

The Most Advanced & Proven Advanced Oxidation Process +

- ✓ Better Water at Lower Cost
- ✓ The Platform is the Plant
- ✓ Process Chemical Free
- ✓ Removes & Destroys Chemicals
- ✓ Removes Color, Taste & Odor
- ✓ Removes Pb, Hg, Cr6
- ✓ Disinfects & Sterilizes
- ✓ Reduced Complexity
- ✓ Broad Temperature & Pressure Range
- ✓ Longer Service Interval
- ✓ Lower Cost Structure
- ✓ >99% Online Duty
- ✓ NSF ANSI 61
- ✓ > 25 Year Membrane Life
- ✓ Multiple Destruction Pathways
- ✓ Oxidation & Reduction
- ✓ Strongest Oxidation Potential
- ✓ Multi-Barrier
- ✓ No Annual Lamp Replacement
- ✓ No Wipers
- ✓ No Hydrogen Peroxide
- ✓ No Ozone
- ✓ No Stabilizer Residuals
- ✓ No Bromate Production
- ✓ No Chemical Oxidant Storage
- ✓ No UVT Dependence
- ✓ No Pre-Treatment Requirements
- ✓ No THM or HAA Issues
- ✓ Not Hydroxyl Radical Dependent

Photocatalytic Ceramic Membrane Process

Photo-Cat has the strongest **oxidizing potential** of any commercial AOP process and will destroy contaminants of concern that other AOPs cannot.

AOP	(eV)
Photo-Cat	3.18-4.80
UV/O₃	2.8
UV/Peroxide	2.8
Ozone	2.07
Cavitation	2.8
E Beam	2.8
Chemical	
• Hydrogen Peroxide	1.77
• Permanganate	1.67
• Chlorine Dioxide	1.50
• Chlorine	1.36
• Fluorine	3.05

