## Challenges To Sewage Lagoons



# Operations

- Access
- Air Flow
- Discharge
- Sludge Removal



### Access

- Access to lagoon should be limited.
  - · Operators need easy access to lagoon.
  - Public needs limited access for dumping honey buckets.
  - Fencing must be designed appropriately for soil conditions.







## Air Flow

• Keeping brush clear to allow air flow is important to healthy lagoon and smell

reduction



# Size of Lagoon





• River

• Wetland

• Dry land



## Sludge Removal

- Lack of equipment
  - Dredge
  - Dewatering
  - Disposal





## Location

#### In town

• Smell and disease vector

#### Close to town

- Best for access
- Town may grow around lagoon

#### Far from town

- Too far to transport, leads to public dumping.
- Increased pumping and collection cost.

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# Foreign Materials

- Honey bucket liners
- Trash
- Broken Hoppers



## Collection

 Lagoons are part of a system and collection will determine the success of the Lagoon.





## Honey Buckets

- They are here to stay in some capacity.
- We need to have a plan for when they are needed.

