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LEGISLATIVE ENVIRONMENTAL
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Montana Department of
ENVIRONMENTAL QUALITY

Steve Bullock, Governor
Tracy Stone-Manning, Director

P. O. Box 200901 Helena, MT 59620-0901 (406) 444-2544 Website: www.deq.mt.gov

PUBLIC NOTICE NO. MT-14-08
March 17, 2014

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:	RC Resources, Inc. 7 Rock Creek Rd. PO Box 1488 Noxon, MT 59853
FACILITY NAME:	Rock Creek Mine – Road Project
FACILITY LOCATION:	Township 26 North, Range 32 West, Section 10, Sanders County
RECEIVING WATER:	Outfalls 001-005: Miller Gulch Outfalls 006-009: Rock Creek or Ephemeral Tributary Outfall 010: Big Cedar Gulch Outfall 011: Orr Creek Outfalls 012-013: Rock Creek Outfalls 014-026: West Rock Creek or Ephemeral Tributary
PERMIT NUMBER:	MT0031763

The permittee has proposed to operate a copper/silver mine approximately seven miles northeast of the Town of Noxon in Sanders County. This permit addresses the initial construction phase prior to the commencement of exploratory mining. The permittee has

applied for an individual permit for the discharge of storm water related to construction of the adit and the excavation of a trench in an existing Forest Service road to install a pipeline and power line, followed by backfilling the trench. In addition, the permittee will make improvements to the road in order to reduce the sediment delivery to the Rock Creek drainage. The majority of the activity will occur within the existing road prism except for the location where directional drilling will be used to pass the pipeline and power line under Rock Creek and two short sections of road widening or realignment. The pipeline and power line installation will start at the beginning of Forest Service Road 150 and move incrementally up towards the adit site. The potential to discharge storm water from each outfall will only occur for a few days during active construction as the project progresses towards the adit. Adit portal construction will consist of installing storm water controls (diversion ditches and berms), topsoil stripping and stockpiling, grading for the adit pad, and the construction of a lined water treatment pond. No mixing zone is being proposed in this permit action. Non-degradation requirements for this new source have been included in development of this permit. Monitoring requirements include turbidity, precipitation, compliance with best management practices, discharge event observations, and reporting.

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 all necessary TMDLs have been established for water quality limited segments.

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APPLICANT INFORMATION

APPLICANT:	Town of Culbertson 210 Broadway Ave. Culbertson, MT 59218
FACILITY NAME:	Culbertson Wastewater Treatment Facility
FACILITY LOCATION:	Roosevelt County T28N R56E S32
RECEIVING WATER:	Outfall 001: Missouri River
PERMIT NUMBER:	MT0031798

Culbertson proposes to replace an aging, non-discharging facultative lagoon system with a new aerated lagoon system, followed by ultraviolet disinfection, which discharges to the

Missouri River. This permit proposes technology-based effluent limits based on National Secondary Standards for 5-day biochemical oxygen demand (BOD5), total suspended solids (TSS), and pH; mass-based BOD5 and TSS load limits; and percent removal requirements. In addition, water quality-based effluent limits were evaluated and an effluent limit is proposed for Total Recoverable Iron.

DEQ reviewed the facility for nonsignificance, and found no reasonable potential to exceed significance levels. Additional monitoring will be required for arsenic and cadmium after the upgraded facility is built to allow for additional review during the next permit cycle.

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APPLICANT INFORMATION

PERMITTEE:	Valley Sand and Gravel, LLC 7510 Applegate Drive Helena, MT 59602
FACILITY NAME:	Applegate Meadows Subdivision
FACILITY LOCATION:	Lot 69A C.O.S. #3176187 Helena, Montana 59602
RECEIVING WATER:	Outfall 001 – Class I Ground Water
PERMIT NUMBER:	MTX000176

This public notice is for a renewal of the Montana Ground Water Pollution Control System (MGWPCS) permit for the Applegate Meadows Subdivision (facility) located in Helena, MT. This facility is owned by Valley Sand and Gravel, LLC (permittee). The facility is located on a 9.45 acre lot, lot number 69A, at the end of Guettler Road in the northeast corner of the subdivision. The facility treats the wastewater from up to 68 single family homes and currently serves about 160 residents. The wastewater treatment system consists of 68 septic tanks, each with a 1,500 gallon capacity, a recirculation tank with a 30,000 gallon capacity, two 2,500 square foot recirculating sand filters (RSFs), two 3,400 gallon dose tanks, and two pressure-dosed drainfields with a combined surface area of 19,500 square feet.

The individual septic tank with an effluent filter on each lot removes most of the floatable and settleable solids from the raw waste stream from each residence. The effluent from each individual septic tank is then conveyed via a 6-inch gravity main into the recirculation tank. A 2-inch force main conveys the effluent from the recirculation tank into the RSFs for treatment. The effluent that percolates through the RSF is collected via a 4-inch slotted PVC drain pipe and returned via a 4-inch PVC main to the recirculation tank for either additional treatment or directed into the dose tanks (A and B) for subsequent disposal. The return rate for the effluent is a 4:1 ratio, returning 80% of the effluent to the recirculation tank and diverting 20% of the effluent into the dose tanks.

The treated effluent is pressure-dosed from the dose tanks into the subsurface drainfields (A and B) that discharge into Class I ground water Dose Tank A doses treated effluent into Drainfield A; Dose Tank B doses treated effluent into Drainfield B. Drainfield A is the western drainfield and Drainfield B is the eastern drainfield. Each drainfield has a meter vault with a flow meter and a sampling port installed between the dose tank and the drainfield. Each drainfield is installed about 2 feet below ground surface (bgs), has four alternating zones, and receives up to 10,000 gallon per day (gpd) of treated effluent. The facility's maximum daily design flow is 20,000 gpd.

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APPLICANT INFORMATION

APPLICANT:	Hungry Horse Development Partners, LLC
FACILITY NAME:	Hungry Horse Wastewater Treatment Plant
FACILITY LOCATION:	Near Colorado Boulevard and North Street Hungry Horse, Montana 59919 Section 8, Township 30 North, Range 19 West Flathead County
RECEIVING WATER:	Outfall 001: Class I Ground Water
PERMIT NUMBER:	MTX000193

The proposed Montana Ground Water Pollution Control System (MGWPCS) permit renewal authorizes Hungry Horse Development Partners, LLC to discharge treated domestic wastewater from the proposed Hungry Horse Wastewater Treatment Plant to ground water.

The proposed wastewater treatment system would collect and treat domestic wastewater from a proposed 600 to 800 home subdivision and the existing community of Hungry Horse, MT. The plans include influent screens for primary treatment. Primary treatment is followed by aerobic and anaerobic biological treatment. After initial biological treatment the wastewater enters a Membrane Bioreactor for advanced treatment. Prior to discharge the effluent receives chemical phosphorus treatment and Ultraviolet disinfection. The treated effluent would then be discharged into an adjacent Infiltration/Percolation (I/P) cell (Outfall 001).

The receiving water for the proposed discharge structure (Outfall 001) is shallow Class I ground water as defined in ARM 17.30.1006. The I/P cell associated with Outfall 001 is located:

• Section 8, Township 30 North, Range 19 West;

• 48° 22' 55" North Latitude and -114° 03' 28" West Longitude.

PUBLIC COMMENT

Public comments are invited ANYTIME PRIOR TO CLOSE OF BUSINESS **April 17, 2014**. 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 **April 17, 2014** 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.

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