

Blue Frog Technologies

Blue Frog Patented System is a Proprietary Technology

DAIRY EVALUATION FORM

Please forward information to our customer service department:

custserv@bluefrogsystem.net / Ph: (888) BFS-7912 / FAX: (866) 583-4160

The Blue Frog System (BFS) technology utilizes natural biological processes to biodredge your lagoon system eliminating mechanical dredging. All designs are customized to meet specific project objectives. Please complete the questionnaire to receive a design concept for your system.

Blue Frog System (BFS) Technology requires a 3' engineered float depth.

Applications: Sludge Storage Ponds, Effluent Storage Ponds, Wastewater Treatment Ponds, Stabilization Lagoons, Facultative Lagoons, Sludge Tanks, Oxidation Ditches, and EQ Tanks.

NOTE: All project designs require the following:

1. A System Schematic with flow patterns.
2. Include lagoon depths.
3. Six months of your most recent DMR's and a copy of your permit.
4. Influent data.
5. Sludge analysis report to determine TS & VS. (see bottom of page for instructions)
6. pH levels.
7. Explain any problem(s) unique to your facility.
8. Advise if your farm(s) are utilizing Copper Sulfate for the foot bath.

Date: _____

Dairy Name: _____

Contact Name: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Corporate Name: _____

Your solution to eliminate dredging!

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Corporate Contact Name: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Corporate Engineer: _____

If you are a contract farm, who do you contract for? _____

Office Number	
Cell Number	
E-mail Address	
Farm Number & Treatment Plant Address	

Will your company require performance/material and labor bonds? _____ (Y/N)

Provide a brief description of the project:

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Project Objectives:

1)	2)
3)	4)

If existing system, which part needs improvement? Odor _____ Solids _____

Quality of Reuse Water _____ Separation Problems _____ Other _____

Explain: _____

Is there a manure separation? _____ (Y/N)

If so, what method? Sloped screen _____ Screw Type _____ Rotary _____ Trench _____

Other (explain): _____

Is there fine fiber sedimentation? _____ (Y/N)

How many connected lagoons are in the system? _____

If flush system, how often is the allies flushed (released)? _____

Wastewater Treatment Review:

Number of Lagoons	
Project Timeframe	
Number of milkings per day	
Average Flows (MGD)	
Alley widths	

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Odor Level (1-minimal, 10-High)	
Where does the final treated effluent discharge? <i>(If Land Application, complete info below)</i>	
Discharge Frequency	
Barn Slope %	

Complete Lagoon Dimensions:

	Pond 1	Pond 2	Pond 3
Length			
Width			
Depth			

Important: Please include either a picture or engineered schematic with flow patterns.

Provide water analysis for influent, effluent (including nutrients), and sludge.

List any problem that is unique to your facility (include any heavy metals that may be present):

If freestall, what bedding is used? _____

Total number of cows going to lagoon?

Freestall: _____ Open lot flush: _____ Open lot other: _____ Add'l loading: _____

What type footbath is used for hairy wart and foot rot? _____

Is the footbath flushed to the lagoons? _____

Are the lagoon(s) being treated with any type additive? _____

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If flush system, where does the flush water come from? Lagoon: _____ Flush Pit: _____

Is water taken from? Top: _____ Bottom: _____ Other: Explain: _____

Total number of cows going to Lagoon(s): _____

Can solids be seen in any of the lagoons? _____(Y/N)

Have you previously dredged your ponds? _____(Y/N)

If yes, how often do you dredge? _____

What was the total cost of your last dredge: \$ _____

Do you currently have aerators or diffusers in place? _____(Y/N)

If yes, list the number and horsepower of units: _____

Estimated cost per kWh: _____

What is the available electrical supply at site?

Phase: _____ Hz: _____ Volts: _____

Sludge Sample Instructions:

Please use a Sludge Judge or equivalent to take the sample. Take five samples [over the flat part of the lagoon], in each corner and in the middle. Discharge the sludge portion of each sample into a five-gallon pail. Stir the pail to make a composite sample. Send a sample to the lab for Total Solids, Percent of Volatile Solids, field pH, field temperature and ammonia. The non-volatile fraction is the fraction that is not digestible.