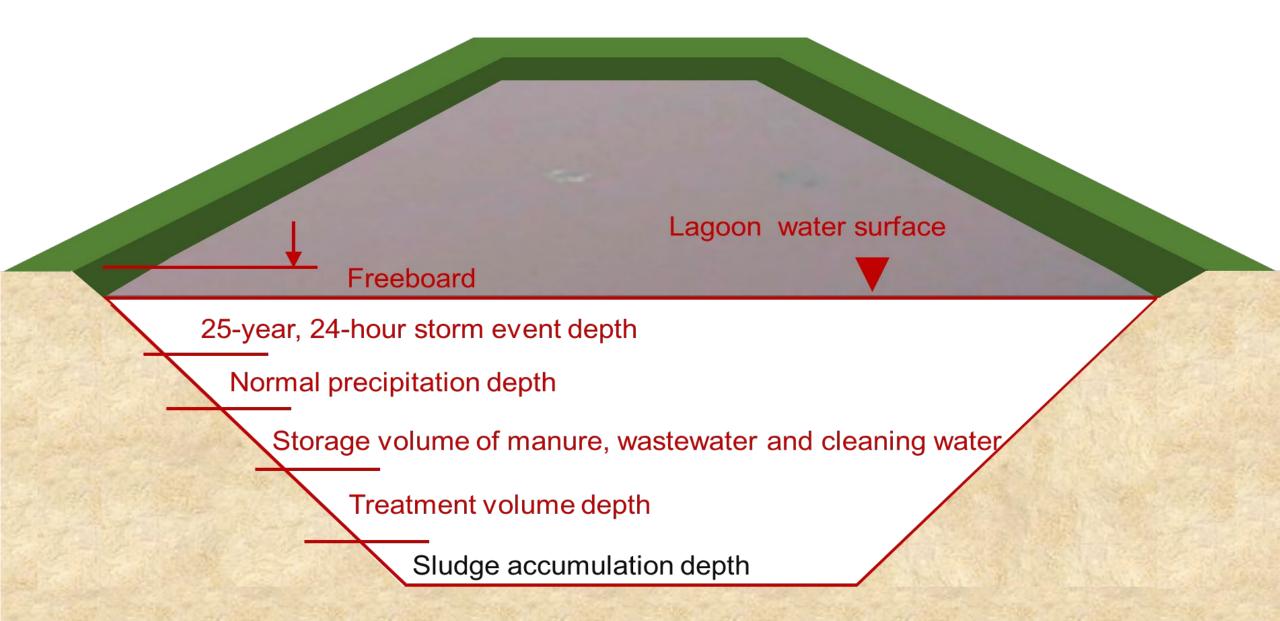


# **Swine Lagoon Design**



### Sludge buildup



### **Sludge Composition**

- Highly variable, depends on sampling technique
- Takes a long time to accumulate

#### Goal

- Develop standardized sludge sampling technique
- Understand the how depth impacts the composition of the sampled sludge
- If applicable, develop techniques to selectively recover valuable\* fractions of accumulated sludge

<sup>\*</sup> **Valuable** → Nutrient profile useful for agricultural crops, or high energy content suitable for bioenergy uses

# **Sludge Sample Collection**



**Sampler Preparation** 

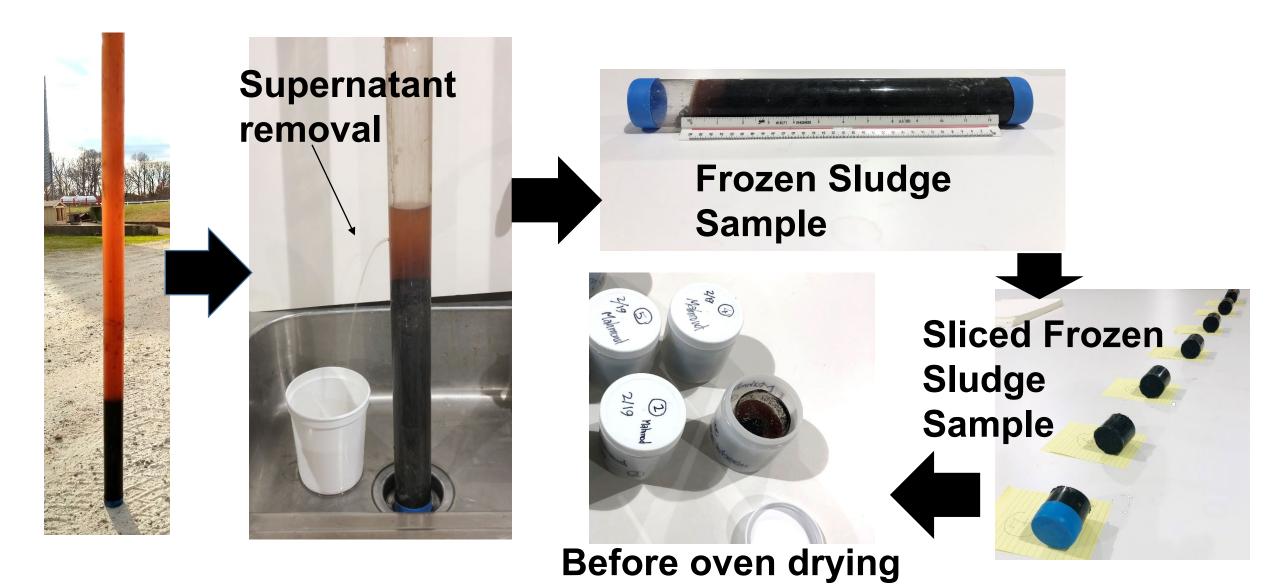


**Sample Collection** 



Sample acquired!

# **Sludge Sample Preparation**



### **Sludge Sample Moisture Content**

