

Dear Homeowner,

Attached is a document that attempts to find properties that may have problems regarding their STEP (Septic Tank Effluent Pumped) system. Your Board of Directors examined water and sewer bills and read the sewer hours meter associated with each home in an effort to find possible breaches to our STEP system and identify potential solutions. Please take a look at your property compared to your fellow homeowners to see if you may need to take action. Several of your neighbors are already taking corrective action. Under our current system the total sewer effluent pumped to the City of Gig Harbor is divided and billed equally to each homeowner regardless of output.

To aid in your evaluation several guidelines may be helpful. Typical average water usage in a single family home can vary from approximately 50-75 gallons per person per day. In our evaluation we eliminated irrigation usage and counted winter months only. So if your water intake per day equals 100 gallons we would expect something close to that or less would be pumped into the sewer. However, water used for drinking, washing cars, watering houseplants, or softener/filter backwashing would not enter the sanitary sewer system and would not be part of our evaluation. Water from a running toilet would enter the system and be part of the sewer bill. Consequently, if the column labeled "Ratio's" (water usage divided

Water Usage (Gallons)					Sewer Usage			Ratio's		Bi-Monthly Estimate of Excess Pumping Charges
Nov. Usage	Dec. Usage	Jan. Usage	Feb. Usage	Your Usage Ranking	Your Average Daily Winter Usage	Your Average Daily STEP Gallons	Your STEP Usage Ranking	Pump Cycles Per Day	Step / Water Ratio	
6807	5662	6014	4466	47	191	422	53	2.70	221%	\$ 119.69
0	6403	7375	7525	44	178	312	52	2.50	176%	\$ 69.69

by estimated sewer output) exceeds 100% you should examine your sewer system for excess water infiltration. We

suspect that excess sewer outflow is caused by groundwater infiltration. Excess infiltration may come from poorly sealed tank lids, risers from concrete tank lids leaking, cracked lids, pipes entering the tanks and not sealed properly, running toilets, etc.

We also attempted to estimate the dollar value billed to us each period that is in excess of what we would expect. As you can see a number of homes appear to have contributed to what we believe to be excess sewer charges. We strongly urge those homeowners to have a professional (such as Drain-Pro) examine your STEP system and water pipes for compromise. Tightening up our system conserves water and saves money on our individual sewer bills.

We will also evaluate various methods to measure and bill each property based upon STEP usage including the possibility of metering each household.

Hopefully, we have provided enough information for you to begin taking action where appropriate.

If you have questions or comments you may contact Lisa or Carol (Diamond Community Management 253-514-6638), Andy Sturdivant (253-539-4498), or any Board member. Working together we should be able to solve these issues in a timely and responsible way.

Sincerely,

Your Division 12 STEP Board of Directors

**CW Division 12 STEP System
Inspection Form**

Address: 13713 47th Ave Ct NW

Water Test

Lid to Riser
Effluent Line thru Riser
J-Box thru Riser
Riser to Tank

OK Leaking Repaired

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* Schedule for repair if leaking
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	* Schedule for repair if leaking
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	* Schedule for repair if leaking
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	* Schedule for repair if leaking

Inspect System

Control Box

*Follow inspecting SOPs, and observe relevant safety protocol.

SHOCK HAZARD

***POWER DOWN SYSTEM BEFORE WORK BEGINS**

Wiring behind Toggles:

OK Burned Repaired

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*If wiring or toggle switch is burned, replace immediately
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Check motor / Control Leads at the Terminal Blocks:

OK Loose Repaired

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*If wiring is loose, tighten immediately
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Does the wiring match the color code on the Wiring diagram?

YES NO

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Schedule for wire trace out and labeling
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Schedule for replacement
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Schedule for replacement

Is Wiring all solid color?

Is Wiring showing signs of failure

Pump Motor Cord Condition:

OK Wicked Torn

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If torn or wicked cord should be replaced immediately
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Float Tree

A Float and Cord condition:

B Float and Cord condition:

T Float and Cord condition:

OK Wicked Cracked

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	wicked or cracked = replace
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	wicked or cracked = replace
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	terminate ALL T floats

Float Tree Cord Grips:

A:

B:

T:

OK Broken N/A

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Replace if broken, immediately
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Replace if broken, immediately
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Replace if broken, immediately

Removable Float Tree:

Filter Basket

YES NO

<input checked="" type="checkbox"/>	<input type="checkbox"/>	retrofit during float replacement(removable)
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Filter Basket Condition:

OK Collapsed

<input type="checkbox"/>	<input checked="" type="checkbox"/>	System should be upgraded to a Biofilter
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Biotube:

Tank Riser / Lid

YES NO

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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At Grade:

Above Grade:

Below Grade:

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Riser may need to be cut down/backfilled to grade
Riser may need to be raised to grade

Lid Condition:

OK Broken

<input checked="" type="checkbox"/>	<input type="checkbox"/>	Schedule for replacement
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Pump Chamber

- install float tree with floats not touching
- Zip Tie float cords and lay on tank ledge
- Install pump, connect discharge union (check for O-ring)
- Tuck pump cord between pump vault and tank
- Verify ball valve is in open position
- Fill out History Card
- Leave Door Hanger
- Pick up Tools / Debris

Yes	NO	N/A
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>		

Control Box

- Turn on A/C Power (red switch) if available
- Install fuse (if applicable)
- Turn on Pump Breaker
- Turn on Control Breaker
- Turn on Pump / Control Breaker (single breaker)
- Turn on the Power Toggle switch (if applicable)
- Turn on the Auto / Manual Toggle switch to Auto (if applicable)

YES	NO	N/A
		<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
		<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>		

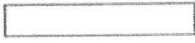
Upon completing the inspection, use the following manual tests to ensure system is fully operational and is ready to be put back into service

Manual Testing Procedure

- Turn Auto / Manual toggle to the manual position, the motor contactor (in most cases should engage).
- Turn Auto / Manual toggle back to the auto position
- With the Fiberglass extend-a-pole lift the Pump switch float (B Float) slowly, Pump should engage
- Lowering it, the pump should shut off. Repeat on A float to hear Alarm

After performing both manual tests:

- Install tank lid and screws
- Close Control Box and secure



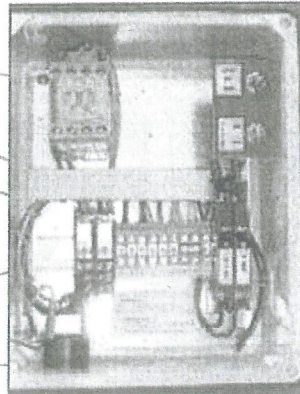
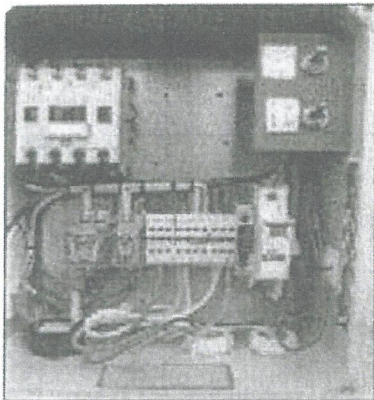
* Note: Some Control boxes contain only 1 Breaker that serves both the pump and control circuits

* Note: Some Control boxes contain fuses, some do not

* Some control boxes have an A/C shutoff switch (red switch), some do not

Control Box with fuse / single breaker

Control Box with 2 breakers / no fuse



Motor Contactor

Terminal Block

Redundant Off Relay

Silence Control Relay

Audible Alarm

on/off/manual

Power on/off

Pump Breaker

Control Breaker

This STEP has been inspected and has been returned to a satisfactory working condition.

Signed: ET [Signature] Date: 7-8-2014

**CW Division 12 STEP System
Inspection Form**

Address: 13714 47th Ave Ct NW

Water Test

Lid to Riser
Effluent Line thru Riser
J-Box thru Riser
Riser to Tank

OK Leaking Repaired

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

* Schedule for repair if leaking
* Schedule for repair if leaking
* Schedule for repair if leaking
* Schedule for repair if leaking

Inspect System

Control Box

*Follow inspecting SOPs, and observe relevant safety protocol.

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SHOCK HAZARD

***POWER DOWN SYSTEM BEFORE WORK BEGINS**

Wiring behind Toggles:

OK Burned Repaired

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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*If wiring or toggle switch is burned, replace immediately

Check motor / Control Leads at the Terminal Blocks:

OK Loose Repaired

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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*If wiring is loose, tighten immediately

Does the wiring match the color code on the Wiring diagram?

YES NO

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Schedule for wire trace out and labeling

Is Wiring all solid color?

<input checked="" type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------

Schedule for replacement

Is Wiring showing signs of failure

<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	-------------------------------------

Schedule for replacement

Pump Motor Cord Condition:

OK Wicked Torn

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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If torn or wicked cord should be replaced immediately

Float Tree

A Float and Cord condition:

OK Wicked Cracked

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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wicked or cracked = replace

B Float and Cord condition:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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wicked or cracked = replace

T Float and Cord condition:

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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terminate ALL T floats

Float Tree Cord Grips:

OK Broken N/A

A:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Replace if broken, immediately

B:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Replace if broken, immediately

T:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Replace if broken, immediately

Removable Float Tree:

YES NO

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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retrofit during float replacement(removable)

Filter Basket

Filter Basket Condition:

OK Collapsed

<input type="checkbox"/>	<input checked="" type="checkbox"/>
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System should be upgraded to a Biofilter

Biotube:

YES NO

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Tank Riser / Lid

At Grade:

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Above Grade:

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Riser may need to be cut down/backfilled to grade

Below Grade:

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Lid Condition:

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Schedule for replacement

Pump Chamber

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- Verify ball valve is in open position
- Fill out History Card
- Leave Door Hanger
- Pick up Tools / Debris

Yes	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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- Turn on Control Breaker
- Turn on Pump / Control Breaker (single breaker)
- Turn on the Power Toggle switch (if applicable)
- Turn on the Auto / Manual Toggle switch to Auto (if applicable)

YES	NO	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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After performing both manual tests:

- Install tank lid and screws
- Close Control Box and secure

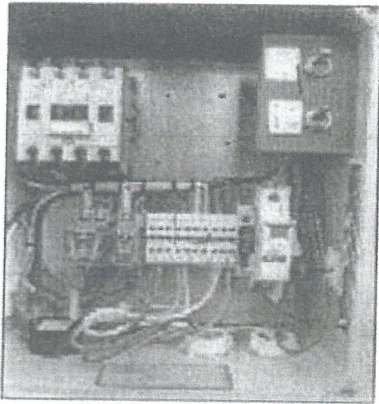


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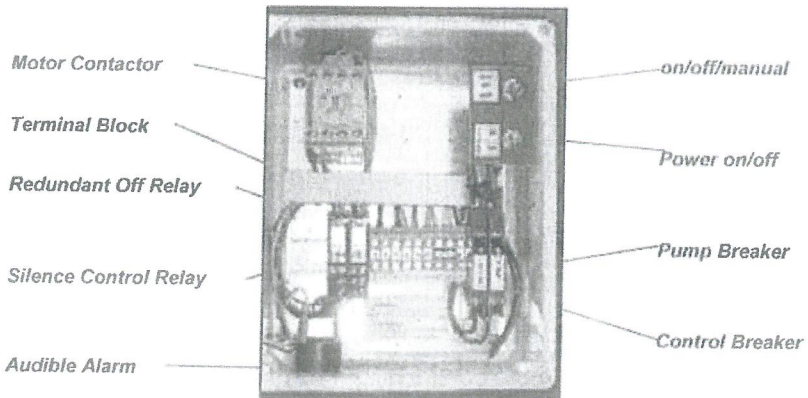
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Control Box with fuse / single breaker



Control Box with 2 breakers / no fuse



This STEP has been inspected and has been returned to a satisfactory working condition.

Signed: Ej Maxwell Date: 7-8-2014