

Table 1
Treatment Objective and Types
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Treatment Objective	Treatment Type
Disinfection Byproduct Control	Activated Carbon Aeration Coagulation Flocculation Lime-soda ash addition Sedimentation Chlorine Dioxide Chloramines UV pH adjustment Iodine
Corrosion Control	Phosphate inhibitor Silicate inhibitor pH adjustment Sequestration
Disinfection	Chlorine Chlorine Dioxide Chloramines Ozonation UV (Total Coliform Only)
De-Chlorination	Activated Carbon Aeration Reducing Agent
Iron Removal	Aeration Filtration Chlorination Ion exchange Pre Ozonation Permanganate Sedimentation pH adjustment Sequestration Reverse Osmosis
Inorganics Removal	Activated Carbon Aeration Coagulation Filtration Flocculation Ion Exchange Reverse Osmosis Sedimentation Sequestration Pre pH adjustment

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Manganese Removal	<p>Aeration Filtration Pre Chlorination Ion Exchange Pre Ozonation Permanganate Sedimentation Sequestration Pre pH adjustment</p>
Organics Removal	<p>Activated Carbon Aeration Coagulation Filtration Pre Hypochlorination Permanganate Reverse Osmosis Sedimentation</p>
Particulate Removal	<p>Coagulation Filtration Activated Carbon Flocculation Pre hypochlorination Screens Sedimentation Pre pH adjustment</p>
Radionuclide Removal	<p>Activated Carbon Aeration Green sand filtration Ion Exchange Reverse Osmosis</p>
Hardness Removal	<p>Activated Alumina Coagulation Filtration Flocculation Ion Exchange Sedimentation Sequestration Polyphosphate inhibitor Lime-Soda Ash pH adjustment</p>
Taste/Odor Control	<p>Activated Carbon Aeration Algae control Pre Chlorination Pre Ozonation Permanganate</p>