

**PPC & Marcellus Water**



**Evaluation/Application Work for a viable water recovery technology for the Natural Gas Industry**

<b>PPC * &amp; Marcellus Water</b>	<b>Redox Reactor Milestones</b>	<b>Natural Gas &amp; Frac Flowback</b>

<b>Year 1 2008</b>	<b>Complete Initial Field Trials</b>	<b>Field test (Secure industry partner with wells frac pits)</b>
<b>Year 2 2009</b>	<b>Implement Design Changes from Initial Field Trials</b>	<b>Evaluate results (Determine failure/success)</b>
<b>Year 3 2010</b>	<b>Complete and analyze results of follow-on Field Trials</b>	<b>Field Test / Evaluate Results Realize Benefits and Commercialize</b>
<b>Year 4 2011</b>	<b>Manufacturing and Field Service final stage in process</b>	<b>Manufacture and Implement Modifications</b>

*\* Our history with the Redox Reactor goes back to the period of 1994 thru 2006 in AMD and Mine Site applications.*

**Redox Reactor Talking Points**

*Our system creates an environment which enhance reduction and oxidation (redox) chemical reactions.*

*Our process reduces, metal, minerals and salts.*

*Our propriety system treats high levels of Chloride and TDS in Frac water.*

*Our process reaction significantly neutralizes metallic salts and sulfates.*