

# FRAC FLOWBACK WATER TREATMENT



Water Recovery System

# Reuse Frac Water



- Process Plants Corporation (PPC) is pleased to provide Exploration & Production companies with a simple and extremely effective way to treat Marcellus water
- Frac water by removing dissolved and suspended solids to a level where the water may be acceptable for re-use.

# MARCELLUS SHALE and PPC's INVOLVEMENT

A lab director said, “Your treatment is doing what you were expecting in the reduction of samples especially samples with as complex of a matrix as yours...”

Our process injects oxygen into the Frac water, precipitating metallic salts and sulfates.



Our treatment significantly reduced the  
TDS  
sodium- potassium and metals contents  
Contaminants 95%

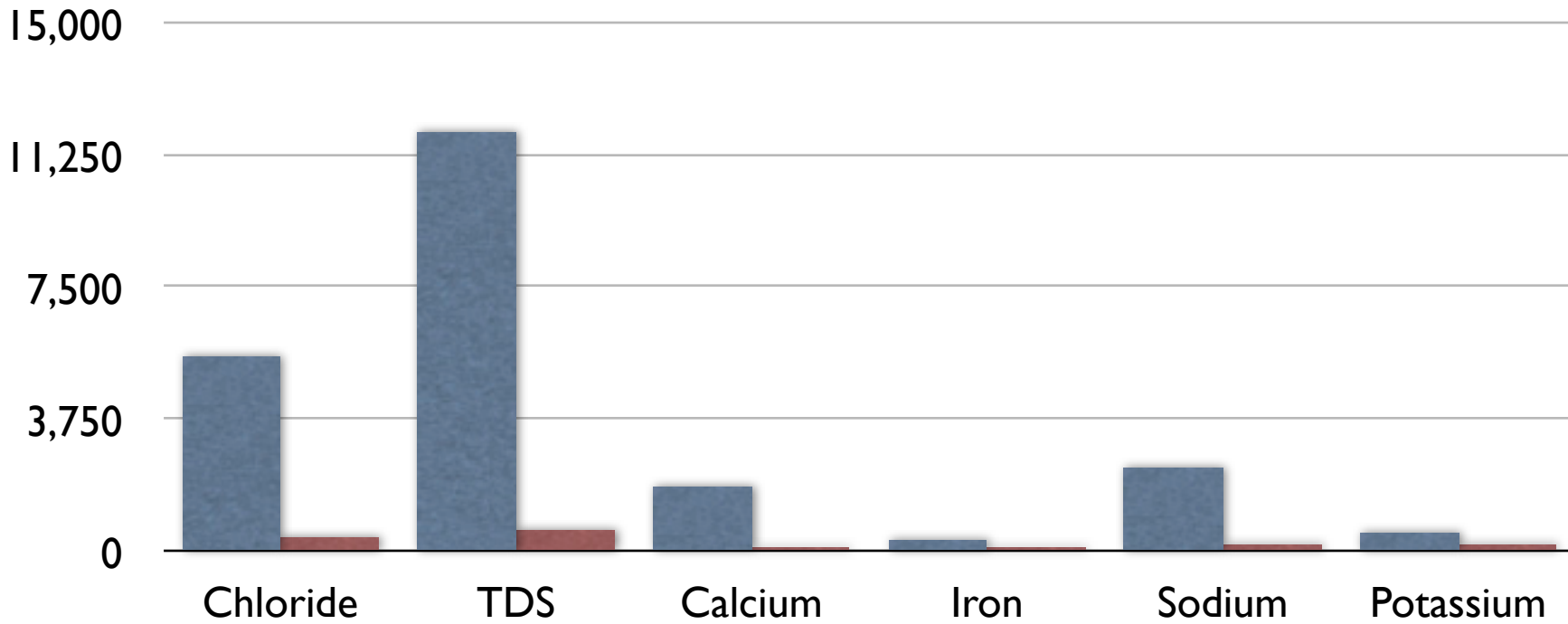
**A system to Mix, Aerate and Neutralize in "Moments - not Months".**

- Frac flow back pit water will be treated using the system to remove all heavy metals (iron (Fe) and aluminum (Al)) and dissolved chemicals (Sulfur) and Chloride.

Chloride, pH, Sulfate, Total Dissolved Solids, Barium, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium, TSS and Strontium all reduced by 94-97 %.

99.05% TSS  
via sand filter

■ Untreated Frac  
■ Treated Frac



# Mobile Water Treatment for the Oil & Gas Industry

Applications include reuse for subsequent frac jobs.

Disposal options for the higher TDS wastewater generated from both fracturing wells and producing wells are also becoming limited and less economical.





We would enjoy meeting with you to present our capabilities in greater detail and assure you of our interest in working with you on future projects.

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<http://ppc-site.com/fracwatertreatment.html>