

# Lagoon Survey Form

Facility Name & Lagoon Name		Date
Facility Street Address		City, State, Zip Code
Contact Name	Email Address	Phone
Service Provider Contact & Company Name		

## Facility Type

Municipality    Food/Beverage    Pulp & Paper    Institutional    Sugar Mill    Other (Specify) \_\_\_\_\_

## PAIN ASSESSMENT

Does the lagoon have any of the following issues or challenges?

- Fat, oil & grease/fat cap (FOG)    Sludge Accumulation    Odors: Rank 1= Lowest & 10= Highest \_\_\_\_\_    Limited Capacity  
 Chemistry Cost (Odor control, Carbon, Nutrients etc.)    Other \_\_\_\_\_

### Pains/Challenges comments:

How old is the lagoon & when was it last dredged/how often? \_\_\_\_\_

What discharge limits do they have? \_\_\_\_\_

**Lagoon Data:** Briefly describe the wastewater treatment process and the facility (*Draw a diagram of the facility*)

What is the volume of the lagoon? \_\_\_\_\_

*If not known get the dimensions (Length, width & depth or surface area & depth if irregularly shaped)*

What is the daily flow entering the lagoon? \_\_\_\_\_

What is the % solids of sludge in the lagoon? (If not known take a sample): \_\_\_\_\_

- % Volatile Solids? (If not known take a sample and testing/send to a laboratory): \_\_\_\_\_

Do they discharge from the lagoon and if so where to? \_\_\_\_\_

Is the lagoon aerated and if so what type? Yes or No Type: \_\_\_\_\_

**Nutrient loading and discharge data**

	TSS	BOD	COD	NH <sub>3</sub>	PO <sub>4</sub>	Alkalinity	pH	Temp.
Lagoon Influent								
Lagoon Effluent								

**Value Assessment**

**Chemical Usage**

Chemical Type	Volume & Frequency	Unit Cost
<i>Ex: Peroxide (for H<sub>2</sub>S control)</i>	<i>Ex: Two 10,000gallon Tanker Trucks/week</i>	<i>Ex: \$10,000/truck</i>

**Sludge/FOG Hauling**

Method	Unit Cost	Estimated total cost
<i>Ex: Sludge Dredging</i>	<i>Ex: \$35/ton</i>	<i>\$5,000,000</i>

**Draw Lagoon and add all sludge & FOG thickness data below**

*Take note of FOG/sludge thickness in multiple locations if possible and how much coverage FOG has over the lagoon.  
(Take pictures at baseline and at each assessment)*