



**Cascadian Water**

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 CascadianWater.com

Job Name: Economy Plbg Sample #: 070819-4 Date: 7/16/2019  
 Installer: Economy Plbg Distributor Branch ID: 3009 Tested By: DE

Pump GPM: 10 Pressure: Not Given \*Sample Is Untreated  
 Desired GPM to treat: 10 gpm  
 Design Flow Max: 15 gpm  
 Minimum BW Flow: 0 gpm (at 35 psig & <60°F)

Primary Analysis:	Result:	MCL or Action Level	
Turbidity	3	0.3 NTU	Cloudiness of water, may be invisible to the eye, can cause treatment failure if not addressed.
Tannin / Lignin	0.1	1.0 mg/L	> 1 mg/L, Causes colored water, stains and shortened filter life / effectiveness.
pH	7.64	<6.8 or >8.5	7.0 is neutral, over 7.0 is alkaline, under 6.8 is acidic and corrosive.
ORP	298	None	Indicates available oxidants in sample or overall cleanliness, ability of water to dissolve
Total Hardness	5	3 gpg	3.6 to 7.0 = moderately hard water. Over 3.5 wastes soap, forms scale & deposits in heaters and fixtures.
Total Iron, Fe	0.05	0.3 mg/L	Over 0.3 mg/L stains plumbing fixtures and clothes. Organic or Colloidal Iron Not Tested*
Manganese, Mn	0.022	0.05 mg/L	Over 0.05 mg/L stains plumbing fixtures and clothes
TDS	168	500 mg/L	Total dissolved solids, 500 mg/L is EPA suggested maximum contaminant level.

**Other Info / Notes:**

KNOWN PROBLEMS AND OTHER INFORMATION: City / Community Source = yes, Describe Existing Equipment = water salt softener, Location Sample Drawn From = faucet outside house., Sample Drawn Clear = Yes, Hardness = Yes, Chlorine Taste = Yes, Chlorine Odor = Yes, Other Notes / Comments: Jefferson county PUD - No other information provided or considered.

**Recommendations:**

The following recommendations are based on the submitted water sample and information furnished. Should water characteristics change in the future, a new analysis will be needed and different treatment may be recommended. Cascadian is not responsible for recommendations based on upon inaccurate information. **Tests performed by Cascadian are for informational purposes only. Cascadian does not have a certified lab and performs water tests and makes recommendations as a courtesy only. Please submit any lab test results to Cascadian for consideration.** \*Treatment recommendation based on separating irrigation and treating domestic only, call for options if required to treat irrigation water. \*No determination made as to form of iron, additional treatment may be required.

Recommended Treatment	Max Flow (gpm)	Min. BW (gpm)
ICS-STP, Sed., Taste & Odor with PolyHalt™ sys.	15	0

ICS-STP, Cartridge based filter and Polyhalt® saltless softener to reduce sediment, taste & odor problems, hardness, iron, staining, low pH and :