Integration

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Overview

Integration is a subteam of the Automated Design team comprised of the subteam leaders of the AutoCAD, Hydraulic Design, and Unit Processes Teams. The purpose of this team was to more thoroughly define the big picture of the Automated Design Program and to direct the efforts of the subteams in a way such that the separate pieces of the puzzle mesh together at the end of the semester.

Hierarchy and Variable Tracking

1. General Flowchart
2. Pipe Database Description
3. Master Program
    a. User Inputs are entered by either LabView or referenced from the User Inputs file
    b. Unit Process functions include Chemical Feed, Flocculator, Sedimentation Design
        i. Unit Process Inputs
        ii. Unit Process Outputs
    c. Hydraulic Design functions include Launder, Sludge Pipe, Channel, Grit Chamber, Plant Leveling Tank and Plant Water Level Elevations Design
        i. Hydraulic Design Inputs
        ii. Hydraulic Design Outputs
    d. Some imputs used in the plant drawing generation are set by the AutoCAD team such as colors for layers. Those inputs calculated in the previous functions and are needed by the AutoCAD functions are listed here.
        i. AutoCAD Inputs from Design

Spring 2008 Pages

- Prioritized Tasks for Spring 2008
- See what we're up to in our Meeting Minutes

Future Work

- Thoughts about the Report Generator