

MEMORANDUM

Date: March 22, 2006
To: *Chatfield Watershed Authority*
Re: Policy For Commercial/Industrial Individual Sewage Disposal Systems



Chatfield Authority Policy For Commercial/Industrial Individual Sewage Disposal Systems

This Policy shall apply to applicants proposing an individual sewage disposal system (a.k.a. "septics") to serve industrial or commercial development of any size, or residential development where wastewater flows will be greater than 2,000 gpd.

When reviewing an application for septic systems, the Authority shall use the wastewater flow estimates adopted by the Colorado Board of Health (5 CCR 1003-6) (Table 1), unless the wastewater flow estimates adopted by Tri-County Health Department (Table 2) are more stringent.

Applications for a septic system to serve commercial or industrial development of any size, or residential development which will generate 2,000 gpd or more within the Chatfield Watershed shall state the use (e.g. bowling alley, office building, shopping center) and calculate the average wastewater flows using the Colorado Board of Health or Tri-County Health Department regulations, whichever is more stringent. The Colorado Board of Health has not adopted a process for waiver or exemption of its wastewater flow estimates. Therefore, the Authority will not consider waivers or exemptions from the applicable wastewater flow estimates.

The Authority shall not approve septic systems that are within the 100-year floodplain.

Any septic system serving commercial or industrial development must provide advanced treatment to remove nutrients, and shall monitor and report influent flows and effluent quality.

Tri-County Health applies a peaking factor of 1.5 for predicting septic wastewater generation. This peaking factor is lower than the value recommended in the DRCOG *Clean Water Plan*, which can vary from 2-5 peaking. The Authority will accept a peaking factor of 1.5 for proposed commercial/ industrial onsite systems consistent with Tri-County Health guidelines. Permitted treatment facilities (>2,000 gallons per day) are still expected to use peaking factors consistent with the DRCOG *Clean Water Plan*.

Any proposed wastewater system for a residential, commercial or industrial use in the Chatfield watershed that will produce 2,000 gpd or more must comply with state, local, and regional requirements, including preparation of a Clean Water Plan; a wastewater

utility plan consistent with the DRCOG Utility Plan Guidance; and a phosphorus allocation.

Any proposed septic system for a commercial or industrial development in the Chatfield Watershed must consider connection to existing wastewater treatment facilities within a 10-mile radius of the proposed site. The Authority encourages regionalization of wastewater treatment and any proposal must address this wastewater regionalization issue. Additionally, the Authority may require that a phosphorus monitoring plan be developed that includes annual monitoring and reporting as part of any proposed commercial or industrial onsite system.

The Authority will not approve the location of septic systems for a development that plans to annex to a water and sanitation district or other provider that does not have an approved wastewater utility plan or the capacity and ability to provide service within the proposed development phase of the project.