

ENV 4417: WATER QUALITY & TREATMENT
Department of Civil & Environmental Engineering
University of South Florida

Semester Project
Stage 5

Prof J A Cunningham
Fall 2015

The next stage of the group project is to prepare a *rough draft* of your paper.

- The rough draft will count for 4% of your project grade.
- The rough draft will be graded on effort, completeness, and formatting, but not on content or quality.
- Due date: Tuesday, November 3, at the beginning of class.
- In your paper, the key questions that you want to answer are:
 - What *processes* does our treatment plant employ?
 - How do those processes allow the plant to meet their *treatment objectives*?
 - How does the selection and operation of those processes depend upon the *quality or attributes of the influent water* and upon the *required quality of the final product*? (e.g., why did your plant select those particular processes, not some other processes?)
- As you work on answering these questions, please refer to the *ENV 4417 writing rubric* to see what elements constitute an effective paper.
- Rough drafts should be prepared in a standard word-processing software program (e.g., Microsoft Word) and printed on a high-quality printer. Single-sided or double-sided printing is acceptable.
- Students should use 1-inch margins and a standard font such as 12-point Times New Roman. Papers should be double-spaced.
- For the purposes of formatting citations, tables and table headers, figures and figure captions, reference lists, and section headers, students should mimic the style of one of the following five journals: *Environmental Engineering Science*, *Environmental Science & Technology*, *Journal of the American Water Works Association*, *Water Research*, or *Water Environment Research*. Those are prominent peer-reviewed scientific journals that publish papers related to water and wastewater treatment.
- The first page of your paper should be a cover page that mimics the title section and the author list of the journal you selected. The second page should contain the abstract (and, if applicable, key words), again in the style of your selected journal. Main text should begin on page 3. Pages should be numbered, starting with the title page as page 1.
- Tables and figures either can be embedded in the text of the paper, or can be provided separately at the end of the paper.

If you have questions, please ask.