

Design Application Data for Aerated Lagoon Basins

Project Name: _____ Location: _____

Engineer

Owner

Contact Name _____	_____
Company Name _____	_____
Street Address _____	_____
City, State, Zip _____	_____
Telephone _____ Fax _____	Telephone _____ Fax _____
E-mail Address _____	_____
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

	<u>Influent (mg/l)</u>	<u>Effluent (mg/l)</u>	<u>Mo. Ave. NPDES Limit (mg/l)</u>
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: _____
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N:/Billy/My Documents/Aerated Lagoon Worksheet

