

Fabrication Team

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¹Constant Head Tank Subteam

¹OStARS Subteam

¹Floc Hopper Probe Subteam

February 12, 2016

Detailed Task List

Task Map

Constant Head Tank

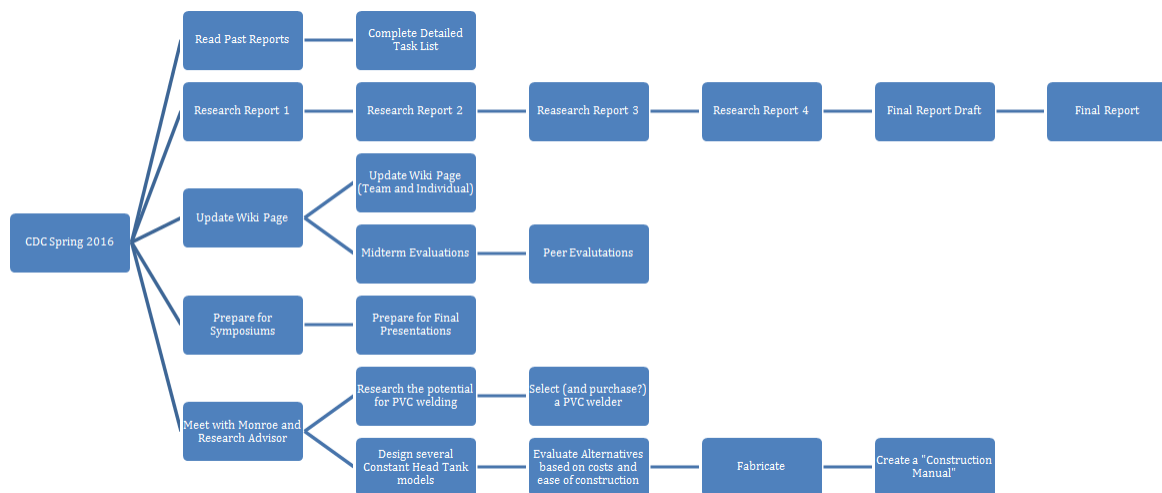


Figure 1: Constant Head Tank Subteam Detailed Task Map

Task List

1. **February 12:** Completed Detailed Task List and Update Wiki Page (individual and team)
2. **February 19:** Complete Literature Review.

3. **February 24:** Complete research regarding PVC welding and determine which PVC welder to purchase. Discuss options with Monroe and purchase a welder.
4. **February 26:** Create 2-3 designs for Constant Head Tanks. Complete Research Report 1.
5. **March 4:** Present designs to Monroe and AguaClara engineers. Select design to construct and purchase construction materials.
6. **March 11:** Complete Research Report 2.
7. **March 14:** Complete presentation for symposium.
8. **March 18:** Complete midterm peer evaluation. Update Individual Contribution Page.
9. **March 25:** Finish fabrication of constant head tank.
10. **April 8:** Complete testing and evaluation of constructed constant head tank model. Complete Research Report 3.
11. **April 15:** Present findings and model to Monroe and AguaClara engineers. Apply any feedback received.
12. **April 22:** Complete Research Report 4. Start new project (either the low cost turbidimeter or DOM photometer)
13. **May 11:** Complete Final Report draft. Clean up lab spaces.
14. **May 18:** Complete Final Report and peer evaluations. Update individual wiki page and team page
15. **May 20:** Upload Final Presentation and Final Report on team wiki page.

Team Roles

1. **Team Coordinator - Valerie:** Ensure team goals are accomplished in a timely manner and organize team meetings and meetings with Monroe.
2. **Materials Coordinator - Serena:** Responsible for placing orders for materials necessary to accomplish semester goals, keeping track of previous orders, and organizing materials previously ordered.
3. **Fabrication Coordinator - Anna:** Responsible for determining the fabrication process of the apparatus.

Detailed Task List

Task Map

OStARS

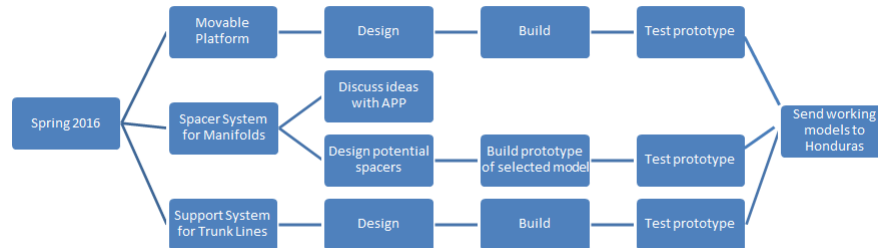


Figure 2: OStARS Subteam Detailed Task Map

Task List

1. **February 12:** Completed Detailed Task List and Update Wiki Page (individual and team)
2. **February 19:** Complete Literature Review.
3. **February 24:** Complete sketches for spacer system and movable platform.
4. **February 26:** Draw the designs in AutoCAD. Complete Research Report 1.
5. **March 4:** Present designs to Monroe and AguaClara engineers. Select design to construct and purchase construction materials.
6. **March 11:** Complete Research Report 2.
7. **March 14:** Complete presentation for symposium.
8. **March 18:** Complete midterm peer evaluation. Update Individual Contribution Page.
9. **March 25:** Finish fabrication of spacers and platform.
10. **April 8:** Complete testing and evaluation of constructed spacers and movable platform. Complete Research Report 3.
11. **April 15:** Present findings and model to Monroe and AguaClara engineers. Apply any feedback received.
12. **April 22:** Complete Research Report 4. Start new project (either the low cost turbidimeter or DOM photometer)
13. **May 11:** Complete Final Report draft. Clean up lab spaces.

14. **May 18:** Complete Final Report and peer evaluations. Update individual wiki page and team page
15. **May 20:** Upload Final Presentation and Final Report on team wiki page.

Team Roles

1. **Team Coordinator - Mengqi:** Ensure team goals are accomplished in a timely manner and organize team meetings and meetings with Monroe.
2. **Materials Coordinator - Subhani:** Responsible for placing orders for materials necessary to accomplish semester goals, keeping track of previous orders, and organizing materials previously ordered.

Detailed Task List

Task Map

Floc Hopper Probe

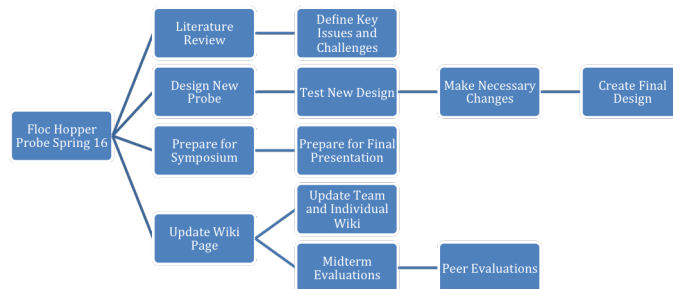


Figure 3: Floc Hopper Probe Subteam Detailed Task Map

Task List

1. **February 12:** Completed Detailed Task List and Update Wiki Page (individual and team)
2. **February 19:** Complete Literature Review.
3. **February 24:** Complete schematic for new probe design
4. **February 26:** Create a new Floc Hopper Design and run tests. Complete Research Report 1.
5. **March 4:** Present designs to Monroe and AguaClara engineers. Select design to construct and purchase construction materials.

6. **March 11:** Complete Research Report 2.
7. **March 14:** Complete presentation for symposium.
8. **March 18:** Complete midterm peer evaluation. Update Individual Contribution Page.
9. **March 25:** Finish fabrication of Flocc Hopper Probe.
10. **April 8:** Complete testing and evaluation of constructed constant head tank model. Complete Research Report 3.
11. **April 15:** Present findings and model to Monroe and AguaClara engineers. Apply any feedback received.
12. **April 22:** Complete Research Report 4. Start new project (either the low cost turbidimeter or DOM photometer)
13. **May 11:** Complete Final Report draft. Clean up lab spaces.
14. **May 18:** Complete Final Report and peer evaluations. Update individual wiki page and team page
15. **May 20:** Upload Final Presentation and Final Report on team wiki page.