Subteams by Semester

Spring 2017

Fall 2016

Anaerobic Fluidized Bed (AFB) Reactor
Chemical Dose Controller
Countercurrent Stacked Floc Blanket Reactor
Floc Size And Count App (Floc App)
Fluoride
High Rate Sedimentation
Investments
Milli-Sedimentation Team
Plant Operations Smartphone Tracker
Prefabrication 1L/s
Ram Pump
Rapid Mix Contact Chamber (RMCC)
Sensor Development
Small Scale Plant Testing
Enclosed Stacked Rapid Sand Filtration
StaRS Filter Theory
Upflow Anaerobic Sludge Blanket (UASB)
Public Relations

Fall 2015

Summer 2009

Plate Settler Spacing Research Plan
Experiments Varying Alum Concentration
Filter Foam
Surface Foam Formation
Fluid shear influences on flocculation

Spring 2009

Experiments with Flow Rates and Inner Tube Diameters
Floc Blanket Formation

Fall 2008

Linear Chemical Dose Controller
Nonlinear Chemical Dose Controller Initial Research
Plate Settler Spacing

Summer 2008

Experiment Using Straws for Tube Settlers

Spring 2008

Archive Tube Flocculator

Fall 2010

Exploring the Effects of Velocity Gradients on Settler Performance
Foam Filtration
Inlet Manifold
Tube Floc Research
Test Suspension for FReTA (Fall-Summer 2010)
Stacked Rapid Sand Filter

Summer 2010

Foam Filtration
Nonlinear Chemical Dose Controller Verification
Tube Floc Research
Stacked Rapid Sand Filter

Spring 2010

Exploring the Effects of Velocity Gradients on Settler Performance
Exploring the Coupled Effects of Capture Velocity and Velocity Gradient on Settler Performance
Foam Filtration
Inlet Manifold
Stacked Rapid Sand Filter

Fall 2009

Experiments with Saturated Water Influent
Experiments with the Velocity Gradient
Experiments with Natural Organic Matter
Nonlinear Chemical Dose Controller
Rapid Mix Chamber Design Program
Flocculator (Fall 2009-Summer 2010)

Summer 2009

Plate Settler Spacing Research Plan
Experiments Varying Alum Concentration
Filter Foam
Surface Foam Formation
Fluid shear influences on flocculation