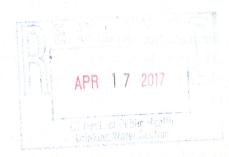
Elizabeth Kozarec 23 Highland Street Guilford, CT 06437



Dear Ms. Kozarec:

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Elizabeth Kozarec April 11, 2017 Page 2 of 5



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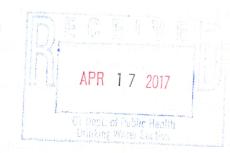


Sincerely, WRIGHT-PIERCE

Mariusz Jedrychowski, P.E. Senior Project Manager

Cc: Eric McPhee - CT Department of Public Health Drinking Water Section Dennis Johnson, Town of Guilford

Tiffany Simonds 23 Highland Street Guilford, CT 06437



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Tiffany Simonds April 11, 2017 Page 5 of 5



Sincerely, WRIGHT-PIERCE

Mariusz Jedrychowski, P.E.

Senior Project Manager

Cc: Eric McPhee - CT Department of Public Health Drinking Water Section

Dennis Johnson, Town of Guilford

Chris Tietjen 18 Meriden Street Guilford, CT 06437 APR 1.7 2017

Gr Denk, of Pablic Health Utilithing Water Section

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Chris Tietjen April 11, 2017 Page 2 of 5



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Mariusz Jedrychowski, P.E.

Senior Project Manager

Cc: Eric McPhee - CT Department of Public Health Drinking Water Section Dennis Johnson, Town of Guilford

Brian Walls 724 Mulberry Point Road Guilford, CT 06437

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Phone: 860.343.8297 | Fax: 860.343.9504

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Land use controls currently exist as a combination of Public Health code and local zoning regulations. The Public Health Code regulates the development or change in use of property with respect to its potential increase in wastewater production. An increase in bedroom capacity or habitable space among homes on small lots with limited septic area is carefully regulated by health departments through the application of the Public Health Code.

Property land area and suitability of soil are evaluated with each proposed change in use to ensure that wastewater generated from the proposed change in use can be adequately dispersed on site without producing deleterious environmental effects.

Inspections of septic systems for failures or overflows along shoreline areas are a component of the Water Pollution Control Authority sewer avoidance program. Repairs of older septic systems that are substandard with respect to current Public Health Code design capacities and setback requirements have been successfully completed. Septic repairs on small lots, where design standards cannot be met, are subjected to current design standards in an attempt to gain maximum effective leaching area and maximum separation distances between the bottom of leaching systems and the restrictive layers of ground water or ledge rock. Owners of repaired substandard sized septic systems are issued a Permitto-Discharge which identifies the reduced design flow capacity and identifies the set-back exceptions granted. This process allows the property owner to be aware of any water use restrictions or conservation measures associated with septic system use.

Education on the proper care and maintenance of septic systems is accomplished by the WPCA through periodic mailing of septic tank pump out reminder notices and septic system maintenance information to homeowners.

In follow-up to a request from the Connecticut Department of Public Health to update the status of current well water quality in the study area, additional well water samples were collected from selected wells in February 2016. Water test results within the Mulberry Point study area indicated that ground water quality has been affected by brackish water infiltration and wastewater by-products such as nitrates and bacteria. Historic water samples collected as far back as 2002 from other wells in the study area revealed the presence of similar elevated wastewater contaminants. Comparing the recent sample results to typical background levels of nitrate, sodium and chloride found in Guilford private wells located outside of the study area indicates that ground water contamination is present at higher levels in the Mulberry Point area. The sampling data is not, by itself, used to validate or repudiate an evaluation of a study area. It is one of several components which, when taken as a whole, are used to reach conclusions about the status of an area.



Address	Bedrooms	Septic tank Cap.(gal.)	Septic system (sq.ft.)	Capacity (gpd)**
62 Tuttles Pt Rd	2	1000	375	300
110 Tuttles Pt Rd	3	1000	454	412
117 Tuttles Pt Rd	2	1000	186	149
12 Rock Ln	3	2000	375	341
23 Rock Ln	4	1250	925	840
25 White Top Ln		1000	375	150
22 Faulkner Dr	3	1250	625	568
4 Faulkner Dr	2	750	120	96
7 Highland St	4	1250	680	600
5 Meriden	3	1000	633	575
14 Meriden	2	1000	Unknown	unknown
612 Mulberry Pt Rd	2	750	302	242
624 Mulberry Pt Rd	3	1000	495	450
648 Mulberry Pt Rd	2	1000	359	288
672 Mulberry Pt Rd	2	1000	568	454
724 Mulberry Pt Rd	3	1500	540	493
760 Mulberry Pt Rd	3	1000	607	551
773 Mulberry Pt Rd	2	1000	285	228
783 Mulberry Pt Rd*	2	1000	140	112
789 Mulberry Pt Rd	1	1000	Unknown	unknown
805 Mulberry Pt Rd	2	1000	925	740
835 Mulberry Pt Rd	2	1250	375	300
9 Marshall Ave*	2	750	270	216
27 Marshall Ave	3	1000	495	450
38 Marshall Ave	3	800	318	289
52 Marshall Ave	4	750	Unknown	unknown
65 Marshall Ave	3	1000	483	439
139 Marshall Ave	2	1000	349	279
175 Marshall Ave	3	2000	441	400
19 Ruth Ln	2	900	190	152
27 Ruth Ln	2	1000	408	326
18 Brown St	2	750	375	300
33 Decatur Av	3	1000	497	451
690 Decatur Av	5	1000	144	145
72 Decatur Av	3	2000	862	783
101 Decatur Av	4	750	402	365
122 Lower Rd	4	1250	708	600

<sup>\*</sup>seasonal occupancy

Example: for 3 bedroom house 450 gpd discharge permitted for a 495 sq ft leaching system.

<sup>\*\*</sup> Gallon per day calculation determined by using ratio of Public Health Code standard discharge rate of 150 gals per bedroom to square footage of leaching area.

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Sincerely, WRIGHT-PIERCE

Mariusz Jedrychowski, P.E.

Senior Project Manager

Cc: Eric McPhee - CT Department of Public Health Drinking Water Section Dennis Johnson, Town of Guilford