

TEAM MINUTES - 9/18/20

Location: Zoom
Present: ALL
Time: 3:00-4:30
Writer: Jaden Cavender

Agenda Items

1. Discussed specific details involving sand, wear, elutriation, and modeling expectations. Design must have: 2 Sand channels, passive designs, a plastic model for rapid prototyping, quartz silica sand, and have a reproducible flow rate of at least 1.8 gal/min.
2. Finish must be smooth, and ABS plastic may be best to address flow maintenance. Flow must be primarily created through hydraulic head from a pump. Will be heavily focused on pipe geometry and potential energy.
3. Consider designing for -4C operating temperatures, and possibly integrating Comag magnetic filtration. Chemical handles are present to destroy pollutants. Also focus on minimizing operating costs to enhance efficiency within a similar footprint.

Action Items	Owner(s)	Deadline	Status
Write minutes, convey extra questions.	Jaden	9/25	In progress
Communicate design intentions	Ben	9/30	In progress
Communicate design intentions	Tobias	9/30	In progress
Write team agendas and organize tour of device.	Tayson	9/25	In progress
Continue writing Gantt schedule	Blake	10/6	In progress
Discuss Martin's documents and elutriation principles.	Full Group	9/24	In progress

