



PUBLIC NOTICE NO. MT-16-07
April 11, 2016

PURPOSE OF PUBLIC NOTICE

The purpose of this notice is to state the Department's intention to issue wastewater discharge permits to the facilities listed in this notice. These permits are 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 draft permits for the facilities listed below. Copies of the draft permits, fact sheets, and environmental assessments are available upon request from the Water Protection Bureau or on the Department's website www.deq.mt.gov

APPLICANT INFORMATION

APPLICANT: City of Bozeman

FACILITY NAME: City of Bozeman Water Treatment Plant

FACILITY LOCATION: 7024 Sourdough Canyon Rd.
Bozeman, MT 59715

RECEIVING WATER: Outfall 002 – Class I Ground Water

PERMIT NUMBER: MTX000224

A determination has been made by DEQ to reissue a Montana Ground Water Pollution Control System (MGWPCS) permit, MTX000224, to the City of Bozeman for the City of Bozeman Water Treatment Plant. This permitting action authorizes the discharge of treated domestic wastewater to ground water. The scope of this permitting action is for the operation, and maintenance of the domestic wastewater treatment and disposal system.

The City of Bozeman has operated water treatment at this Bozeman Creek location since 1957. The City recently constructed an entirely new treatment plant which came online in March of 2014. The new plant currently serves over 40,000 water users.

The water treatment plant generates wastewater which will undergo treatment and on-site disposal. This proposed MGWPCS permit will only authorize the discharge of wastewaters that are domestic-in-nature. The facility uses subsurface structures (Outfall 002) to discharge treated wastewater to underlying groundwater. These structures are located: Section 06, Township 03 South, Range 06 East; Latitude: 45.599157° North; Longitude: 111.022672° West; Gallatin County.

This facility is concurrently permitted under a separate Montana Pollutant Discharge Elimination System (MPDES) MT0030155 permit. The MPDES permit, most recently issued on November 01, 2014, permits the discharge of wastewater to Bozeman Creek. The MPDES permit does not authorize discharge of wastewater to ground water. Additional permit and environmental assessment documents addressing this surface water discharge activity have been completed and are available upon request.

The water treatment plant is authorized by rule under the U.S. Environmental Protection Agency (USEPA) Underground Injection Control (UIC) program. The UIC permitting program runs concurrent to the State MGWPCS permitting program. The City also maintains Public Water Supply approval pursuant to 75-6-101, MCA et seq.

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APPLICANT: Ueland Land Development, LLC

FACILITY NAME: Homestake Meadows Phase II WWTP

FACILITY LOCATION: The WWTP is located on Lot 44 of the Homestake Meadows Phase II subdivision along Liberty Lane, ~1 mile east of Continental Drive along Blacktail Canyon Road.

RECEIVING WATER: Outfall 001 – Class I Ground Water

PERMIT NUMBER: MTX000204

A determination has been made by DEQ to reissue Montana Ground Water Pollution Control System (MGWPCS) permit, MTX000204, to Ronald Ueland for the proposed Homestake Meadows Phase II WWTP. This permitting action authorizes discharge of treated wastewater to ground water. The scope of this permitting action is for the construction, operation, and maintenance of the proposed wastewater treatment and disposal system.

The Homestake Meadows subdivision transports its residential wastewater influent via a grinder pumps station to low pressure sewer mains. It is delivered to an International Wastewater System (IWS) wastewater treatment system, which is a Sequencing Batch Reactor (SBR) package plant. The influent from the collection system enters the distribution / surge tanks prior to being distributed to 3 SBR tanks for secondary treatment, removing biological oxygen demand (BOD) and nitrogen by alternating between aerobic and anoxic conditions within the tanks. Prior to effluent reaching the sand filter, a coagulant is added to the discharge line for polishing. After the sand filter the effluent passes through UV disinfection, then through a turbidimeter. If the effluent is greater than 5 Nephelometric Turbidity Units (NTU), the effluent is returned to the head of the plant for additional treatment. If the effluent is at or below a turbidity of 5 NTU, it is sent to a dose tank. From the dose tank the effluent is gravity fed to a subsurface outfall (Outfall 001) that then sends the effluent to a

large drainfield located north of the treatment plant.

The discharge structure's location is: SE ¼ SE ¼ Section 15, Township 02, Range 07 West, Platt 286B; the coordinates are: Latitude: 45.91833°, Longitude: -112.449722°; Silver Bow County, Montana.

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APPLICANT: Heller Development LLC

FACILITY NAME: 46 Degrees North Subdivision

FACILITY LOCATION: North of Helena, North and adjacent to Resurrection Cemetery

RECEIVING WATER: Outfall 001 – Class I Ground Water

PERMIT NUMBER: MTX000236

A determination has been made by DEQ to issue a Montana Ground Water Pollution Control System (MGWPCS) permit, MTX000236, for the 46 Degrees North Subdivision Wastewater Facility. This permitting action authorizes discharge of treated domestic wastewater to ground water. The facility serves as a centralized collection, treatment and disposal system for residences and businesses located at the 46 Degrees North Subdivision.

The facility will treat domestic wastewater utilizing a sequencing batch reactor treatment system discharging to pressure dosed underground drainfields.

The proposed facility will use subsurface structure (Outfall 001) to discharge treated wastewater to underlying groundwater. The discharge structure location is; 46.62808 degrees N, 112.01221 degrees W, Lewis and Clark County.

PUBLIC COMMENT

Public comments are invited ANYTIME PRIOR TO CLOSE OF BUSINESS May 10, 2016. 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 May 10, 2016 will be considered in the formulation of final determinations to be imposed on the permits. If you wish to comment electronically, you may e-mail the Department at DEQWPBPublicComments@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).

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

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