

Stock Tank Team Detailed Task List Fall 2013

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September 13, 2013

Hydrometer

Finish by September 30

- Find 2-3 (if possible) durable hydrometers for concentrations around 200 kg/m³ PACl
- Test accuracy of hydrometer and select best one if find more than one suitable option

Simple Centrifugal Pump

Finish by December 12

- Fabricate model system
- Design pump prototype and adjust according to experimental findings
- Experiment using dyed water (to distinguish density) and film
- Utilize hydrometer from previous task to measure concentration
- Determine if pumping system feasible for San Nicolas stock tank