Based on samples taken from this site in September 2017, the free liquid appearing on the surface of the 5 gallon sample after several hours of vibration (in transit) were poured off leaving behind the semi-thick sludge result consisting of 55% water, 45% solids. The pond sludge tested, based on my calculations, equate to approximately 1,985 lbs. per cubic yard or .99 tons/CY.

I am told there is 6,100 CY of sludge to be managed.

This is not a price quote, more an estimation of product needs based on bench test results.

My bench testing consisted of adding 6 types of drying materials each to 10 ounces of sludge placed in large plastic cups, then stirred. Below are the results of estimated volumes of each material needed to solidify the sludge to pass a paint filter test typically required by landfill.

- **Power Pellets**
  10% or 600 tons (30 truckloads) .................. $228,750.00

- **Fly Ash**
  70% or 4,270 tons (213 truckloads) ............... (FAIL)

- **High Calcium Lime**
  50% or 3,000 tons (150 truckloads) ................. $330,000.00

- **Premium Super Absorbent Polymer**
  2% or 122 tons (6 truckloads) ...................... $305,000.00 (FAIL)

- **Power Pellets 3X**
  5% or 305 tons (15 truckloads) ................... $175,000.00

- **Mineral/Polymer Blend**
  5% or 305 tons (15 truckloads) ................... $762,500.00

Based on the physical results given ample contact time, both Power Pellets products would be the best solution given cost of additives versus total truckloads to manage.

Contact: Mike Dorsch 724.316.8780