



**WATER TREATMENT SYSTEMS**

## Day 1 Intro to Water Treatment

8:00-8:15	<b>Introduction</b>
8:15-8:30	<b>Factory Contact Info</b>
8:30-8:45	<b>The 3 Golden Rules of Water Treatment</b>
8:45-9:00	<b>The Earth's Water Cycle</b>
9:00-9:30	<b>Basic Chemistry</b>
9:30-9:45	<b>Atomic Theory</b>
9:45-10:00	<b>Chemical Reactions</b>
10:00-10:15	<b>Break</b>
10:15-10:45	<b>Categories of Water Contaminants</b>
10:45-11:00	<b>The Four Factors That Effect Chemical Reactions</b>
11:00-12:00	<p><b>The Water Analysis</b></p> <ul style="list-style-type: none"> <li>a. The 7 Aesthetic Contaminants that need analyzed on all private well systems</li> <li>b. Obtaining Needed Water Analysis Information</li> <li>c. Well Pump Capacity Test Procedure (demonstration downstairs)</li> <li>d. Factory Testing Information Sheet</li> </ul>
12:00-12:45	<b>Lunch (Lunch Room)</b>
12:45-2:15	<p><b>Aesthetic Contaminants</b></p> <ul style="list-style-type: none"> <li>a. Hardness</li> <li>b. pH</li> <li>c. Iron</li> <li>d. Manganese</li> <li>e. Hydrogen Sulfide Gas</li> <li>f. Tannin</li> <li>g. Total Dissolved Solids (TDS)</li> </ul>
2:15-3:15	<p><b>Water Testing w/ Field Test Kit (438)</b></p> <ul style="list-style-type: none"> <li>a. Iron</li> <li>b. pH</li> <li>c. Hardness</li> </ul>
3:15-3:30	<b>Break</b>
3:30-5:00	<p><b>Health Related Contaminants</b></p> <ul style="list-style-type: none"> <li>a. Microbiologically Impure Water / Shock Chlorination procedure</li> <li>b. Nitrates</li> <li>c. Chlorides &amp; Sulfates</li> <li>d. Flourides</li> <li>e. Radium/Radon/Uranium</li> <li>f. Arsenic</li> </ul>
6:30-8:30	<b>Group Dinner - Off Site</b>



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Day 2 Core Training

<p>8:00 - 10:00 AM</p>	<p><b>Residential Whole House Media Filters (Group 1)</b></p> <ul style="list-style-type: none"> <li>a. Principles of Operation</li> <li>b. Filter Media Selection</li> <li>c. Sizing</li> </ul>	<p><b>Residential Cabinet &amp; Two Tank Water Softeners (Lg Conf Room) (Group 2)</b></p> <ul style="list-style-type: none"> <li>a. Principles of Operation</li> <li>b. Iron / Manganese Considerations</li> <li>c. Preventative Maintenance</li> <li>d. Sizing</li> <li>e. Accessories</li> <li>f. Optimizer System</li> <li>g. City Water Softener System</li> <li>h. Legacy View / Bluetooth</li> </ul>
<p><b>Break</b></p>		
<p>10:15 - 12:15</p>	<p><b>Residential Whole House Media Filters (Group 2)</b></p> <ul style="list-style-type: none"> <li>a. Principles of Operation</li> <li>b. Filter Media Selection</li> <li>c. Sizing</li> </ul>	<p><b>Residential Cabinet &amp; Two Tank Water Softeners (Lg Conf Room) (Group 1)</b></p> <ul style="list-style-type: none"> <li>a. Principles of Operation</li> <li>b. Iron / Manganese Considerations</li> <li>c. Preventative Maintenance</li> <li>d. Sizing</li> <li>e. Accessories</li> <li>f. Optimizer System</li> <li>g. City Water Softener System</li> <li>h. Legacy View / Bluetooth</li> </ul>
<p><b>Lunch and Informal Q &amp; A (Lunch Room)</b></p>		
<p>1:00 - 2:00</p>	<p><b>Plant Tour &amp; a Look at Future Products (Group 1)</b> (Tony Daub, Greg Tester &amp; Bill Chandler)</p>	<p><b>Valve Assembly (Clint Bone) (Group 2)</b></p> <p>Includes: Building &amp; Testing a Control Valve</p>
<p>2:00 - 3:00</p>	<p><b>Plant Tour &amp; a Look at Future Products (Group 2)</b> (Tony Daub, Greg Tester &amp; Bill Chandler)</p>	<p><b>Valve Assembly (Clint Bone) (Group 1)</b></p> <p>Includes: Building &amp; Testing a Control Valve</p>
<p><b>Break</b></p>		
<p>3:15 - 5:15</p>	<p><b>Aeration - Iron &amp; Sulfur Removal Systems</b></p> <ul style="list-style-type: none"> <li>a. Principles of Operation</li> <li>b. Design Features</li> <li>c. Sizing</li> <li>d. Accessories</li> <li>e. Control Valve Programming &amp; Troubleshooting/Teardown</li> <li>f. Seals &amp; Spacers</li> </ul>	<p><b>Turning Knowledge into Sales (Lg Conf Room)</b></p> <ul style="list-style-type: none"> <li>a. Sales Techniques &amp; Tips</li> <li>b. Marketing Support</li> <li>c. Contractor Map</li> </ul> <p style="text-align: center;"><b>Choose One</b></p>
<p><b>Day 2 Dinner On Your Own</b></p>		



WATER TREATMENT SYSTEMS

Day 3 Advanced Training

<p>8:00 - 10:00</p>	<p><b>Valve Training (Group 1)</b> Includes: Troubleshooting &amp; Tear Down</p>	<p><b>(Group 2)</b> <b>Chemical Injection Systems</b> a. Principles of Operation b. Proper Chemical Feed Pump Sizing c. Special Considerations  <b>Application - What Product is Right for the Job?</b></p>
<p style="text-align: center;"><b>Break</b></p>		
<p>10:15 - 12:15</p>	<p><b>Valve Training (Group 2)</b> Includes: Troubleshooting &amp; Tear Down</p>	<p><b>(Group 1)</b> <b>Chemical Injection Systems</b> a. Principles of Operation b. Proper Chemical Feed Pump Sizing c. Special Considerations  <b>Application - What Product is Right for the Job?</b></p>
<p style="text-align: center;"><b>Lunch and Informal Q &amp; A (Lunch Room)</b></p>		
<p>1:00 - 2:00</p>	<p><b>Ultraviolet Systems</b> a. Principles of Operation b. Sizing c. Special Considerations d. Options e. Lamp/Quartz Sleeve Change Out  <b>RO Systems</b> a. TFC-300 b. TFC-3 &amp; TFC-4 c. Principles of Operation</p>	<p><b>Commercial Products</b> (Mike McNaull-Lg Conf Room) a. General Overview on Commercial Products</p>
<p style="text-align: center;"><b>Choose One</b></p>		
<p>2:00 - 4:00</p>	<p><b>Aeration - Iron &amp; Sulfur Removal Systems</b> a. Principles of Operation b. Design Features c. Sizing d. Accessories e. Control Valve Programming &amp; Troubleshooting/Teardown f. Seals &amp; Spacers</p>	<p><b>Turning Knowledge into Sales</b> (Lg Conf Room) a. Sales Techniques &amp; Tips b. Marketing Support c. Contractor Map</p>
<p style="text-align: center;"><b>Choose One</b></p>		