



Bear Creek Watershed Association
Wastewater Treatment Facility Information Sheet 04

Genesee Water & Sanitation District.

Approved BCWA Board September 10, 2014

TYPE OF PERMIT	Domestic – Minor Municipal, Mechanical Plant
Permit Number:	CO-0022951
Permit Issue Date	April 14, 2008
Permit Expire Date	June 1, 2013
Facility Location:	NE ¼ of the SW ¼ of S30, T4S, R70W, 6 th PM; 2310 Bitterroot Lane, Golden, CO 80401 at 39-40-34 latitude North and 105-16-26 longitude West
SIC Code:	4952 Sewerage Systems
Facility Classification:	Class B
Facility Hydraulic Capacity:	0.80 MGD
Facility Organic Capacity:	1,340 lbs. BOD per day (30 day average)
Treatment Works:	Headworks (screening , grit removal, flow monitoring), magnesium hydroxide addition for alkalinity/pH, Two treatment trains (MLE Process), alum for phosphorus removal, secondary clarifiers, gaseous chlorine disinfection, chlorine contact chambers, sodium thiosulfate de-chlorination, effluent flow monitoring.
Lift Stations:	4
Service Areas:	Genesee Water & Sanitation District. The District's service area stretches from slightly north of Interstate Highway 70 to Bear Creek on the south, and contains approximately 2,870 acres. Within the District there are 1,270 single and multi-family users and approximately 30 commercial users, including retail, restaurants, churches, schools and recreational facilities
Compliance Schedules	none
Industrial Pretreatment Program	Grease Trap Program – No industrial customers
2013 Service Area Population Estimate:	Population 3,699, Population Served 4,040. 1,592 EQRs. See BCWA Fact Sheet 41 Wastewater Demographics and BCWA Fact Sheet 26 Watershed Demographics
2035 Service Area Population Estimate:	4,200. Very minimal growth potential. (no major expansion of service area planned, system near build-out)

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2013 Average Daily Effluent Treated:	0.246 MGD
Plant Expansion (5-years):	None planned
Discharge Point:	Outfall 001A, following the chlorine contact chamber and prior to entering the unnamed tributary to Bear Creek
Waterbody Identification:	Discharged to unnamed gulch which is a tributary of Bear Creek
Receiving Water Designation (Segment):	COSPBE04A
Receiving Water Classification (Segment):	Class 2, Aquatic Class 1, Cold Water, Water Supply & Agricultural Stream
Threatened and Endangered Species	None
Control Regulation #74	Because the discharge from this facility ultimately impacts Bear Creek Reservoir, it is subject to the Bear Creek Control Regulation, Regulation 74. This regulation imposes a total phosphorus concentration limitation of 1.0 mg/l on all dischargers in the watershed. In addition, the regulation specifies a mass limitation for dischargers of record.
Control Regulation #74 Waste-load Allocation	1,015 lbs/yr
Control Regulation #74 Total Phosphorus Limit	1.0 mg/l as monthly average
303(d) Listing Regulation #93	Aquatic life and temperature
Temporary Modifications	None
Water Quality Pollutants of Concern	phosphorus, nitrogen, temperature, ammonia
Water Quality Assessment	WQCD 9-11-2012 completed for Bear Creek, Troublesome Gulch, Mount Vernon Creek, and an unnamed tributary to Bear Creek, near the Evergreen Metropolitan District Wastewater Treatment Facility (WWTF), Bear Creek Cabins WWTF, Kittredge Sanitation and Water District (S&WD) WWTF, West Jefferson County Metro District WWTF, Genesee Water and Sanitation District WWTF, the Forest Hills Metropolitan District WWTF, and the Town of Morrison WWTF.
Web Site	http://www.geneseewater.com/

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