



Brian Schweitzer, Governor

P. O. Box 200901

Helena, MT 59620-0901

(406) 444-2544

Website: [www.deq.mt.gov](http://www.deq.mt.gov)

**PUBLIC NOTICE NO. MT-13-01**  
**February 4, 2013**

PURPOSE OF PUBLIC NOTICE

The purpose of this notice is to state the Department's intention to issue a wastewater discharge permit to the facility listed in this notice. This permit is issued by the Department under the authority of 75-5-402, Montana Code Annotated (MCA) and the Administrative Rules of Montana 17.30.1001 et seq., Montana Ground Water Pollution Control System (MGWPCS). The Water Protection Bureau has prepared a draft permit for the facility listed below. Copies of the draft permit, statement of basis, and environmental assessment are available upon request from the Water Protection Bureau or on the Department's website [www.deq.mt.gov](http://www.deq.mt.gov)

APPLICANT INFORMATION

APPLICANT NAME: East Gallatin Commercial Center Property Owners Association, Inc.  
PO Box 7214  
Bozeman, MT 59771

FACILITY NAME: East Gallatin Commercial Center

FACILITY LOCATION: Northwest ¼ of Section 5, Township 1 South, Range 5 East,  
Gallatin County

RECEIVING WATER: Outfall 001: Class I Ground Water

PERMIT NUMBER: MTX000165

This is a renewal of an existing permit for the East Gallatin Commercial Center. A wastewater treatment system is used to treat the wastewater from up to 40 businesses. The facility drainfield discharges into Class I ground water via one outfall (Outfall 001).

The East Gallatin Commercial Center Wastewater Treatment System (WWTS) treats the waste stream from 40 commercial lots; this waste stream is expected to be residential strength in nature. The waste stream from the East Gallatin Commercial Center is collected via a gravity sewer collection system and directed into a lift station. The lift station pumps the raw sewage and wastewater through a force main into a 6,000 gallon distribution tank.

From the distribution tank the waste stream is pumped into the WWTS. The WWTS is an International Water Systems model 6000 sequencing batch reactor (SBR) system. The waste stream is directed into one of the three 6,000 gallon SBR tanks. Each of these tanks is aerated. After treatment in the SBR tanks, the effluent from the SBR tanks is decanted off and piped into a 3,000 gallon feed tank while the waste sludge from the SBR tanks goes to two 6,000-gallon sludge tanks. This sludge is hauled off-site for disposal by a licensed septic pumper.

The effluent from the feed tank is piped through a mechanical building that houses the advanced treatment equipment. In the mechanical building, a coagulation tank (a 55-gallon chemical holding tank) injects a metered amount of a polymer settling agent into the effluent line. A static mixer ensures the uniform mixing of the polymer with the effluent. After mixing with the polymer, the effluent is filtered through a Centra-flo Gravity Sand Filter (Model CF-07) that provides a polishing step prior to disinfection.

A turbidity monitor (HF Scientific Model DRT-200E Analyzer) between the sand filter and the ultraviolet (UV) disinfection unit measures the turbidity of the effluent. This monitor controls a valve that either returns the effluent with a high turbidity and/or TSS reading to the feed tank for additional treatment or allows the adequately treated effluent to enter the Sanitron Model S5000B UV disinfection unit.

After treatment in the UV disinfection unit the effluent leaves the mechanical building and enters a 6,000-gallon dose tank for subsequent disposal. There is a Seametrics IP 80 Series flow meter installed in the line between the dose tank and the drainfield that measures the instantaneous and accumulated effluent flow rate. This flow meter is attached to the Programmable Logic Controller computer-based system that allows for the remote monitoring and complete control of all aspects of the WWTS (e.g. the opening and closing of valves). The effluent is pressure-dosed into a subsurface drainfield (Outfall 001). The drainfield discharges the treated effluent into Class I ground water.

### PUBLIC COMMENT

Public comments are invited ANYTIME PRIOR TO CLOSE OF BUSINESS **March 3, 2013**. Comments may be directed to the DEQ Permitting & Compliance Division, Water Protection Bureau, PO Box 200901, Helena, MT 59620. All comments received or postmarked PRIOR TO CLOSE OF BUSINESS **March 3, 2013** will be considered in the formulation of final determinations to be imposed on the permit. If you wish to comment electronically, you may e-mail David Dunbar or Barb Sharpe at [WPBPublicNotices@mt.gov](mailto:WPBPublicNotices@mt.gov).

During the public comment period provided by the notice, the Department will accept requests for a public hearing. A request for a public hearing must be in writing and must state the nature of the issue proposed to be raised in the hearing (ARM 17.30.1024).

The Department will respond to all substantive comments and issue a final decision within sixty days of this notice or as soon as possible thereafter. Additional information may be obtained upon request by calling (406) 444-3080 or by writing to the aforementioned address. The complete administrative record, including permit application and other pertinent information, is maintained at

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the Water Protection Bureau office in Helena and is available for review during business hours.

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