

Meeting Minutes

Date: September 25, 2017

Time: 5pm

Location: student design lounge

In Attendance: Jake Hall, Adam O'Keefe, Joe Stanley, Will Seegmiller, Rachel Rosasco

Discussed Items:

1) Client Meeting Transcript –

- D – Dr. Shrestha S – Dr. Beyerlein
- S – variety of wood stocks to be considered including wheat, coffee chaff, sawdust, hog fuel, analyze all options
- D – heat transfer system, think about way to move product through system
- S – potential testing apparatus to see how materials pyrolyze
- S – consider building experimental based prototype rather than production based project, creating artificial fuel conditions
- S - potential conditioning system before burning the oils and gases
- D – keep energy efficiency in mind when designing
- D – flow rate, temperature, controls need to be variable on the system
- S – May need outside heat source for prototype at small scale
- S- product is a design and a scaled down model, allowing for studies in batch mode
- S- also feasibility and cost analysis a deliverable, AR in the IAC with valid data
- S- careful about size, think about table top, may need external heat source
- S – in the next few weeks build process diagram for benchtop and industrial
- S – proof of concept, material experimentation , along with showing understanding is desired at the semester
- S – compare with other groups
- S – variable calculations look at logging sources as well