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POST TREATMENT AERATION DESIGN DATA CHECKLIST

The ECO2 SuperOxygenation system can efficiently add D.O. to the effluent of a wastewater treatment plant to aid with compliance of discharge permits or offset the impact of ammonia and BOD on the receiving river.

Anticipated Project Implementation Date _____

Requested Response Date _____

REQUIRED INFORMATION:	Example
Owner Information	Anytown WWTP
Site Name	Effluent Aeration
Post Treatment Aeration Facility Type (Basin/Pipe)	Basin
Post-Aeration Basin Details	
Volume	9,600 gal
Depth (ft)	8 ft
Length (ft)	20 ft
Width (ft)	8 ft
Diameter (ft)	N/A
Above or Below Grade	Above Grade
Post-Aeration Pipe Details	
Gravity Flow or Pumped	Gravity
Pump Flow Rate (gpm)	N/A
Pump Head (ft)	N/A
Diameter (in)	16 in
Length (ft)	5,000 ft
Current Minimum D.O. Level (mg/L)	2 mg/L
Desired D.O. Level (mg/L)	6 mg/L
Average Flow Rate (gpm)	700 gpm
Peak Flow Rate (gpm)	2800 gpm
Electrical Cost (\$/kwhr)	\$0.10
Elevation Above Sea Level	18° c
Maximum Water Temperature (°C)	22° c
Salinity (mg/L)	0 mg/L