Environmental Competition

Overview
The goal of the environmental engineering competition is to offer a problem-solving challenge, not unlike an engineering consulting firm might receive from a potential client. All teams will be given the same problem. The challenge will be to provide guidance and technical input to the client with a very short turnaround. The problem will be related to wastewater treatment and require application of engineering principles, realistic constraints, engineering judgment, and creativity.

Teams will produce a 1-2 page technical memorandum (single-spaced, 1” margins, 11 point font or larger) addressed to the client and detailing the team’s approach and solution to the problem.

Prior to the competition, teams should:
- Practice technical writing! Clear and concise writing will make you more competitive!
- Review water and wastewater concepts, equations, processes, and basic design principles.

Rules
Each school may enter as many teams of 3-4 undergraduate and/or graduate students as they like. Teams will have 90 minutes to formulate their technical memoranda. No outside help is allowed during the competition period (i.e., from engineers, faculty advisors, other teams, or students who are not on the team). At the end of the 90 minutes, teams will submit their memoranda to the judges or their representatives by copying their PDF or Word document to a competition USB drive. Judging criteria will be released before the conference.

Awards
- Most Practical
- Most Innovative/Creative

Materials allowed
- Any print or electronic reference materials
- Laptop computers and calculators
- Writing utensils