Design Application Data for Aerated Lagoon Basins

Project Name: _____ Location: _____

<table>
<tr><td></td><td align="center">Engineer</td><td align="center">Owner</td></tr>
<tr><td>Contact Name</td><td>_____</td><td>_____</td></tr>
<tr><td>Company Name</td><td>_____</td><td>_____</td></tr>
<tr><td>Street Address</td><td>_____</td><td>_____</td></tr>
<tr><td>City, State, Zip</td><td>_____</td><td>_____</td></tr>
<tr><td>Telephone</td><td>_____ Fax _____</td><td>_____ Fax _____</td></tr>
<tr><td>E-mail Address</td><td>_____</td><td>_____</td></tr>
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Comments: _____

☐ New   ☐ Existing

Section 1: Basin Geometry

Please provide a sketch of the system showing type, length and location of any baffling present in each pond, direction of prevailing winds, and orientation of the basins (provide North arrow on the sketch).

	Pond 1	Pond 2	Pond 3	Pond 4
Surface Area				
Volume				

IF A SKETCH IS UNAVAILABLE, SUPPLY THE INFORMATION REQUESTED BELOW:

	Pond 1	Pond 2	Pond 3	Pond 4
Length				
Width				

Measurement Location: _____Bottom of Basin _____Water Surface _____Top of Dike

Water Depth				
Side Slope (h:v)				
Freeboard				
Baffle (yes or no)				

Section 2: System Wastewater Data

	Influent (mg/l)	Effluent (mg/l)	Mo. Ave. NPDES Limit (mg/l)
BOD$_5$:	_____	_____	_____
TSS:	_____	_____	_____
TKN:	_____	NH$_4$-N:_____	NH$_4$-N:_____

System Flow Data (mgd):

Design: _____ Ave. Daily: _____ Peak 2-hour: _____

Section 3: Electrical Data

Voltage: _____ Phase: _____ Hertz: _____