

Newman Zone OS - Instructions

Newman Zone OS is an oxygen scavenger designed to remove the Dissolved Oxygen (DO) and lower the Oxidation-Reduction Potential (ORP) in injection water used for anaerobic bioremediation. Newman Zone OS uses a Vitamin C-based chemistry, with added food grade buffers and catalysts, to quickly and effectively prepare water for injection.

Recommended dosing is 1 g/L of Newman Zone OS in water. This dosing rate is designed to reduce water to non-detect DO and <-75 mV ORP within two hours. The ORP approaches -200 mV or less overnight in most situations. The more time the OS has to react with your water the better its performance will be.

How to use Newman Zone OS:

- **Fully Dissolve Newman Zone OS**

- The recommended procedure is to dissolve the OS into a highly concentrated solution in a 5-gallon pail or 55-gallon drum. Then, add the concentrated solution to an empty tank or tote. Finally, add water to the tank/tote and the filling action of the water should thoroughly mix the OS solution. Paint mixers are effective at dissolving the OS into a concentrated solution.
- Newman Zone OS will dissolve, with aggressive mixing, at up to 10% OS by weight in water.
- The water color will change after adding OS and it will be difficult to see if the reagent is completely dissolved.

- **Fully Disperse Newman Zone OS**

- The turbulence caused by filling the tank or tote is generally sufficient to fully disperse Newman Zone OS into solution. Additional gentle mixing may be necessary.

What to avoid when using Newman Zone OS:

- Avoid mixing Newman Zone OS continuously for lengthy periods of time as it may reintroduce Dissolved Oxygen into the solution
- Avoid adding Newman Zone OS to a full tote or tank without mixing as it may sink to the bottom undissolved or create a stratified solution, resulting in significantly reduced product performance.

For additional information please see the product info and safety data sheets available at RNASinc.com or contact us at info@RNASinc.com or (763) 585-6191.

Thank You!

RNAS Remediation Products