

**Table 3. Troubleshooting**

Contaminant	Standard	Possible source of contaminant	Health Effects	Treatment
<b>Grittiness</b>		Naturally occurring fine sand and silt in water		Sediment filtration
<b>Musty, earthy smell</b>		Typically harmless organic matter	No known health risks	Activated carbon filtration
<b>Methane gas</b>		decaying organic matter; found in shallow wells near swamps, landfills	Explosive	Commercial system
<b>Rotten Egg Odor</b>	250 mg/L sulfate	Hydrogen sulfide gas, naturally occurring	No known health risk. Flammable at very high concentrations	Chlorination, activated carbon filter, oxidizing filters
<b>Rotten Egg Odor</b>	250 mg/L sulfate	Sulfate reducing bacteria	No known health risk	Continues chlorination and activated carbon filter
<b>Green stains, blue green tint to water</b>	pH 6.5-8.5	Acidic water, pH below 6.8; reaction with copper and brass in the plumbing	No known health risk.	Calcite filter; soda ash chemical feed followed by sediment filtration
<b>Black stains on sink/laundry</b>		Naturally occurring manganese	No known health risk	Ion exchange water softener, continuous chlorination and sediment filter
<b>Reddish brown stains on sink/laundry</b>	0.3mg/L	Naturally occurring iron	No known health risk	Ion exchange water softener, continuous chlorination and sediment filter
<b>Specks on glass ware</b>	Mineral concentration: Soft water - 0-17 mg/L. Slightly hard water- 17-60 mg/L . Moderately hard water - 61-120 mg/L. Hard water - 120-180 mg/L. Very hard water - over 180 mg/L.	Naturally occurring minerals including calcium and magnesium	No known health risk	Ion exchange water softener
<b>Lack of suds</b>	Mineral concentration: Soft water - 0-17 mg/L. Slightly hard water- 17-60 mg/L . Moderately hard water - 61-120 mg/L. Hard water - 120-180 mg/L. Very hard water - over 180 mg/L.	Naturally occurring minerals including calcium and magnesium	No known health risk	Ion exchange water softener