

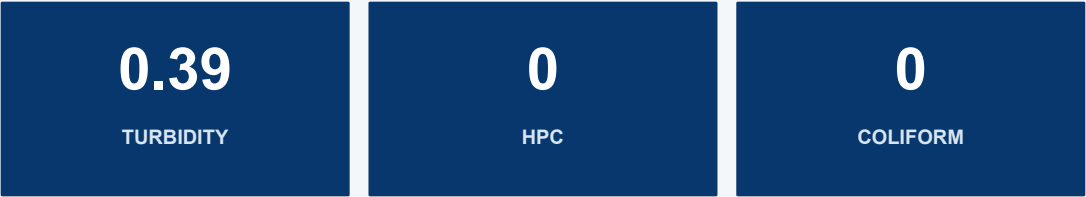
Field Test of First Water Filtration System

Field demonstration documenting turbidity reduction and microbiological results before and after treatment.



FIELD TEST SUMMARY

Clear, measurable improvement across all three reported test parameters.



NTU after filtration

CFU after filtration

CFU after filtration

The original field test recorded influent turbidity of 36 NTU, HPC of 19,500 CFU, and total coliform of 21 CFU before treatment.

Visible Clarity Improvement

Field test turbidity fell from 36 NTU before First Water's 4 stage filtration compared to 0.39 NTU after filtration.



PRE-FILTERED

36 NTU



POST-FILTERED

0.39 NTU

98.9%

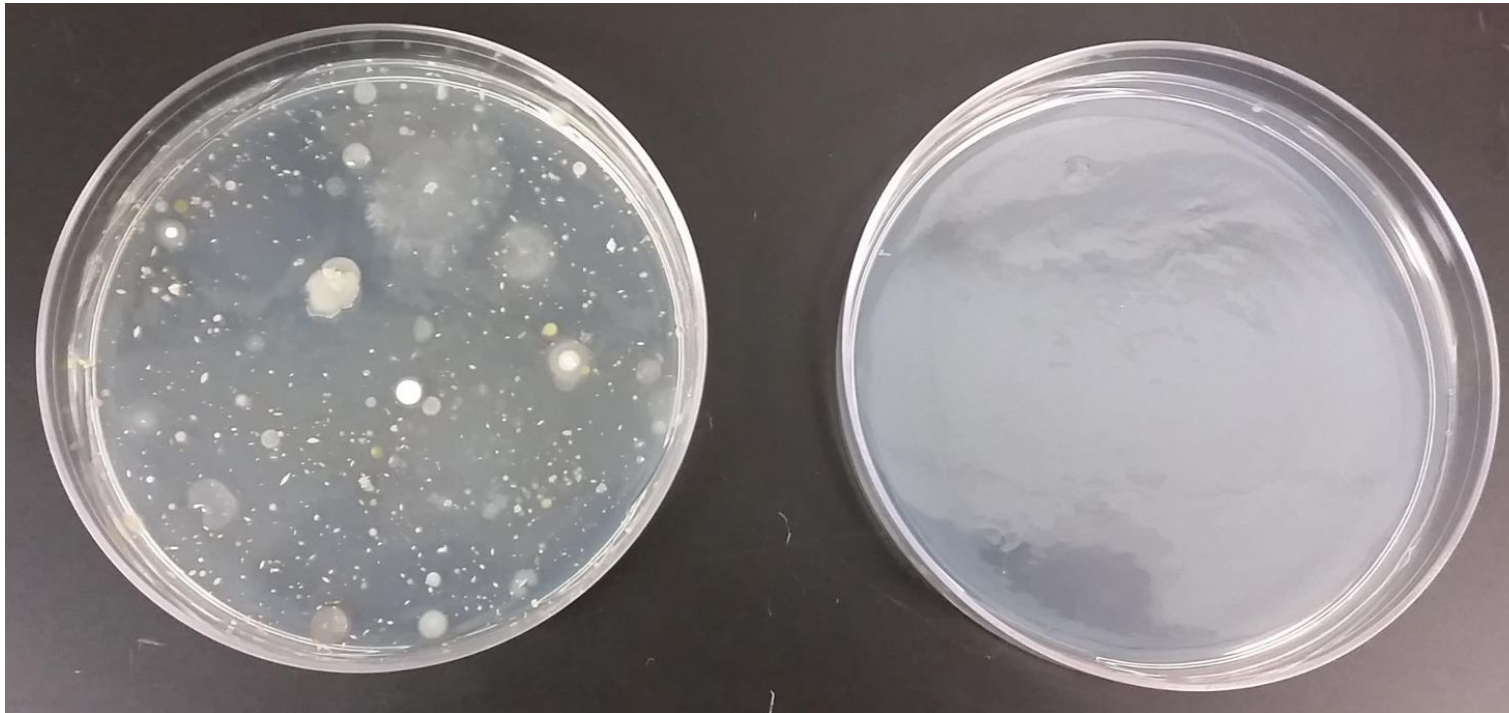
REDUCTION IN TURBIDITY

Turbidity is a measure of water clarity. The original field-test presentation referenced 1 NTU as its drinking-water benchmark.

Result: 0.39 NTU

Heterotrophic Plate Count (HPC)

The field test reported complete removal of culturable HPC organisms in the post-filtered sample.



PRE-FILTERED

19,500 CFU

POST-FILTERED

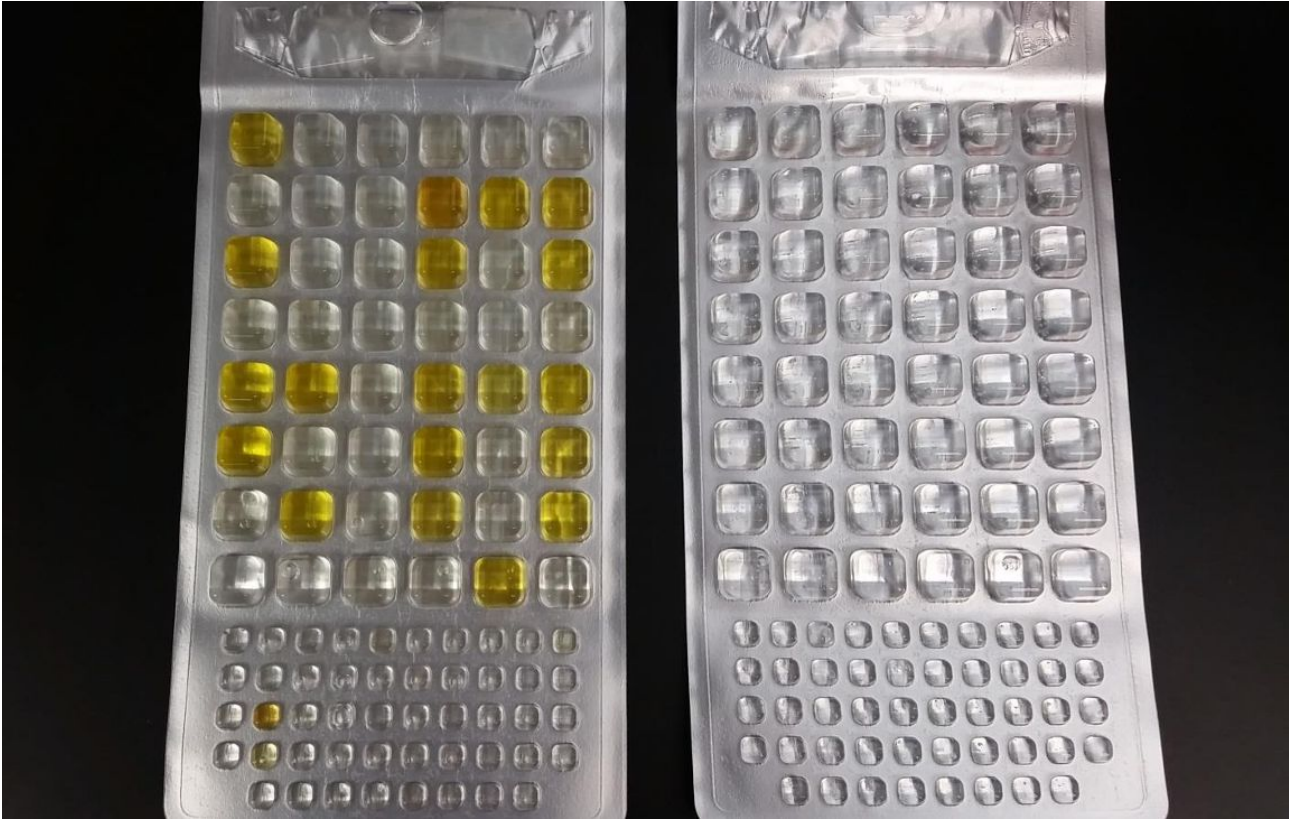
0 CFU

The original test notes describe HPC / Standard Plate Count as an indicator of overall bacteriological water quality.

Field result: no colonies detected in the post-filtered sample.

Total Coliform

The field test reported total coliform declining from 21 CFU before filtration to 0 CFU after filtration.



21 → 0
CFU

The original field-test presentation cites an EPA maximum contaminant level of 0 for coliforms in drinking water.

POST-FILTERED RESULT

0 CFU