

Pros and Cons of Remediation Strategies for Lead in Drinking Water

Fixture Removal	Fixture or Plumbing Replacements	Limit Drinking Water Locations	Filtration	Flushing (Prevent stagnant water)
PROS	PROS	PROS	PROS	PROS
<ul style="list-style-type: none"> Very effective No material costs 	<ul style="list-style-type: none"> Generally effective Low cost Can be paired with building improvements 	<ul style="list-style-type: none"> Effective Generally low cost Drinking could be directed to “hydration stations” with filters that reduce risk 	<ul style="list-style-type: none"> Effective Quick to implement Low cost if temporary 	<ul style="list-style-type: none"> Effective Low Cost Can be manual or automatic
CONS	CONS	CONS	CONS	CONS
<ul style="list-style-type: none"> Fixture removal may not be an option with widespread issues May cause dead end pipes that affect other water quality issues 	<ul style="list-style-type: none"> Can be costly “Lead-free” still allows 0.25% lead in fixtures May not immediately solve issue Dependent on correctly identifying lead sources 	<ul style="list-style-type: none"> Non-potable taps must have signs Cannot ensure non-potable taps will not be used for drinking Hydration stations can be expensive and need maintenance May limit flow of water in system 	<ul style="list-style-type: none"> May be expensive Requires proper installation and maintenance May require a plumber to install May be subject to tampering or bypass 	<ul style="list-style-type: none"> Increase water use May take time to implement Morning flushing only may not reduce lead levels all day Automatic devices can be expensive