.0	133.00	2.1	0.80	68.3	0.98	23481	61022	18236	514.9	2.29	4	0.7	0.5	0.6	<2
7	3624.0	138.00	0.7	0.10	3648.0	129.00	2.5	0.40	66.8	0.95	20496	156985	6421	486.5	2.21	4	0.8	0.7	0.8	8
8	3760.0	128.00	0.5	0.20	3544.0	138.00	1.9	0.10	80.2	0.95	21317	172675	59614	521.2	2.31	4	0.8	0.6	0.7	
9									66.9		22952		82539	517.4	2.36					
10									69.6		25403		82816	502.9	2.35					
11	3500.0	137.00	1.4	0.00	3412.0	138.00	2.7	0.00	55.6	0.90	17221	106837	69457	813.9	2.89	4	0.8	0.7	0.8	36
12	1540.0	136.00	0.1	0.00	3772.0	172.00	0.0	0.00	63.0	0.84	18890	84367	33816	845.5	2.82	4	0.9	0.6	0.7	34
13	1676.0	149.00	0.1	0.00	4268.0	187.00	0.0	0.00	79.1	0.77	19174	68159	21878	762.8	2.88	4	0.8	0.7	0.8	18
14	2184.0	142.00	0.3	0.00	4636.0	166.00	0.0	0.00	72.3	0.75	18757	70611	-24591	800.1	3.10	4	0.9	0.7	0.8	26
15	2832.0	145.00	0.1	0.00	4200.0	155.00	0.0	0.00	66.6	0.83	19709	78713	25885	597.5	2.17	4	0.8	0.6	0.7	
16									70.0		20305		26244	545.8	2.11					
17									71.6		21785		85203	473.2	1.92					
18									72.6		20970		44768	488.4	1.98					
19	3668.0	153.00	0.1	0.00	3472.0	156.00	0.0	0.00	74.6	0.87	21273	115399	32276	693.4	2.26	4	0.8	0.6	0.7	10
20	3288.0	158.00	0.0	0.00	3212.0	156.00	0.0	0.00	69.6	0.77	20340	53856	17985	490.3	1.87	4	1.0	0.7	0.8	17
21	3456.0	119.00	0.1	0.00	3364.0	119.00	0.0	0.00	73.3	0.83	20818	66241	26646	468.2	1.86	4	0.9	0.8	0.8	9
22	3456.0	145.00	0.0	0.00	3432.0	143.00	0.0	0.00	73.5	0.83	21110	62630	32769	454.9	1.83	4	0.9	0.6	0.8	
23									69.2		20270		52111	598.2	2.05					
24									72.4		19662		82668	628.4	2.13					
25	3228.0	192.00	0.0	0.00	3180.0	189.00	0.0	0.00	73.2	0.78	13384	54604	32073	480.2	1.69	4	0.9	0.6	0.8	4
26	3452.0	191.00	0.0	0.00	3260.0	156.00	0.0	0.00	75.0	0.82		65219	32632	639.2	2.25	4	0.9	0.6	0.8	4
27	656.0	152.00	5.9	0.50	3592.0	173.00	0.0	0.00	40.9	0.60	20333	197641	12777	1624.7	2.79	4	0.6	0.4	0.5	137
28	1372.0	138.00	2.2	0.20	3520.0	170.00	0.1	0.00	50.0	0.66	19826	84232	31069	750.8	1.66	4	0.8	0.7	0.7	10
TOTAL	56268.0	2748.00	12.4	1.10	69056.0	2856.00	12.7	1.50	1910.8	15.87	555103	1703957	1109555	17437.2	63.81	76	15.9	12.0	13.8	<331
AVG	2961.5	144.63	0.7	0.06	3634.5	150.32	0.7	0.08	68.2	0.84	20559	89682	39627	622.8	2.28	4	0.8	0.6	0.7	<12
MIN	656.0	111.00	0.0	0.00	3180.0	110.00	0.0	0.00	40.9	0.60	13384	53856	-24591	454.9	1.66	4	0.6	0.4	0.5	<2
MAX	3760.0	192.00	5.9	0.50	4636.0	189.00	2.7	0.80	80.2	0.98	25403	197641	96732	1624.7	3.10	4	1.0	0.8	0.8	137

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	6.5	0.0							337	67	21.1	5	55	58	7.3	6.9	7.3	750.0	
2																			
3											10.0								
4	15.0	0.0	336		6.4				255	76	7.0	3	55	57	7.2	6.9	5.1	650.0	
5	10.0	0.0	347	147	12.4				296	80	13.6	6	56	54	7.2	6.9	6.9	600.0	78.0
6	9.5	0.0	412	129	5.4				272	127	5.4	4	57	59	7.3	6.9	7.9	660.0	
7	10.0	0.0	528	204	5.4				713	78	5.0	3	56	60	7.3	6.8	7.8	560.0	
8	7.0	0.0							764		6.6	3	56	59	7.0	6.9	7.2	770.0	
9										92									
10											6.2								
11	5.0	0.1							379	88	50.4	8	55	58	7.1	6.7	6.7	700.0	
12	7.5	0.2	322	150	54.3				281	78	54.2	11	53	55	6.9	6.9	6.7	690.0	
13	7.5	0.0	292	158	24.0				257	69	25.0	7	56	56	7.2	7.0	6.5	620.0	
14	7.5	0.0							274	82	12.4	7	56	59	7.2	7.0	7.2	640.0	
15	26.0	0.0							286	87	18.0	5	57	59	6.7	7.0	6.2	600.0	
16																			
17											9.7								
18					6.4						5.4								
19	10.0	0.0	306	188	34.8				376	122	194.6	2	56	58	7.1	6.9	5.9	500.0	
20	6.0	0.0	301	143	11.3				205	79	10.3	3	54	54	7.2	7.0	6.6	540.0	
21	10.0	0.0							263	77	5.6	2	56	56	7.1	7.0	6.5	460.0	
22	6.5	0.0							252	79	3.4	2	56	58	7.2	7.0	7.5	520.0	
23																			
24											16.3								
25	7.0	0.0	258		7.5				192	59	6.0	2	56	57	7.2	7.0	5.6	560.0	
26	5.5	0.0	264	148	5.3				230	52	4.2	4	56	58	7.2	6.9	6.0	610.0	
27	2.5	30.0	240	92	167.6				340	95	240.6	117	46	48	7.0	6.8	4.3	620.0	
28	4.5	0.0	154	81	19.3				186	54	15.5	15	52	52	7.1	6.8	5.8	570.0	
TOTAL	163.5	30.3	3760	1440	360.1				6158	1541	746.5	209	1044	1075	135.5	131.3	123.7	11620.0	78.0
AVG	8.6	1.6	313	144	27.7				324	81	31.1	11	55	57	7.1	6.9	6.5	611.6	78.0
MIN	2.5	0.0	154	81	5.3				186	52	3.4	2	46	48	6.7	6.7	4.3	460.0	78.0
MAX	26.0	30.0	528	204	167.6				764	127	240.6	117	57	60	7.3	7.0	7.9	770.0	78.0

NOTES: 0.0 = TRACE for settleable solids

* Note: Sample collected and analyzed

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STATE OPERATIONS REPORT

Month: **February, 2013**

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

		INFLUENT	EFFLUENT
2) TEMPERATURE (00011)	Maximum	57 F	60 F
Plnt Ef - Plant Effluent	Monthly Average		32.7 MGD
Flow Mgd - Flow Thru Treatment Plant Mgd	Daily Maximum		82.0 MGD
4) TURBIDITY (00070)	Maximum		117.00 ntu
5) ULTIMATE OXYGEN DEMAND (00181)	Monthly Average	mg/l	mg/l
6) DISSOLVED OXYGEN (00300)	Minimum		4.3 mg/l
7) BIOCHEMICAL OXYGEN DEMAND (00310)	Monthly Average	313 mg/l	27.7 mg/l
	Daily Maximum	528 mg/l	167.6 mg/l
8) PH (00400)	Monthly Minimum	6.7 S.U.	6.7 S.U.
	Monthly Maximum	7.3 S.U.	7.0 S.U.
9) SUSPENDED SOLIDS (00530)	Monthly Average	324 mg/l	31.1 mg/l
	Daily Maximum	764 mg/l	240.6 mg/l
10) SETTLEABLE SOLIDS (00545)	Maximum	26.0 ml/l	30.0 ml/l

		INFLUENT	EFFLUENT
11) TOTAL ORGANIC N (00605)	Monthly Average	16.5 mg/l	>4.2 mg/l
12) AMMONIA as N (00610)	Monthly Average	15.6 mg/l	<4.0 mg/l
13) NITRATE-NITRITE (00630)	Monthly Average	<0.1 mg/l	1.8 mg/l
14) TOTAL PHOSPHORUS (00665)	Monthly Average		2.3 mg/l
15) TOTAL CL RESIDUAL (50060)	Daily Minimum		0.4 mg/l
	Daily Maximum		1.0 mg/l
16) FECAL COLIFORM (74055)	30-Day Geo. Mean		<12 /100ml
	Maximum 7-Day Geo. Mean		28 /100ml
17) BIOCHEMICAL OXYGEN DEMAN (81010)	Percent Removal		91 %
18) SUSPENDED SOLIDS (81011)	Percent Removal		90 %
19) TOTAL PHOSPHORUS (81012)	Percent Removal		%

Monthly Chemical Report

East Shore W.P.A.F. **Month: February, 2013**

DAY	Effluent Hypo GPD	Main Scrubber Hypo GPD	Main Scrubber Caustic GPD	Inlet Works Scrubber Hypo GPD	Inlet Works Scrubber Casutic GPD
01	462.6	36.1	19.4	117.0	91.3
02	367.8	164.5	19.3	119.3	126.8
03	408.1	33.5	21.8	51.9	43.7
04	400.1	55.4	21.0	173.9	47.2
05	419.0	96.9	21.3	179.0	20.3
06	386.8	47.5	20.5	154.1	15.6
07	365.5	58.8	36.4	235.2	22.2
08	391.5	39.6	37.9	314.3	46.0
09	388.7	28.1	229.4	87.8	6.6
10	377.8	34.6	217.4	150.2	12.9
11	611.5	104.9	29.8	32.0	23.8
12	635.2	204.3	28.5	137.7	154.8
13	573.1	38.0	26.4	276.1	59.3
14	601.0	37.0	25.4	487.5	0.0
15	448.9	34.5	23.4	3.9	3.9
16	410.0	47.8	23.8	43.7	19.9
17	355.5	45.0	22.5	119.0	39.0
18	366.9	54.6	20.4	66.7	0.0
19	520.9	92.5	18.3	321.4	88.9
20	368.3	35.0	20.4	225.8	56.9
21	351.7	21.4	18.3	265.6	58.5
22	341.8	47.8	17.3	234.4	3.1
23	449.4	36.6	17.4	296.0	50.7
24	472.1	88.4	17.3	250.4	66.3
25	360.7	136.1	17.9	688.7	179.8
26	480.2	84.3	30.5	931.3	289.4
27	1220.6	256.6	28.4	451.6	166.5
28	564.1	183.4	26.4	1008.2	202.0
Total	13099.5	2143.0	1056.0	7422.5	1895.4
Avg	467.8	76.5	37.7	265.1	67.7

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NUTRIENT REPORT: Stamford Regional Lab Results

Month: **February, 2013**

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							138	7.20													
2																					
3																4.3	1.8	<0.9			2.5
4	32.8	32.1	15.6	<0.1	0.7		142	7.20	30.9	30.6	18.2	<0.1	0.3	2.3	1.6	4.7	2.8	0.9	<0.1	1.9	1.9
5						162	145	7.10													
6							145	7.10								5.8	1.8				4.0
7							147	7.20								5.9	1.9				4.0
8								7.00													
9							126														
10																7.7	2.1				5.6
11							122	7.00								13.1	9.9	3.9			3.2
12							109	7.00													
13							124	7.00								15.5	15.3				0.2
14							122	7.00								12.5	12.3				0.2
15							115	7.00													
16																					
17																6.7	6.5				0.2
18																6.2	5.6	4.9			0.6
19							121	7.00													
20							111	7.00								8.7	8.3				0.4
21							127	7.00								10.3	10.0				0.3
22							135	7.00													
23																					
24																13.1	12.9				0.2
25							124	7.00								11.1	10.7	9.5			0.4
26							134	7.00													
27							101	6.80								24.8	22.7				2.1
28							90	7.00								10.4	7.2				3.2
TOTAL	32.8	32.1	15.6	<0.1	0.7	162	2378	133.60	30.9	30.6	18.2	<0.1	0.3	2.3	1.6	160.8	131.8	<20.1	<0.1	1.9	29.0
AVG	32.8	32.1	15.6	<0.1	0.7	162	125	7.03	30.9	30.6	18.2	<0.1	0.3	2.3	1.6	10.1	8.2	<4.0	<0.1	1.9	1.8
MIN	32.8	32.1	15.6	<0.1	0.7	162	90	6.80	30.9	30.6	18.2	<0.1	0.3	2.3	1.6	4.3	1.8	<0.9	<0.1	1.9	0.2
MAX	32.8	32.1	15.6	<0.1	0.7	162	147	7.20	30.9	30.6	18.2	<0.1	0.3	2.3	1.6	24.8	22.7	9.5	<0.1	1.9	5.6

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:	**3/12/2013**

Monthly Solids Report

East Shoe W.P.A.F. **Month: February, 2013**

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	0	20433	177	27.7	117.0	64835	12	35128	29707
2	0	19215	216	27.0	185.0	99878	11	32797	67081
3	0	17564	142	26.8	180.5	96732	0	0	96732
4	0	27355	173	26.3	116.0	61005	15	37405	23601
5	0	28198	155	24.7	151.4	74797	24	67654	7142
6	0	22518	161	24.6	160.7	79059	22	60824	18236
7	0	21100	166	23.7	120.5	57108	17	50686	6421
8	0	22343	213	23.4	166.3	77828	7	18215	59614
9	0	22768	181	25.8	160.0	82539	0	0	82539
10	0	54677	224	25.6	161.8	82816	0	0	82816
11	0	22893	220	23.1	150.3	69457	0	0	69457
12	0	21250	160	25.2	137.9	69486	14	35670	33816
13	0	22118	217	26.2	142.6	74733	25	52855	21878
14	0	19207	262	22.8	179.1	81660	20	106252	-24591
15	0	23911	231	25.1	183.9	92293	25	66407	25885
16	0	18348	242	23.7	181.2	85875	22	59631	26244
17	0	18807	226	24.9	171.1	85203	0	0	85203
18	0	19816	217	25.1	170.2	85425	15	40658	44768
19	0	22935	178	24.5	177.8	87137	22	54861	32276
20	0	19516	242	25.5	181.1	92361	28	74376	17985
21	0	19891	200	25.0	188.6	94300	26	67654	26646
22	0	17247	161	24.8	181.7	90123	23	57354	32769
23	0	27672	205	25.6	179.6	91955	15	39844	52111
24	0	36079	173	23.3	177.4	82668	0	0	82668
25	0	29749	141	25.8	175.9	81946	23	49873	40865
26	0			27.5	165.8	91179	24	58547	32632
27	0	21167	242	23.1	164.9	76202	30	63426	12777
28	0	16138	248	24.3	176.8	85930	23	54861	31069
Total	0	632914	5376	701.1	4604.8	2294532	443	1184976	1118348
Avg	0	23441	199	25.0	164.5	81948	16	42321	39941

Monthly Utilities Report

East Shore W.P.A.F. **Month: February, 2013**

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	66.0	45.0	94.0	259.0	121.7	0.0	
02	57.6	61.0	129.0	286.0	105.0	0.0	
03	62.4	76.0	160.0	306.0	122.6	1.0	
04	58.0	67.0	139.0	303.0	111.9	0.0	
05	62.0	52.0	113.0	301.0	95.8	1.0	
06	57.6	65.0	137.0	286.0	123.6	0.0	
07	52.8	73.0	155.0	374.0	122.6	1.0	
08	62.4	53.0	145.0	404.0	121.8	0.0	
09	53.0	70.0	150.0	405.0	112.0	0.0	
10	58.0	75.0	150.0	407.0	140.2	0.0	
11	48.0	78.0	233.0	377.0	108.5	0.0	
12	43.2	75.0	187.0	347.0	115.6	1.0	
13	43.0	79.0	138.0	360.0	119.5	0.0	
14	48.0	79.0	167.0	349.0	123.6	0.0	
15	43.2	62.0	130.0	339.0	114.3	0.0	
16	58.0	69.0	145.0	354.0	113.3	0.0	
17	58.0	71.0	150.0	431.0	110.6	0.0	
18	57.6	76.0	160.0	381.0	120.9	1.0	
19	53.0	64.0	135.0	355.0	107.1	0.0	
20	53.0	71.0	150.0	368.0	119.5	0.0	
21	52.8	79.0	166.0	398.0	112.0	0.0	
22	53.0	76.0	161.0	358.0	111.3	0.0	
23	53.0	74.0	156.0	358.0	107.6	0.0	
24	48.0	72.0	150.0	355.0	112.0	0.0	
25	53.0	78.0	165.0	339.0	111.3	0.0	
26	53.0	90.0	190.0	350.0	109.3	0.0	
27	43.0	67.0	141.0	331.0	138.8	1.0	
28	53.0	72.0	151.0	325.0	122.4	0.0	
Total	1503.6	1969.0	4247.0	9806.0	3254.8	6.0	
Avg	53.7	70.3	151.7	350.2	116.2	0.2	

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: **February, 2013**

	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	45.6	18.9	29.9	0.00	0	741731	0.28	17321	3288	155	0.2	0.1	3368	142	0.1	0.0	3600	142	0.1	0.0	3556	135	0.7	0.0
2	37.4	17.3	26.8	0.00	0	714852	0.42	25040																
3	34.4	17.2	27.1	0.00	0	738463	0.38	23403																
4	35.6	17.6	27.4	0.00	1000	751120	0.33	20672	3148	130	0.1	0.1	3256	123	0.1	0.0	3628	138	0.2	0.0	3664	131	0.5	0.0
5	39.6	16.7	25.3	0.00	800	732363	0.48	29013	3152	111	0.3	0.1	3148	111	0.7	0.1	3608	111	0.2	0.1	3644	110	2.2	0.2
6	34.9	17.6	26.9	0.00	0	740740	0.30	18533	3604	130	0.6	0.2	3680	125	1.5	0.1	3740	134	0.4	0.0	3680	133	2.1	0.8
7	36.0	16.2	26.4	0.00	4800	741132	0.43	26269	3572	140	0.8	0.2	3596	136	1.9	0.1	3624	138	0.7	0.1	3648	129	2.5	0.4
8	35.7	17.1	27.1	0.00	0	741767	0.44	26911	3680	130	0.5	0.1	3756	130	1.4	0.1	3760	128	0.5	0.2	3544	138	1.9	0.1
9	32.8	17.7	26.3	0.00	0	749183	0.28	17495																
10	37.5	15.8	25.7	0.00	0	749776	0.35	21886																
11	57.9	17.4	33.8	0.00	0	741940	0.51	31558	3468	156	1.7	0.1	3408	147	3.0	0.0	3500	137	1.4	0.0	3412	138	2.7	0.0
12	54.4	24.3	36.0	0.00	0	749144	0.48	29677	3552	183	0.1	0.1	1580	133	5.1	0.0	1540	136	0.1	0.0	3772	172	0.0	0.0
13	32.5	30.8	31.8	0.00	800	750353	0.40	24719	3656	213	0.1	0.1	1220	139	4.1	0.0	1676	149	0.1	0.0	4268	187	0.0	0.0
14	42.1	19.2	30.9	0.00	800	731153	0.38	22867	4676	171	0.1	0.1	1132	132	3.2	0.0	2184	142	0.3	0.0	4636	166	0.0	0.0
15	48.2	18.8	33.0	0.00	0	741879	0.29	17943	4084	164	0.1	0.1	2100	138	0.0	0.0	2832	145	0.1	0.0	4200	155	0.0	0.0
16	37.8	20.9	31.0	0.00	0	738279	0.34	20935																
17	36.5	17.7	29.5	0.00	0	741835	0.40	24748																
18	40.4	16.6	29.6	0.00	0	742683	0.33	20130																
19	65.1	15.7	36.8	0.01	0	733500	0.32	19576	3628	143	0.1	0.1	3692	149	0.3	0.0	3668	153	0.1	0.0	3472	156	0.0	0.0
20	42.7	20.1	31.5	0.00	800	775605	0.46	29755	3168	152	0.1	0.1	3148	152	0.3	0.2	3288	158	0.0	0.0	3212	156	0.0	0.0
21	39.8	19.8	30.2	0.00	1000	823280	0.33	22315	3512	114	0.1	0.1	3460	116	0.2	0.1	3456	119	0.1	0.0	3364	119	0.0	0.0
22	37.9	20.1	29.8	0.00	3800	825060	0.36	24772	3584	142	0.1	0.1	3556	141	0.3	0.2	3456	145	0.0	0.0	3432	143	0.0	0.0
23	61.0	19.3	35.0	0.00	0	822570	0.26	17837																
24	53.7	24.0	35.4	0.00	0	817980	0.37	25241																
25	43.0	23.4	34.1	0.00	1000	827581	0.21	14494	3324	141	0.1	0.1	3224	186	0.2	0.1	3228	192	0.0	0.0	3180	189	0.0	0.0
26	44.0	24.9	34.0	0.00	800	823240	0.31	21284	3380	142	0.1	0.1	3448	154	0.3	0.2	3452	191	0.0	0.0	3260	156	0.0	0.0
27	82.0	24.9	69.7	11.58	800	822273	0.43	29488	3632	193	0.1	0.1	496	202	8.9	2.1	656	152	5.9	0.5	3592	173	0.0	0.0
28	61.0	46.1	54.3	0.00	4000	819666	0.36	24610	3532	212	0.1	0.1	1804	144	4.7	2.2	1372	138	2.2	0.2	3520	170	0.1	0.0
TOTAL	1249.5	576.1	915.3	11.59	20400	21429148	10.19	648491	67640	2922	5.4	2.1	53072	2700	36.3	5.5	56268	2748	12.4	1.1	69056	2856	12.7	1.5
AVG	44.6	20.6	32.7	0.41	729	765327	0.36	23160	3560	154	0.3	0.1	2793	142	1.9	0.3	2961	145	0.7	0.1	3635	150	0.7	0.1
MIN	32.5	15.7	25.3	0.00	0	714852	0.21	14494	3148	111	0.1	0.1	496	111	0.0	0.0	656	111	0.0	0.0	3180	110	0.0	0.0
MAX	82.0	46.1	69.7	11.58	4800	827581	0.51	31558	4676	213	1.7	0.2	3756	202	8.9	2.2	3760	192	5.9	0.5	4636	189	2.7	0.8

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STATE OPERATIONS REPORT

Month: **February, 2013**

	RETURN SLUDGE		WASTE	SOLIDS		CHLORINE DOSAGE		CHLORINE RESIDUAL mg/l				FECAL COLIFORM
	%	%	SLUDGE	LBS	LBS							
DATE	FLOW	SOLIDS	LB	IN	OUT	LBS	mg/l	#	HI	LO	AVG	#/100ml
1	60.0	0.90	21402	84036	29707	615.8	2.47	4	0.9	0.7	0.8	
2	60.7		21073		67081	489.6	2.19					
3	71.6		21277		96732	543.3	2.40					
4	71.3	0.93	21887	58272	23601	532.5	2.33	4	0.7	0.6	0.7	4
5	72.9	0.92	21991	62457	7142	557.8	2.64	4	1.0	0.6	0.8	12
6	68.3	0.98	23481	61022	18236	514.9	2.29	4	0.7	0.5	0.6	<2
7	66.8	0.95	20496	156985	6421	486.5	2.21	4	0.8	0.7	0.8	8
8	80.2	0.95	21317	172675	59614	521.2	2.31	4	0.8	0.6	0.7	
9	66.9		22952		82539	517.4	2.36					
10	69.6		25403		82816	502.9	2.35					
11	55.6	0.90	17221	106837	69457	813.9	2.89	4	0.8	0.7	0.8	36
12	63.0	0.84	18890	84367	33816	845.5	2.82	4	0.9	0.6	0.7	34
13	79.1	0.77	19174	68159	21878	762.8	2.88	4	0.8	0.7	0.8	18
14	72.3	0.75	18757	70611	-24591	800.1	3.10	4	0.9	0.7	0.8	26
15	66.6	0.83	19709	78713	25885	597.5	2.17	4	0.8	0.6	0.7	
16	70.0		20305		26244	545.8	2.11					
17	71.6		21785		85203	473.2	1.92					
18	72.6		20970		44768	488.4	1.98					
19	74.6	0.87	21273	115399	32276	693.4	2.26	4	0.8	0.6	0.7	10
20	69.6	0.77	20340	53856	17985	490.3	1.87	4	1.0	0.7	0.8	17
21	73.3	0.83	20818	66241	26646	468.2	1.86	4	0.9	0.8	0.8	9
22	73.5	0.83	21110	62630	32769	454.9	1.83	4	0.9	0.6	0.8	
23	69.2		20270		52111	598.2	2.05					
24	72.4		19662		82668	628.4	2.13					
25	73.2	0.78	13384	54604	32073	480.2	1.69	4	0.9	0.6	0.8	4
26	75.0	0.82		65219	32632	639.2	2.25	4	0.9	0.6	0.8	4
27	40.9	0.60	20333	197641	12777	1624.7	2.79	4	0.6	0.4	0.5	137
28	50.0	0.66	19826	84232	31069	750.8	1.66	4	0.8	0.7	0.7	10
TOTAL	1910.8	15.87	555103	1703957	1109555	17437.2	63.81	76	15.9	12.0	13.8	<331
AVG	68.2	0.84	20559	89682	39627	622.8	2.28	4	0.8	0.6	0.7	<12
MIN	40.9	0.60	13384	53856	-24591	454.9	1.66	4	0.6	0.4	0.5	<2
MAX	80.2	0.98	25403	197641	96732	1624.7	3.10	4	1.0	0.8	0.8	137

NOTES: Coliform average is the geometric mean