



Bear Creek Watershed Association

Wastewater Treatment Facility Information Sheet 09

Historic Brook Forest Inn

Facility: Historic Brook Forest Inn	
TYPE OF PERMIT	Domestic- Minor Municipal, Mechanical Plant
Permit Number:	CO-0030261
Permit Issue Date	1/28/2008
Permit Expire Date	Renewal application submitted 4-21-2014
Facility Location:	NW ¼ of NW ¼ of S31, T5S, R71W; at 8136 South Brook Forest Road in Evergreen, CO; at 39.579394° latitude North and 105.380764° longitude West.
SIC Code:	4952 Sewerage Systems
Facility Classification:	Class B per Section 100.5.2 of the Water and Wastewater Facility Operator Certification Requirements
Facility Hydraulic Capacity:	0.009 MGD
Facility Organic Capacity:	18 lbs BOD5/day
Treatment Works:	The facility consists of an aeration basin, clarifier, and chlorine contact basin. An alum injection system has been installed for phosphorus removal. Influent flow is based on the water meter equipped with a totalizer. Effluent flow is measured by a 90° V-notch weir equipped with a totalizer. Division records show that the facility obtained site approval on July 6, 1976 under site application approval No. 2066. Because a hardcopy of site approval letter No. 2066 is not available for review, the approved hydraulic capacity of 0.009 MGD and approved organic capacity of 18 lbs BOD5/day provided in this permit are based upon the rationale
Lift Stations:	There are no lift stations in the service area.
Service Areas:	Brook Forest Inn and property only
Compliance Schedules	The data shown in the preceding tables indicates that the Brook Forest Inn WWTF has exceeded permit limits on several occasions including one exceedance each of the May ammonia monthly average, the BOD5 monthly average and the BOD5 percent removal limits. There were two exceedances each of the TSS monthly average and the TSS percent removal limits, and three exceedances of the TSS weekly average limit. Finally, there have been five exceedances of the total phosphorous monthly average limit. Total phosphorus compliance being addressed through trading.
Industrial Pretreatment Program	None

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2014 Service Area Population Estimate:	1 EQR; Hotel 16 rooms, Restaurant 60+ seats, Pub, Special Events
2035 Service Area Population Estimate:	Fixed EQR, no expectation of growth or change in use
2014 Average Daily Effluent Treated:	0.0008 MGD
Plant Expansion:	Plant upgrades necessary in 5-years
Discharge Point:	001A, following the chlorine contact chamber and before entering Cub Creek.
Waterbody Identification:	Cub Creek
Receiving Water Designation (Segment):	The permit lists the wrong stream segment as 3. The correct stream segment is 5, Swede, Kerr, Sawmill, Troublesome, and Cold Springs Gulches, and mainstem of Cub Creek from the source to the confluence with Bear Creek.
Receiving Water Classification (Segment):	The WQCD used the wrong cold water classification (life cold 1) as part of the WQA; the correct classifications are Aq Life Cold 2, Recreation E, Water Supply, Agriculture
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 Wasteload Allocation	Cumulative annual limitation is 5 pounds of total phosphorus
Control Regulation #74 Total Phosphorus Limit	1.0 mg/l as monthly average
303(d) Listing Regulation #93	None
Temporary Modifications	None
Water Quality Pollutants of Concern:	phosphorus, nitrogen, temperature, ammonia
Water Quality Assessment	WQCD 9-11-2012 completed WQA for BFI January 28, 2008
BCWA Factsheets	BCWA Factsheet 26 BCW Demographics, BCWA Factsheet 41 Wastewater Demographics
Web Site	http://www.thebrookforestinn.com/

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