



PUBLIC NOTICE NO. MT-12-43
September 4, 2012

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); the Administrative Rules of Montana (ARM) 17.30.1301 *et seq.*, Montana Pollutant Discharge Elimination System (MPDES); ARM 17.30.1001 *et seq.*, Montana Ground Water Pollution Control System (MGWPCS); and Sections 402 and 303 of the Federal Clean Water Act. The Water Protection Bureau has prepared draft permits for the facilities listed below. Copies of the draft permits, statements of basis, 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 NAME: Sun Prairie Village County Water & Sewer District

FACILITY NAME: Sun Prairie Village Wastewater Treatment Facility

FACILITY LOCATION: 1595 Adams Boulevard, Great Falls, MT

RECEIVING WATER: Sun River

PERMIT NUMBER: MT0028665

This is a reissuance of the MPDES permit for the Sun Prairie Village Wastewater Treatment Facility. The facility proposes to discharge treated domestic wastewater to the Sun River. The permit maintains existing technology-based effluent limits, including five-day biochemical oxygen demand (BOD₅), total suspended solids (TSS), and pH. It corrects the BOD₅ mass-based limit. This permit renewal also maintains the current water quality-based effluent limits for *Escherichia coli* (*E.coli*) bacteria. Total ammonia, as N effluent limits will become effective beginning October 1, 2017. Monitoring of the effluent is required prior to entering the receiving waters. A special conditions section contains the requirement for annual reports to document progress for meeting the ammonia limit, as well as future nitrogen and phosphorus limits.

On September 21, 2000, a U.S. District Judge issued an order stating that until all necessary total maximum daily loads under Section 303(d) of the Clean Water Act are established for a particular water quality limited segment, the State is not to issue any new permits or increase permitted discharges under the MPDES program. The order was issued in the lawsuit *Friends of the Wild Swan v. U.S. EPA, et al., CA 97-35-M-DWM*, District of Montana, Missoula Division. The DEQ finds that the issuance of this proposed permit does not conflict with the order because it is not a new permit and does not allow any increase in the pollutant load to the receiving water.

* * * * *

APPLICANT INFORMATION

APPLICANT NAME: Vaughn Cascade County Sewer District
FACILITY NAME: Vaughn Domestic Wastewater Treatment Facility
FACILITY LOCATION: 1110 6th Avenue, Vaughn, MT
RECEIVING WATER: Sun River
PERMIT NUMBER: MT0021440

This is a renewal of the MPDES permit for Vaughn's Wastewater Treatment Facility. Vaughn operates a three-cell aerated lagoon without effluent disinfection, with a design flow of 0.0894 million gallons per day. The facility discharges to the Sun River.

The permit maintains existing technology-based effluent limits for five-day biochemical oxygen demand (BOD₅) and pH. The limits for total suspended solids (TSS) were revised and percent removal for BOD₅ and TSS were added. This permit renewal maintains the current water quality-based effluent limits for *Escherichia coli* (*E.coli*) bacteria. Ammonia effluent limits will become effective beginning October 1, 2017. The previous nitrogen and phosphorus limits were found to be invalid and new limits are proposed for a future permit cycle. Monitoring of the effluent is required prior to entering the receiving waters. A special conditions section contains the requirement for annual reports to document progress for meeting the ammonia limit, as well as future nitrogen and phosphorus limits.

On September 21, 2000, a U.S. District Judge issued an order stating that until all necessary total maximum daily loads under Section 303(d) of the Clean Water Act are established for a particular water quality limited segment, the State is not to issue any new permits or increase permitted discharges under the MPDES program. The order was issued in the lawsuit *Friends of the Wild Swan v. U.S. EPA, et al., CA 97-35-M-DWM*, District of Montana, Missoula Division. DEQ finds that the issuance of this proposed permit does not conflict with the order because it is not a new permit and does not allow any increase in the pollutant load to the receiving water.

* * * * *

APPLICANT INFORMATION

APPLICANT NAME: FBN Inc.
1002 US Highway 93
Victor, MT 59875

FACILITY NAME: Kootenai Creek Village

FACILITY LOCATION: Southeast ¼ and Southwest ¼ of Section 21, Township
9 North, Range 20 West, Ravalli County

RECEIVING WATER: Outfall 003: Class I Ground Water

PERMIT NUMBER: MTX000170

This is a renewal of an existing permit for the Kootenai Creek Village. A community wastewater treatment system is used to treat the domestic wastewater from up to 119 two bedroom apartments and a clubhouse. The facility drain field discharges into Class I ground water via a single outfall (Outfall 003).

Raw wastes enter the septic tanks of each lot where primary treatment removes most of the settleable and floatable solids. The effluent from the septic tanks is collected via a PVC collection system and routed via gravity drainage into the recirculating tanks.

There are two (2) recirculating tanks with a total capacity of 44,000 gallons; each tank has a 22,000 gallon capacity. The effluent is pumped from the recirculating tanks into an Orenco AdvanTex™ treatment system consisting of six AX 100 recirculating trickle filter pods. After treatment on the fixed-film media in the pods, the effluent is collected via 4-inch PVC drain pipes where a splitter valve with a 4:1 return rate directs the effluent into either the recirculation tank for additional treatment or into the dose tanks for discharge into the drain fields.

There are three (3) dose tanks with a combined capacity of 6,000 gallons. The effluent is pressure-dosed, at 381 gallons per dose, into two (2) subsurface drain fields. Both drain fields discharge into the same Class I ground water.

* * * * *

APPLICANT INFORMATION

APPLICANT: City of Belgrade
91 East Central Avenue
Belgrade, MT 59714

FACILITY NAME: Belgrade Wastewater Treatment Plant

FACILITY LOCATION: Near the intersection of Lagoon Road and E. Baseline Road, Belgrade, Montana. T01N, R04E, Section 36. Gallatin County.

RECEIVING WATER: Outfall 001: Class I Ground Water

PERMIT NUMBER: MTX000116

This MGWPCS permit renewal is associated with the City of Belgrade's Wastewater Treatment Plant located northeast of Belgrade, Montana. The proposed permit renewal reauthorizes the City to discharge effluent to ground water using three groups of rapid infiltration (RI) beds; Outfalls 001-A, Outfall 002-B and Outfall 003-C. Each group is individually comprised of five 180 feet by 100 feet RI beds which are constructed in an east-west orientation.

Outfall 001-A is located at Latitude 45.795039°N, Longitude -111.162285°W in the E ½ of Section 36, Township 1 North, Range 4 East, and adjacent to the north side of wastewater treatment Cell #3.

Outfall 002-B is located at Latitude 45.794992°N, Longitude -111.167079°W in the E ½ of Section 36, Township 1 North, Range 4 East, and northwest of wastewater treatment Cell #3.

Outfall 003-C is located at Latitude 45.785813°N, Longitude -111.149856°W in the NE ¼ of Section 6, Township 1 South, Range 5 East. The IR beds are approximately 2,520 feet southeast of the treatment cells, south of Baseline Road between Lagoon Road and Tubb Road.

The discharge from these outfalls is to the shallow unconfined aquifer which is approximately 20 to 30 feet in depth in the immediate vicinity. The receiving water for Outfalls 001-A, 002-B and 003-C is Class I ground water as defined in ARM 17.30.1006(1).

* * * * *

APPLICANT INFORMATION

APPLICANT: Barretts Minerals Inc.

FACILITY NAME: Barretts Dillon Plant

FACILITY LOCATION: 8625 Highway 91 South
Dillon, Montana 59725
Section 17, Township 08 South, Range 09 West
Beaverhead County

RECEIVING WATER: Outfall 001: Class I Ground Water

PERMIT NUMBER: MTX000094

This permit renewal is associated with Barretts Minerals Inc (BMI)-Dillon Plant facility located approximately eight miles south of Dillon Montana. The Dillon Plant is a talc milling and beneficiation facility which has been in production since the early 1950's. The ore is processed into coarse, medium and ultrafine products which are used as functional additives and fillers for use in a number of industrial and healthcare markets. The proposed permit renewal reauthorizes BMI to discharge industrial wastewater, which may include boiler blow-down and boiler lab wastewater, to ground water using an infiltration pond (Outfall 001).

Outfall 001 is approximately 18,850 square feet with an effective volume of approximately 4.11 acre-feet. The outfall is located approximately 500 feet east of the main production building. It is situated in the southeast ¼ of Section 17, Township 08 South, Range 09 West, or 45° 08' 10" North Latitude and -112° 43' 55" West Longitude.

The discharge from this outfall is to a shallow unconfined aquifer which is approximately 13 to 21 feet in depth in the immediate vicinity. The receiving water is Class I ground water as defined in ARM 17.30.1006(1).

In addition to the discharges occurring at Outfall 001; the facility also operates an 8.56 acre-foot wet tailing pond/water reclaim facility with an estimated capacity of 40 acre-feet. The tailing ponds are regulated and monitored under the Hard Rock Program Operating Permit #00009.

PUBLIC COMMENT

Public comments are invited **ANYTIME PRIOR TO CLOSE OF BUSINESS October 4, 2012**. 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 October 4, 2012** 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 David Dunbar or Barb Sharpe at 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 17.30.1373 and 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 the Water Protection Bureau office in Helena and is available for review during business hours.

PUBLIC NOTICE NO. MT-12-43
September 4, 2012