

Project Evaluation Form
Academic Year 2002-2003

Please rate the project in each of the six categories.

Evaluation Category	Scale	Score	Comments
Completeness of Design Package	0-10		
Creativity of Design	0-10		
Quality of Engineering Design	0-25		
Quality of Management Plan	0-25		
Effective Use of Project Costs/Budget	0-10		
Effectiveness of Presentation	0-20		
Total	100		

Evaluator's Name: _____

Judging Criteria

Completeness of Design Package

A complete and timely design package includes:

- A letter of transmittal to the Project Team.
- A subdivision plat with lots, streets, and possibly a wastewater collection system.
- A set of “buildable” wastewater (collection and) treatment plans and technical specifications.
- A plan for developing community buy-in with public hearings and town meetings.
- A plan for developing the Responsible Management Entity.
- A project cost estimate and costs incurred while developing the plan.
- A presentation that would be appropriate to give at a community planning meeting.

The project is considered late if the project package was delivered to Dr. Farrell-Poe after May 10, 2002.

Creativity of Design

The Consortium Student Design Competition Project is looking for creative designs for solving onsite wastewater treatment designs. Thinking “out of the box” should be rewarded if the results are economically, socially, and technically feasible. Consider:

- creative treatment train combinations
- innovative dispersal/reuse concepts
- whether plan effectively integrates the design into other environmental issues & factors

Quality of Engineering Design

The design should be technically feasible, easily understood, and build-able. The plan should:

- contain complete set of specifications
- contain bid documents
- be copy-able (no multi-color lines on plans) & transferable

Quality of Management Plan

There should be a plan for developing community buy-in with public hearings and town meetings. There should be a plan for developing the Responsible Management Entity. The plan should address the level of management proposed, how the management will be conducted, and estimated annual costs.

Complete plans should address:

- who will own the system(s)
- who will maintain/operate the system(s)
- how were rates calculated
- how does the design relate to planning and zoning
- were efforts made to cooperate with existing utilities
- what ordinances/rules & regulations were enacted if any

Effective Use of Project Costs/Budget

There are two aspects to this category: estimated cost of the overall project, as designed, and design plan costs. Typically, the design plan costs are in the neighborhood of 5-10% of the overall cost of the project. Operation and maintenance costs should be considered in the plan.

Effectiveness of Presentation

The presentation should be developed to be given to a community planning committee. Use of technical jargon, not defined or overly used, is undesirable. Visual aids should be easily understood or well-discussed, easily seen, and appropriately used. Each team is given \$200 to prepare for this presentation, therefore, it is expected that a professional presentation will be conducted.

Final score reflects the average of the individual judges' scores.