



Design Application Data

Aerated Lagoon

Project Name: _____ Project Location: _____

New Project
 Existing Project
 Equipment Replacement

Contact Name: _____ Company Name: _____

Address: _____ Telephone: _____ Fax: _____

City, State, Zip: _____ Email: _____

Project Description:

Section 1: Basin Geometry

Please provide a sketch or engineers drawing of the lagoon basin. Make sure it includes flow sequence, prevailing wind direction, and any baffling present in the lagoon and a North directional arrow. Also provide the following information:

Surface Area: _____ Volume: _____ Length: _____ Width: _____

Water Depth: _____ Side Slope (H:V): _____ Freeboard (ft): _____

Measurement Reference Location:

Bottom of Basin
 Water Surface
 Top of Levee

Baffling Present:

Yes
 No
 Basin Type (Concrete, Earthen or Lined): _____

Section 2: System Wastewater Data

Wastewater Source:
 Municipal
 Industrial (Type: _____)
 Other (Source: _____)

Wastewater Characteristics:	Influent (mg/l)	Effluent (mg/l)	Mo. Avg. (mg/l)
BOD5:	_____	_____	_____
TSS:	_____	_____	_____
TKN:	_____	_____	_____

System Flow Data: Design Flow: _____ Peak Flow: _____ Average Flow: _____

<h4>Section 3: Operational Data</h4> <p>Provide the following data if available:</p> <p>Water Temp: Summer: _____ Winter: _____</p> <p>Salinity: _____ TDS: _____ Elevation: _____ Alpha (α): _____ Beta (β): _____</p> <p>State Regulatory Mixing Requirements (hp/mgal): Complete Mix: _____ Partial Mix: _____</p>	<h4>Section 4: Electrical Data</h4> <p>Voltage: _____ Phase: _____</p> <p>Hertz: _____</p> <p>Maximum Available Current: _____ Amps</p>
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Attach additional sheets as necessary and return to:
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