ECO Oxygen Technologies
3939 Priority Way South Drive
Indianapolis, Indiana 46240
317.706.6484
317.816.0940 Fax
www.eco2tech.com

WATER QUALITY DESIGN DATA CHECKLIST

D.O. supplementation for impaired lakes, reservoirs and rivers. To prevent the formation of hydrogen sulfide (H_2S) and the release of iron or manganese into solution, a positive dissolved oxygen (D.O.) level must be maintained in the hypolimnion. The amount of oxygen needed is determined by the volume of the hypolimion, its oxygen demand, and/or the sediment oxygen demand. This amount of oxygen is then used to design the ECO2 SuperOxygenation System.

Anticipated Project Implementation Date _____

Requested Response Date _____

REQUIRED INFORMATION		***Example***
Owner Information		*Anytown Water*
Site Name		*Clean Reservoir*
Oxygen Demand (lbs/day)		*8000 lbs/day*
Sediment Oxygen Demand (SOD) (mg/L/day)		*0.15 mg/L/day*
Hypolimnetic Oxygen Demand (HOD) (mg/L/day)		*0.3 mg/L/day*
Hypolimnion Volume (gal)		*1.17 MG*
Deepest Depth (ft)		*54 ft*
In-Lake or On-Land Installation Preference		*On Land*
Anticipated Yearly Use (days)		*180 days*
Electrical Cost ($/kwhr)		*$0.10*
Elevation Above Sea Level		*120 ft*
Water Temperature (^oC)		*18^{o}c*
Salinity (mg/L)		*0 mg/L*