



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

## AERATION BASIN DESIGN DATA CHECKLIST

WWTPs can add additional capacity to the aeration basin by supplementing D.O. with an ECO2 SuperOxygenation system. The ability to add additional oxygen in the same footprint can save significant time, effort, and capital expenditure on plant expansions. The technology can also be used to allow for increased BOD reduction under peak demand periods.

Anticipated Project Implementation Date \_\_\_\_\_

Requested Response Date \_\_\_\_\_

REQUIRED INFORMATION	<i>Example</i>
Owner Information _____	<i>Anytown WWTP</i>
Site Name _____	<i>Aeration Basin</i>
Aeration Basin Shape _____	<i>Rectangular</i>
<b>Aeration Basin Details</b>	
Volume _____	<i>9,600 gal</i>
Depth (ft) _____	<i>8 ft</i>
Length (ft) _____	<i>20 ft</i>
Width (ft) _____	<i>8 ft</i>
Diameter (ft) _____	<i>N/A</i>
# of Basins _____	<i>4</i>
Above or Below Grade _____	<i>Above Grade</i>
Average Flow Rate (gpm) _____	<i>700 gpm</i>
Oxygen Demand at Avg Flow Rate (lbs/day) _____	<i>2,000 lbs/day</i>
Peak Flow Rate (gpm) _____	<i>1,400 gpm</i>
Oxygen Demand at Peak Flow Rate (lbs/day) _____	<i>4,000 lbs/day</i>
Electrical Cost (\$/kwhr) _____	<i>\$0.10</i>
Elevation Above Sea Level _____	<i>120 ft</i>
Maximum Water Temperature (°C) _____	<i>18° c</i>