



Chatfield Watershed Authority Policy

Commercial/Industrial Individual Sewage Disposal Systems Policy

Board Adopted November 20, 2017

This Policy shall apply to site applications for 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. This policy is developed pursuant to the Chatfield Reservoir Control Regulation (5 CCR 1002-73)¹ (“Control Regulation 73”) and Amended and Restated Intergovernmental Agreement² (“IGA”). 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 recommend approval of 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

¹ The Chatfield Watershed Authority was formed by local governments and Title 32 Districts, industry, corporations and other entities within the Chatfield Watershed to implement point source, nonpoint source and/or stormwater controls. (Regulation 73.2.4). The Chatfield Watershed Authority shall develop an implementation program of best management practices for control of erosion and sediments. (Regulation 73.6)

² The purpose of the Authority is to provide for and promote a regional, coordinated approach for the provision of water quality in the Chatfield Watershed for recreation, fisheries, drinking water supplies, other beneficial uses, and for the public benefit of the Members of the Authority, their inhabitants, and the People of the State of Colorado, as deemed appropriate by the Board of Directors of the Authority, and may include but is not limited to: providing for the construction, operation, and maintenance of point and nonpoint source control projects; monitoring of the Chatfield Reservoir, South Platte River below Strontia Springs Reservoir, and Plum Creek and the water flowing into them; recommending water quality standards therefore; continuing to implement Colorado Water Quality Control Commission Chatfield Reservoir Control Regulations, 5 CCR 1002-73; and coordinating with state and federal agencies regarding water quality control measures.

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.

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 recommend a requirement 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 recommend approval of 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.