

# WATER ANALYSIS & INFORMATION FORM

Distributor: Flat Lands Supply, Inc

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Rev 05/2017

## RETURN TO: Aqua Systems/ Dealer Services

114 Vista Parkway, Avon IN 46123  
800-272-5511, 317-272-6721  
Fax 800-272-3255

- **For Business and Commercial Applications (see back)**
- Please complete entire form, including distributor information, for proper sizing of equipment.
- Water analysis is performed on hardness, iron, manganese, TDS, pH, tannin, and for recommending water treatment.
- **IMPORTANT:** Health related contaminants i.e. microbiological (bacteria, cysts), chemical, lead test are not performed. Please consult State-Certified lab for testing health related issues.

**Note: Aqua Systems is not responsible for recommendations based upon inaccurate or incomplete information**

**Distributor:** (must be included)

Contact \_\_\_\_\_ Date \_\_\_\_\_

**FLAT LANDS SUPPLY, INC**  
**1220 E JACKSON ST**  
**VAN WERT, OH 45891**  
**419.238.1233 FAX 419.238.1317**  
**FLATLANDSSUPPLY.COM**

**Dealer:** Contact \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone ( ) \_\_\_\_\_ Date \_\_\_\_\_

**Customer Name** \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone ( ) \_\_\_\_\_ Date sample taken \_\_\_\_\_

**Important:** In order to provide accurate recommendations for water treatment, it is important to follow the instructions provided on this form for sample taking and pump flow rates.

### How To Draw Sample:

Use outlet nearest pump. Run water for 5 minutes, then fill CLEAN bottle to neck and cap immediately. Do not use hot water. Return bottle with this completed form to the address listed above.

### 1. Water Source (please check one)

City water Please complete Step 3 on back page  
 New private well Approx age \_\_\_\_\_ month(s)  
 Old private well Approx age \_\_\_\_\_ year(s)  
 Other- describe \_\_\_\_\_

### 2. Household Information

Do you now have a water conditioning equipment?

NO  YES: Type \_\_\_\_\_ Size \_\_\_\_\_  
Model# \_\_\_\_\_ Brand \_\_\_\_\_  
 Single-family  Multi-family: # Units \_\_\_\_\_  
# Persons \_\_\_\_\_ #Bathrooms \_\_\_\_\_  
 Dishwasher  Clothes Washer  Lawn irrigation  
 Geothermal heating/cooling – gpm required \_\_\_\_\_  
Other water using appliances \_\_\_\_\_

### 3. Water Problems:

When this water sample was drawn, it was:  
 Cloudy  Colored  Clear  
Is this sample:  Untreated  Treated  
Problems:  
 Hardness  
 Iron deposits – If yes, is the iron build-up in flush tanks  
 Stringy (iron bacteria)  Greasy  
 Color of water – describe \_\_\_\_\_  
 Greenish / bluish stains on sinks, tubs, etc.  
 Sand (visible particles)  Sediment or silt  
 Bad Taste:  Iron  Bitter  Salty  
 Other – describe \_\_\_\_\_  
 Bad Odor:  Rotten Egg  Musty  Iron  
 On-Site sulfur test \_\_\_\_\_ ppm  
 Other problems – describe \_\_\_\_\_

### How to Measure Pumping Rate of Pump:

1. Make certain no water is being used. Open a spigot nearest pressure tank. When pump starts, close spigot and time, in seconds how long it takes to refill the pressure tank. This is the pump cycle time.
2. Using a container of known volume, draw water and measure volume in gallons until the pump starts again. This is the amount of "Draw down". Divide the number of gallons by the pump cycle time from step 1 and multiply the result by 60, this will give you the pump flow rate in gallons per minute(gpm)

$$\frac{\text{Draw-down (gals)}}{\text{Cycle Time (seconds)}} \times 60 = \text{gpm}$$

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## Business / Commercial Water Analysis Information:

**Note: For Business or Commercial Applications, complete Section 3 (Water Problems), Customer, Dealer and Distributor Information on the front side of this form. Do not complete Sections 1 and 2 of front side. Please complete the following information. Additional information may be required based on application.**

### 1. Water Source:

Municipal  Private Well  Lake  Pond  
 Community Water System  Other \_\_\_\_\_

### 2. Water Usage:

Usage \_\_\_\_\_ gals. Per:  Month  Week  Day  
Water is used \_\_\_\_\_ Hours/Day and \_\_\_\_\_ Days/Week  
Any planned system expansion in the future?  Yes  No

See "How to Measure Pumping Rate of Pump" on front page

### 3. Water Systems:

Pump Type:  
 Submersible  Jet Other \_\_\_\_\_  
Pumping Rate \_\_\_\_\_ gpm  
Pipe sizes: Well to pressure tank \_\_\_\_\_ in Service Line \_\_\_\_\_ in  
Pressure Tank: Bladder  Air/Water \_\_\_\_\_ Cap \_\_\_\_\_ gal  
Operating Pressures: (Low/High) \_\_\_\_\_ / \_\_\_\_\_ psi  
Type of Pipe:  Plastic  Copper Other: \_\_\_\_\_

### 4. Equipment:

New Installation  Replacement of \_\_\_\_\_  
 Addition to existing \_\_\_\_\_  
Type of equipment desired:  
 Softener  Filter  Other  
 Recommendation by factory requested  
 Meter(s) regeneration or  Time Clock regeneration  
Available space: Length \_\_\_\_\_ x Width \_\_\_\_\_ x Height \_\_\_\_\_  
Door Size \_\_\_\_\_  
Treating:  Hot Water Only OR  Hot and Cold Water

### Notes:

**Example:** Cycle time is 40 seconds; draw-down is 6 gals; then, pumping rate equals:  $6 \text{ gals} \div 40 \text{ seconds} \times 60 = 9 \text{ gpm}$

### 5. Applications:

Apartment Building: No. Apartments \_\_\_\_\_  
Laundry facilities:  Central  Individual  None  
# of Washers \_\_\_\_\_ Capacity (in lbs) \_\_\_\_\_  
 Beauty Salon, Barber Shop: # of Stations \_\_\_\_\_  
 Car Wash:  Automatic  Wand Type  No. Bays  
gpm Required \_\_\_\_\_  
 Church: Maximum Daily Attendance \_\_\_\_\_  
 County Club: # of Members \_\_\_\_\_ # of Showers \_\_\_\_\_  
 Factory (No Process Water): # of Employees \_\_\_\_\_  
 Factory (Including Process Water): # of Employees \_\_\_\_\_  
Gals per day usage of process water \_\_\_\_\_  
 Farm:  Cattle/dairy  Cattle/beef  Hogs  
 Horses  Sheep  Chickens  
 Turkeys  Ducks \_\_\_\_\_ No. Head \_\_\_\_\_  
 Hotel: # of Rooms \_\_\_\_\_ Restaurant \_\_\_\_\_ Laundry \_\_\_\_\_  
 Hospital: # of Beds \_\_\_\_\_ Cafeteria \_\_\_\_\_ Laundry \_\_\_\_\_  
 Rest Home: # of Beds \_\_\_\_\_ Laundry \_\_\_\_\_  
 Laundry:  Coin Operated  Commercial  
# of Washers \_\_\_\_\_ Capacity (in lbs.) \_\_\_\_\_  
 Office Building: # of Employees \_\_\_\_\_  
 Restaurant: Seating Cap \_\_\_\_\_  
Type:  Luxury  Family  Cafeteria  Fast Food  
 School:  Elementary  Middle  High School  
# of Students \_\_\_\_\_ # of Showers \_\_\_\_\_  
 Steam Boiler:  Condensate return, make-up  
 No condensate return No. Horsepower \_\_\_\_\_  
 University:  Dormitory # of Students \_\_\_\_\_  
 Irrigation: # of Zones \_\_\_\_\_ gpm/Zone \_\_\_\_\_  
Other: \_\_\_\_\_

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