



# INSIDE Northglenn

## Water Treatment Process

1

Water stored at Standley Lake is conveyed through a pipeline to the Terminal Reservoir (TR).

The TR holds approximately 40 million gallons of raw water, which is enough storage to meet 4 days of water demand in the summer.



2

Coagulants



The Rapid Mix Process begins as water from the TR flows into Flocculators, where it is dosed with a primary coagulant & coagulant aid.



Flocculators

3

Coagulants

Water in the Flocculators is slowed down after Rapid Mixing, allowing coagulant suspended particles to form Floc.



Flocculators

4

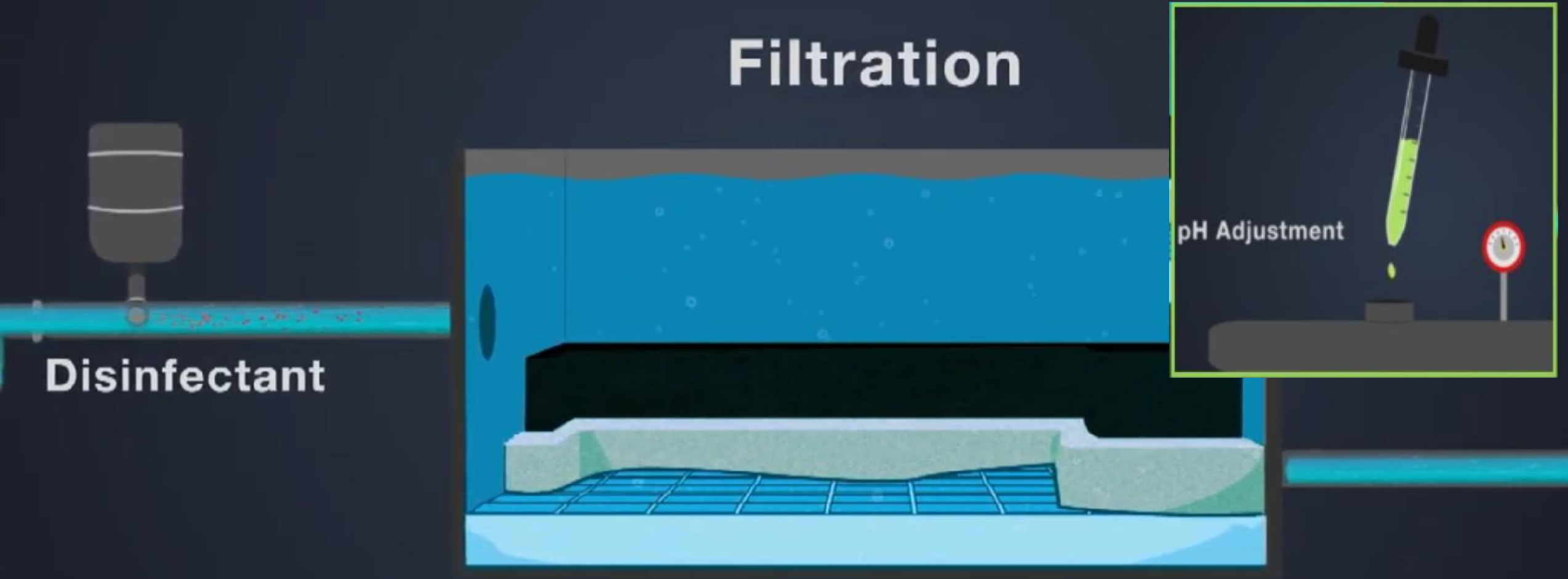
Water flows into Clarifiers where sedimentation occurs, as water slows even more allowing Floc to settle out and removed. Clarified water is then chlorinated.

## Clarifier



5

Clarified water, although cleaner, needs to be purified. A Filtration System is used, pH is adjusted for corrosion control, finished water flows into Clear Wells.





6

Water is stored into Clear Wells at the Treatment Plant, or in one of four storage tanks located throughout the city before entering the Distribution System and finally reaching your tap.



Clear Well