

# East Lyme Water Department

## Well Production

Month: AUGUST Year: 2015

Day	Well 1A	Well 2A	Well 3A	Well 3B	Well 4A	Well 5	Well 6	Wells 3A/3B	Wells 2A/3A/3B	Daily Total	
1	646	264	0	680	145	0	306	680	944	2041	
2	754	337	0	902	190	0	301	902	1239	2544	4585
3	669	311	0	791	137	0	310	791	1102	2218	
4	601	231	0	853	123	0	264	853	1084	2072	
5	661	161	0	686	160	0	348	686	847	2016	
6	728	301	0	828	150	0	385	828	1129	2392	
7	610	199	0	771	170	0	288	771	970	2038	
8	660	256	0	823	158	0	348	823	1079	2245	
9	846	351	0	912	183	0	358	912	1263	2650	15631
10	641	286	0	860	146	0	79	860	1146	2012	
11	519	212	0	526	116	103	218	526	738	1694	
12	417	230	0	644	118	328	244	644	874	1981	
13	684	313	8	467	144	354	333	475	788	2303	
14	448	203	0	762	129	101	206	762	965	1849	
15	664	283	0	661	145	0	330	661	944	2063	
16	758	346	0	867	152	0	282	867	1213	2505	14407
17	716	288	0	735	155	0	318	735	1023	2218	
18	579	285	0	740	166	0	301	740	1025	2071	
19	583	289	0	734	144	0	278	734	1023	2048	
20	592	262	0	733	119	0	282	733	975	1988	
21	461	222	0	533	128	0	200	533	755	1514	
22	582	297	0	791	134	0	277	791	1088	2081	
23	618	293	0	727	144	0	305	727	1020	2087	14007
24	435	183	0	609	108	229	207	609	792	1771	
25	554	268	0	629	127	114	285	629	897	1977	
26	478	230	0	725	113	0	213	725	955	1759	
27	623	251	2	590	132	255	335	590	843	2188	
28	469	262	0	664	135	0	206	664	926	1736	
29	577	264	0	707	133	0	275	707	971	1956	
30	775	349	7	944	190	0	403	951	1300	2668	14055
31	629	295	0	744	150	0	339	749	1044	2162	2162
Monthly Total										64847	

EAST LYME  
WELLS



STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH  
DRINKING WATER SECTION

TREATMENT EFFLUENT MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWS ID: CT045001  
PWS Name: EAST LYME WATER  
City/Town: EAST LYME

2. Compliance Information:

Water System Facility ID: 00704 WELL 3A | 3B FLT PLANT  
Month: JULY Year: 2015  
Certified Operator: MARK ALFERIE

3. Analytical Results:

Day	Status <sup>1</sup>	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)	Day	Status <sup>1</sup>	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)
1		.44	7.0		.56	17		.39	7.0		.62
2		.38	7.2		.81	18		.35	7.1		.84
3		.19	7.0		.80	19		.34	7.1		.99
4		.21	7.0		.71	20		.50	7.2		.74
5		.14	7.1		.90	21		.46	7.2		.83
6		.37	7.1		.89	22		.43	7.2		.45
7		.27	7.3		.89	23		.46	7.2		.81
8		.26	7.3		.46	24		.37	7.1		.77
9		.59	7.4		.56	25		.34	7.0		.70
10		.41	7.5		.90	26		.41	7.0		.65
11		.56	7.4		.90	27		.41	7.0		.87
12		.55	7.3		.83	28		.45	7.0		.80
13		.47	7.2		.63	29		.54	7.1		.80
14		.52	7.3		.49	30		.38	7.2		.66
15		.54	7.2		.84	31		.41	7.0		.74
16		.52	7.2		.43						

4. Summary Information (Check all summary types that are applicable regardless of Status):

Summary Type	Treatment Summary Name	Monitoring Requirements			Highest Daily Reading	Monthly Average	Lowest Daily Reading	Level Compliance (Y/N) <sup>4</sup>	
		Number of Days Required <sup>2</sup>	Completed	Compliance (Y/N) <sup>3</sup>					
<input type="checkbox"/>	CILR	Monthly Chlorine Log	31	31	Y	.59	.40	.14	Y
<input type="checkbox"/>	PHRD	Monthly pH Log	31	31	Y	7.5	7.15	7.0	Y
<input type="checkbox"/>	PHOS	Monthly Phosphate Log							
<input type="checkbox"/>	FLRD	Monthly Fluoride Log	31	31	Y	.99	.73	.45	Y

- 1 Status indicates a Water System Facility was offline on any particular day of the month. Fill with "offline" when applicable.
- 2 The Number of Samples Required is contingent on the number of days the Water System Facility or treatment process was online. If the facility or treatment process was not online but monitoring is normally required Number of Days Required = "0" and the Summary Type must be checked.
- 3 The M&R (Monitoring & Reporting) Complied field is an indicator ensuring Number of Samples Taken ≥ Number of Samples Required.
- 4 The Level Complied field is an indicator ensuring that the Highest and Lowest Readings are within required ranges for treatment effluents. Operating Limits are provided in the current Schedule of Water Quality Monitoring Requirements.

Fluoride  
Chlorine  
Content

8

Client ID: WELL #1A



Parameter	Result	RL/ PQL	DIL	Units	DW MCL	Sec Goal	Date/Time	By	Reference
Escherichia Coli	Absent	0	1	/100 ml	0		09/10/15 21:50	RS/CB	SM9223B-04
Total Coliforms	Absent	0	1	/100 ml	0		09/10/15 21:50	RS/CB	SM9223B-04
Hardness (CaCO3)	30.5	0.1	1	mg/L			09/15/15		E200.7
Chloride	59.3	3.0	1	mg/L		250	09/11/15	BS/EG	E300.0
Chlorine Residual	0.32	0.02	1	mg/L	4		09/10/15 17:40	O	SM4500CL-G-00
Color, Apparent	< 1	1	1	Color Units		15	09/10/15 20:45	DH/EG	SM2120B-01
Nitrite as Nitrogen	< 0.004	0.004	1	mg/L	1		09/15/15 03:59	BS/EG	E300.0
Nitrate as Nitrogen	0.35	0.05	1	mg/L	10		09/14/15 03:59	BS/EG	E300.0
Odor at Room Temperature	< 1	1	1	T.O.N.		3	09/10/15 20:45	DH/EG	SM2150B-97
Ortho-Phosphate as Phosphorus	0.02	0.01	1	mg/L			09/10/15 18:51	CAL	SM4500PF-59
pH	7.40	0.10	1	pH Units		6.5-8.5	09/11/15 04:14	RR/EG	SM4500-H-B-00
Sulfate	7.6	3.0	1	mg/L		250	09/11/15	BS/EG	E300.0
Turbidity	0.41	0.20	1	NTU		5	09/10/15 18:47		SM2130B-01
Calcium	8.02	0.005	1	mg/L			09/12/15	LK	E200.7
Iron	0.369	0.002	1	mg/L		0.3	09/12/15	LK	E200.7
*** Iron exceeds Secondary Goal ***									
Magnesium	2.54	0.01	1	mg/L			09/12/15	LK	E200.7
Manganese	0.284	0.001	1	mg/L		0.05	09/12/15	LK	E200.7
*** Manganese exceeds Secondary Goal ***									
Sodium	31.8	0.50	10	mg/L		28	09/15/15	LK	E200.7
*** Sodium exceeds Secondary Goal ***									
Total Metal Digestion	Completed						09/11/15	CB/CB	E200.5/E200.7

Water Quality Test

Well 1A

16 SC015

