



600 Shields Ave.
Butte, Montana 59701

March 10, 2020

Mr. Nikia Greene, Remedial Project Manager
US EPA Region VIII, Montana Office
Federal Building
10 West 15th Street, Suite 3200
Helena, Montana 59626

Mr. Daryl Reed, State Project Officer
Montana Department of Environmental Quality
State of Montana
Phoenix Building, P.O. Box 200901
Helena, Montana 59620-0901

Re: BMFOU Monthly Pilot Project Pumping Update

Dear Mr. Greene and Mr. Reed:

The construction of the Horseshoe Bend Capture System (HsB CS) and the Berkeley Pit Pumping System (BPPS) was complete in early May of 2019. However, the systems were not operated in their Pilot Project configuration, except for commissioning and short duration testing, until September 26, 2019.

In February 2020, 116.9 million gallons were pumped from the Berkeley Pit. This was an average of 4.0 million gallons per day (MGD). The Berkeley Pit water level was surveyed by Common Sense Surveying and Engineering on February 5, 2020 at 5356.29' and again on February 28, 2020 at 5356.36'. Also, approximately 6.1 million gallons of reverse osmosis (RO) reject water was sent to the Berkeley Pit (via the Belmont stormwater drain) from the Polishing Plant during commissioning and demonstration of the RO units in February.

In February 2020, 126.4 million gallons were treated by the HsB CS. This was an average of 4.4 MGD.

HsB area flows averaged approximately 4.2 MGD during February 2020. Since there is some Berkeley Pit water transferred to the HsB CS via pump overflows and seepage, the HsB area flows are estimated by adding the HsB CS flows to the HsB Water Treatment Plant (WTP) flows and then subtracting the BPPS flows.

There were no bypasses of the HsB CS or HsB WTP that returned water to the Berkeley Pit during February 2020.

Attached are the metered daily total flows for the HsB CS, HsB WTP and BPPS, and calculated HsB area flows. Please call me at (406) 496-3211 if there are any questions.

Sincerely,

A handwritten signature in blue ink that reads "Mark Thompson". The signature is written in a cursive style with a large, stylized "M" and "T".

Mark Thompson

Vice President of Environmental Affairs
Montana Resources, LLP

BMFOU Pilot Project Pumping Flows

Date	HsB Capture Daily (Gal.)	Berkeley Daily (Gal.)	HsB WTP Daily (Gal)	HsB Area Daily (Gal.)
2/1/2020	4,822,773	4,032,049	3,930,905	4,721,629
2/2/2020	4,872,028	4,031,844	3,946,856	4,787,041
2/3/2020	4,736,473	4,031,968	3,960,287	4,664,793
2/4/2020	4,621,578	4,018,532	3,888,106	4,491,152
2/5/2020	4,257,930	4,032,116	3,882,973	4,108,787
2/6/2020	4,172,363	4,032,034	3,911,329	4,051,658
2/7/2020	4,059,250	4,031,994	3,924,229	3,951,485
2/8/2020	4,117,684	4,031,899	3,924,233	4,010,018
2/9/2020	4,085,851	4,032,016	3,924,221	3,978,056
2/10/2020	4,166,780	4,031,988	3,924,273	4,059,064
2/11/2020	4,370,648	4,032,084	3,912,058	4,250,621
2/12/2020	4,411,636	4,031,923	3,888,193	4,267,906
2/13/2020	4,182,247	4,031,912	3,888,187	4,038,522
2/14/2020	4,116,462	4,032,037	3,898,032	3,982,458
2/15/2020	4,377,534	4,032,109	3,902,872	4,248,297
2/16/2020	4,384,599	4,031,848	3,902,694	4,255,444
2/17/2020	4,537,353	4,031,901	3,902,708	4,408,160
2/18/2020	4,389,249	4,031,964	3,887,038	4,244,324
2/19/2020	4,184,399	4,031,971	3,880,681	4,033,109
2/20/2020	4,258,257	4,032,005	3,880,717	4,106,968
2/21/2020	4,315,693	4,031,984	3,880,763	4,164,471
2/22/2020	4,367,044	4,032,007	3,884,214	4,219,252
2/23/2020	4,389,725	4,032,013	3,888,166	4,245,879
2/24/2020	4,338,678	4,031,962	3,886,324	4,193,040
2/25/2020	4,495,582	4,031,948	3,888,156	4,351,790
2/26/2020	4,586,061	4,031,947	3,885,448	4,439,561
2/27/2020	4,372,558	4,032,059	3,888,189	4,228,689
2/28/2020	4,259,789	4,032,018	3,888,174	4,115,946
2/29/2020	4,185,023	4,031,976	3,888,189	4,041,235
Total Gallons	126,435,241	116,914,106	113,138,214	122,659,350
Ave MGD	4.36	4.03	3.90	4.23