



Recommended Allowable Limits for Flowback/Produced Water for use in Cross-Linked Fluids Fracturing

The limits below are for the treated flowback and produced water.

Note: Note: Following treatment by the Ecologix ITS-1500 and the AGFM polishing.

pH	6-8
TDS	< 120,000 ppm
Conductivity mS	<130
TSS	<10
Turbidity - NTU	<5
Bacteria Count	<1/ml
Oil	<1
ORP	>200mV
Cations	ppm
Sodium:	< 30,000
Calcium:	< 10,000
Magnesium:	< 1,500
Potassium:	< 1,100
Iron:	< 1
Barium:	< 10
Strontium:	< 10
Manganese:	< 10
Boron:	< 5
Anions	ppm
Bicarbonate:	< 1,000
Sulfate:	< 500
Chloride:	<70,000