On-site Wastewater Disposal in a Mountain Community

Owner: Residents

History and Problem
Boulder County has conducted a survey of 16,000 on-site disposal systems in the County, of which as many as 6,000 operate without permits. Many of the unpermitted systems are 25 to over 50 years old. In addition, these systems are used in residences that are clustered and located near drinking water wells, magnifying the potential of inadequately treated domestic wastewater to contaminate surface and ground water.

The County Health Department has requested bids for an engineering study of alternatives for appropriate on-site or small wastewater treatment alternatives for a mountain community located in Boulder County.

Constraints:
1. Compliance with Colorado (State) discharge standards for the Saint Vrain River and the County On-Site Disposal Regulations.
2. Development of a public outreach and education plan so residents will participate in developing a wastewater treatment/disposal plan for their community.

TEAM ASSIGNMENT DUE SEPTEMBER 29
Prepare a written bid on an engineering project to conduct the feasibility study of alternatives to and recommended actions to solve the problem of unapproved and possibly inadequate on-site wastewater disposal systems in the Boulder County residential community. Components of your team’s bid proposal are given below. Examples of bids will be posted or on reserve in the engineering library.

Make an oral presentation of your bid proposal, utilizing effective presentation media.

Bid Should Include:

1. Scope of services to be provided
2. Qualifications of the engineering firm
3. Deliverables
4. Schedule
5. Engineering Costs