

Bear Creek Watershed Association Policy

Approved February 11, 2015

BCWA Policy 23 – System of Wastewater Treatment Works



Statement of Basis and Purpose

The Bear Creek Reservoir Control Regulation at 5 C.C.R. 1002-74 identifies “Wastewater Treatment Facility” as a system or facility for treating, neutralizing, stabilizing, or disposing of domestic wastewater, which system or facility has a designed capacity to receive more than two thousand gallons per day of domestic wastewater. The term “Wastewater Treatment Facility” also includes appurtenances to such system or facility, such as outfall sewers and pumping stations, and equipment related to such appurtenances. The control regulation identifies all wastewater treatment facilities that have a total wasteload allocation of phosphorus.

The Bear Creek Watershed Association as the designated management agency can recommend the set of wastewater treatment facilities that require a phosphorus wasteload allocation (Table 1). The Association also recommends the appropriate phosphorus poundage allocation among the designated facilities, which is incorporated into the control regulation and individual discharge permits (Table 2). Table 1 list the system of Association recommended wastewater treatment works/plants in the watershed. These permitted wastewater treatment facilities are minor treatment works as defined by the Water Quality Control Division permit classification system.

The expectations of the Association as a management agency are defined in the SWQMP, July 2011 and the Colorado Continuing Planning Process. A management agency is encouraged to work closely with the Water Quality Control Division on water quality and water resources issues. Operating, collector and interceptor agencies must work through the designated management agency to which they are tributary. The Association is expected to carry out appropriate portions of the State Plan and the Control Regulation, while effectively managing, designing, constructing and operating wastewater treatment works and related facilities for a designated service area in the Bear Creek Watershed. The Association can raise revenues, and accept and use grants, loans and funds from other sources for wastewater treatment management purposes. The Association is responsible for assuring implementation of an approved wastewater treatment management plan, with each participating member of the Association paying its proportionate share of costs.

The Association has the legal, institutional, managerial and financial capability necessary to carry out their responsibilities. The Association can develop strategies and recommendations for all wastewater dischargers within the Bear Creek Watershed. The Association provides input on all wasteload allocations for dischargers, assists the WQCD in the development of TMDLs for listed impaired waters, assures individual sewage disposal systems (e.g., septic systems) are not a quality problem, and assists permitted stormwater MS4s with stormwater management. The Association implements the following six authorities and responsibilities, as defined in the SWQMP:

1. Implement policies and recommendations and assure implementation of the State Plan, Control Regulation and specific wastewater utility plans.
2. Effectively manage wastewater treatment and oversee operating and collection agencies.
3. Accept and utilize grants, loans, and funds from other sources for water quality management purposes.
4. Raise revenues, including the assessment of appropriate fees and charges, and incur short- and long-term indebtedness.
5. Where applicable, accept industrial wastewater for treatment and manage pretreatment programs.
6. Develop and maintain wastewater utility plans for designated operating agencies.

The total wasteload allocation of phosphorus from all wastewater treatment facilities in the Bear Creek Watershed is 5,255 pounds per year. Table 2 lists the permitted wastewater treatment facilities and their designated phosphorus allocations. Each individual discharger in the Bear Creek Watershed is limited to an annual wasteload of total phosphorus, except as provided through trading provisions in the control regulation and as administered in the Association Trading Guidelines (See BCWA Policy 1 and BCWA Policy 19). Wastewater discharges cannot exceed a total phosphorus effluent concentration of 1.0 mg/l as a 30-day average.

Table 1 Recommended system of wastewater treatment works in the watershed

Wastewater Treatment Plants	Permit Number	Facility Type	Design Capacity MGD
Bear Creek Drainage			
JCS Outdoor Lab	CO-0032514	Minor	0.0075
Brookforest Inn	CO-0030261	Minor	0.009
Evergreen Metro District	CO-0031429	Minor	0.99
West Jefferson County Metro District	CO-0020915	Minor	0.7
Kittredge Water and Sanitation District	CO-0023841	Minor	0.125
Genesee Water and Sanitation District	CO-0022951	Minor	0.8
Forest Hills Metro District	CO-0037044	Minor	0.05
Morrison	CO-0041432	Minor	0.35
Turkey Creek Drainage			
Aspen Park Metro District	CO-0631016	Minor	0.025
Conifer Metro District	CO-047295	Minor	0.043
Conifer Sanitation Association	COX-0047392	Minor	0.019 (Liftstation)
JCS Conifer High School	CO-047988	Minor	0.052
Tiny Town	CO-0036129	Minor	0.005
Geneva Glen	CO-0044652	Minor	0.0105
The Fort	NA	Minor	0.012

Table 2 Phosphorus Wasteload Allocations

Bear Creek Watershed Wastewater Treatment Plants	Phosphorus Pounds/ Year
Evergreen Metropolitan District	1,500
West Jefferson County Metro District	1,500
Genesee Water and Sanitation District	1,015
Town of Morrison	600
Kittredge Sanitation and Water District	240
Forest Hills Metropolitan District	80
Conifer Metropolitan District and Conifer Sanitation Association	80
Aspen Park Metropolitan District	40
Jefferson County Schools – Mt. Evans Outdoor Lab	20
Jefferson County Schools - Conifer High School	110
Bear Creek Development Corp. - Tiny Town	5
Brook Forest Inn	5
Geneva Glen	5
Total Operational Facilities	
The Fort	18
Reserve Pool	37
Total Phosphorus Wasteload	5,255 lbs/year

Policy Positions

1. The Association will implement the requirements of a management agency as defined in the Colorado Statewide Water Quality Management Plan and the Colorado Continuing Planning Process.
2. The Association develops and recommends to the Water Quality Control Division and the Water Quality Control Commission a system of wastewater treatment facilities necessary to manage and treat wastewater within the Bear Creek Watershed, excluding onsite wastewater treatment systems.
3. The Association provides input to the Water Quality Control Division and the Water Quality Control Commission on nutrient wasteload allocations for all designated wastewater dischargers.
4. All permitted wastewater discharges are expected to have and maintain a wastewater utility plan.
5. The Association supports regionalization of wastewater treatment facilities when feasible. The wastewater utility planning process should identify opportunities for facility consolidation.