COUNTY DEPARTMENT AGENDA REQUEST

Department:	Water System	Presenter(s):	Tony Parrott
Meeting Date:	Thursday, June 10, 2010	Type of Request:	New Business

Wording for the Agenda:

Approval of the Water Committee's recommendation to conduct two pilot studies for the purpose of determining the best method for Total Organic Carbon removal at the South Fayette Water Treatment Plant at a total cost of $49,950.00.

Background/History/Details:

The Water System is required to remove dissolved organic carbon from the raw water in our drinking water supply to meet a treatment technique. To determine the best treatment technique, the Water System needs to test the options available to decide which will be the most beneficial for us to use.

Two pilot tests/studies need to be done at the South Fayette Water Treatment Plant to determine which treatment technique is best for Fayette County's use. MIEX DOC Resin is a magnetized ion exchange resin designed to primarily remove dissolved organic carbon (DOC) from drinking water supplies. MIEX Resin also has the ability to remove large portions of less selective ions such as sulfate, nitrate, and chromate, for example. The cost for the two week pilot for MIEX is $13,000.00, plus $1,800.00 for equipment transportation, for a total of $14,800.00. The ACTIFLO CARB process is a new high performance, compact polishing system using micro-sand enhanced flocculation and settling, with the addition of fresh and recycled powder activated carbon and hydrocyclone. This process removes taste and odor, color and organic/non-organic matter. The cost for the four week ACTIFLO CARB pilot test is $8,250.00 per week, plus equipment transportation at $2,150.00; total being $35,150.00.

Both tests/studies will be conducted by both companies simultaneously using the same water.

What action are you seeking from the Board of Commissioners?

Approval to conduct the Total Organic Carbon pilot studies at the South Fayette Water Treatment Plant at a cost of $49,950.00. Also requesting authorization for the Chairman to execute required agreements after approval by the County Attorney.

If this item requires funding, please describe:

Funding is available from the Renewal & Extension Fund.

Has this issue come before the Commissioners in the past?	No	If so, when?	
Do you need audio-visual for the presentation?	No	Back-up Material Submitted?	Yes

STAFF USE ONLY

Approved by Finance	Yes	Reviewed by Legal	Yes
Approved by Purchasing	Not Applicable	Approved by County Clerk	Yes
Administrator's Approval	Yes		

Staff Notes: