Appendix

Heterogeneous Fenton-like Catalysis of Electrogenerated H_2O_2 for Dissolved RDX Removal

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This Appendix contains four figures on materials used as cathodes, cathode orientation within the electroperoxidation column, and the pH regime within this column.

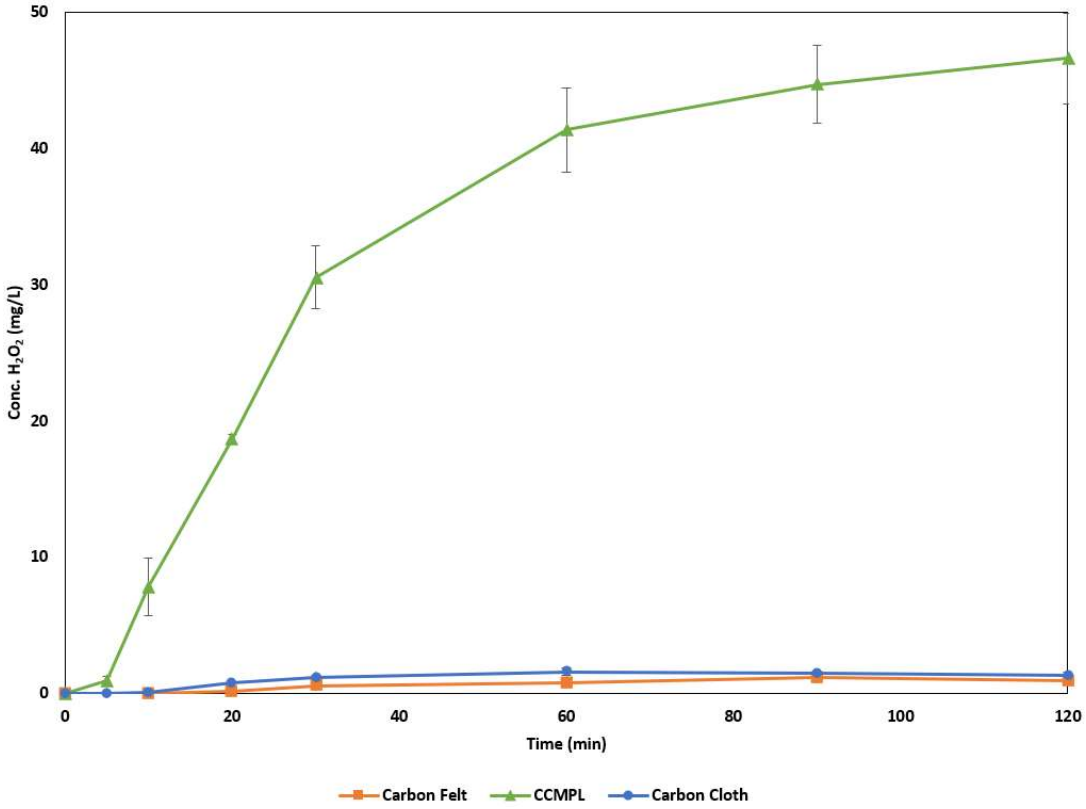

Figure S1. Comparison of hydrophobic/hydrophilic commercially available cathode materials in electrogenerating H_2O_2 in flow-through reactor at 9.5 mA/cm^2 current density

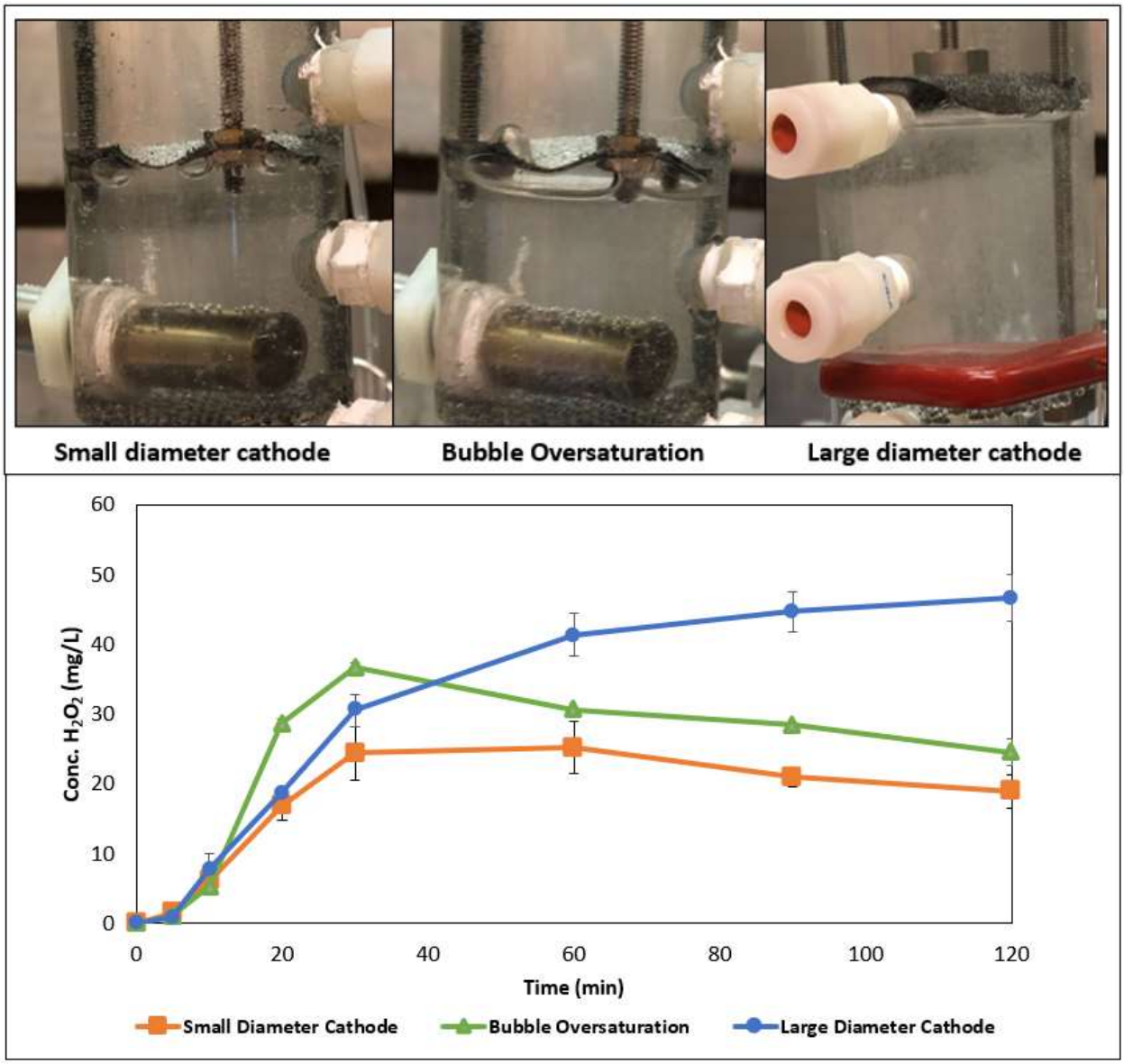

Figure S2. CCMPL cathode size comparison and H_2O_2 generation due to constant O_2 bypass, oversaturation, and designed O_2 bypass

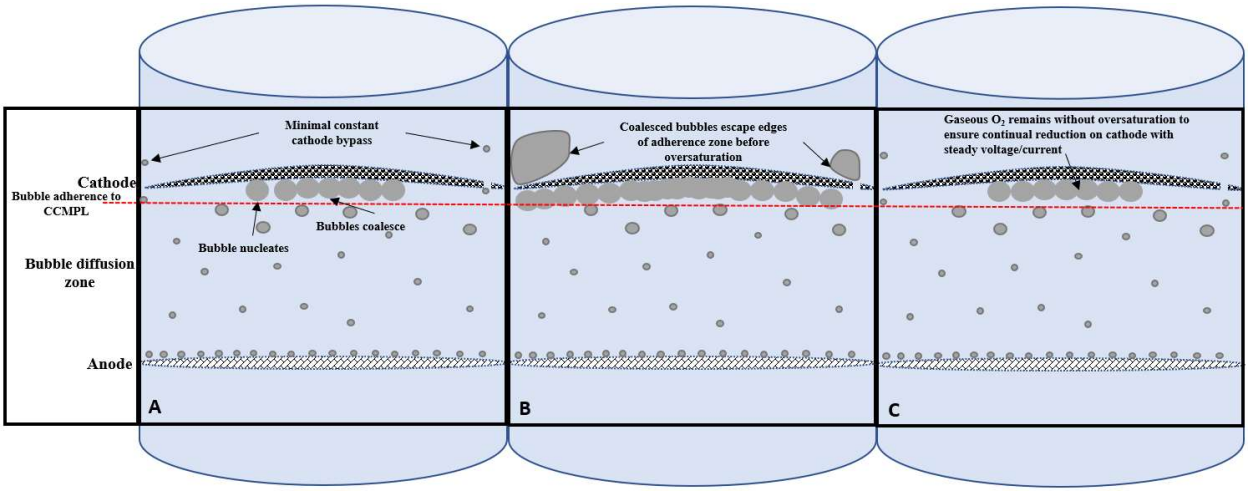

Figure S3. Convex CCMPL cathode with (A) O_2 reduction on PTFE surface, (B) engineered bubble bypass to prevent oversaturation, and (C) continual gas diffusion while ensuring steady voltage/current

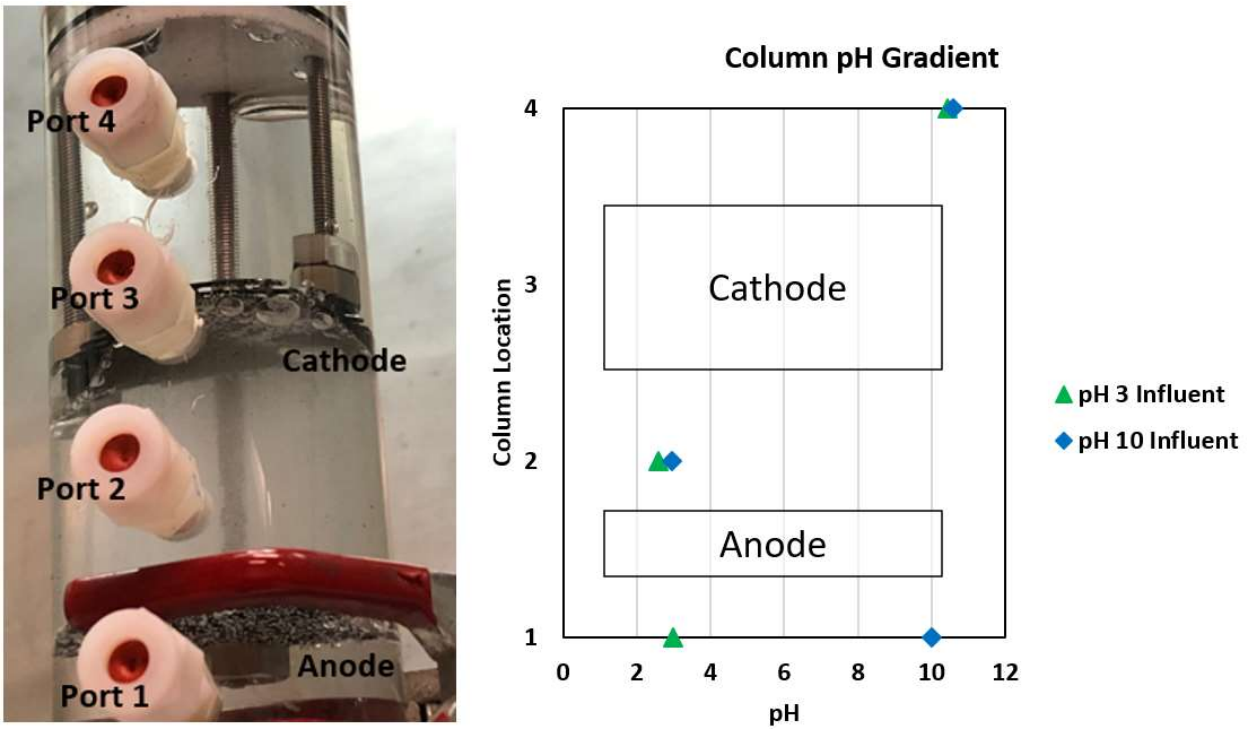

Figure S4. pH self-regulation within electrochemical system