



January 17, 2020
Colorado Division of Reclamation, Mining and Safety
ATTN: Elliott Russell
1313 Sherman St. Suite 215
Denver, CO 80203

Re: M-1980-183 Quarterly Groundwater Monitoring Results Submission

Mr. Russell,

Attached is the quarterly groundwater level monitoring for Brannan Sand and Gravel Company's Pit 29 facility for 4th Quarter 2019.

The hydrologic balance is being kept in check by the French drain, as verified by the readings from MW-4. There have not been any offsite impacts associated with hydrologic balance issues observed since the French drain was installed.

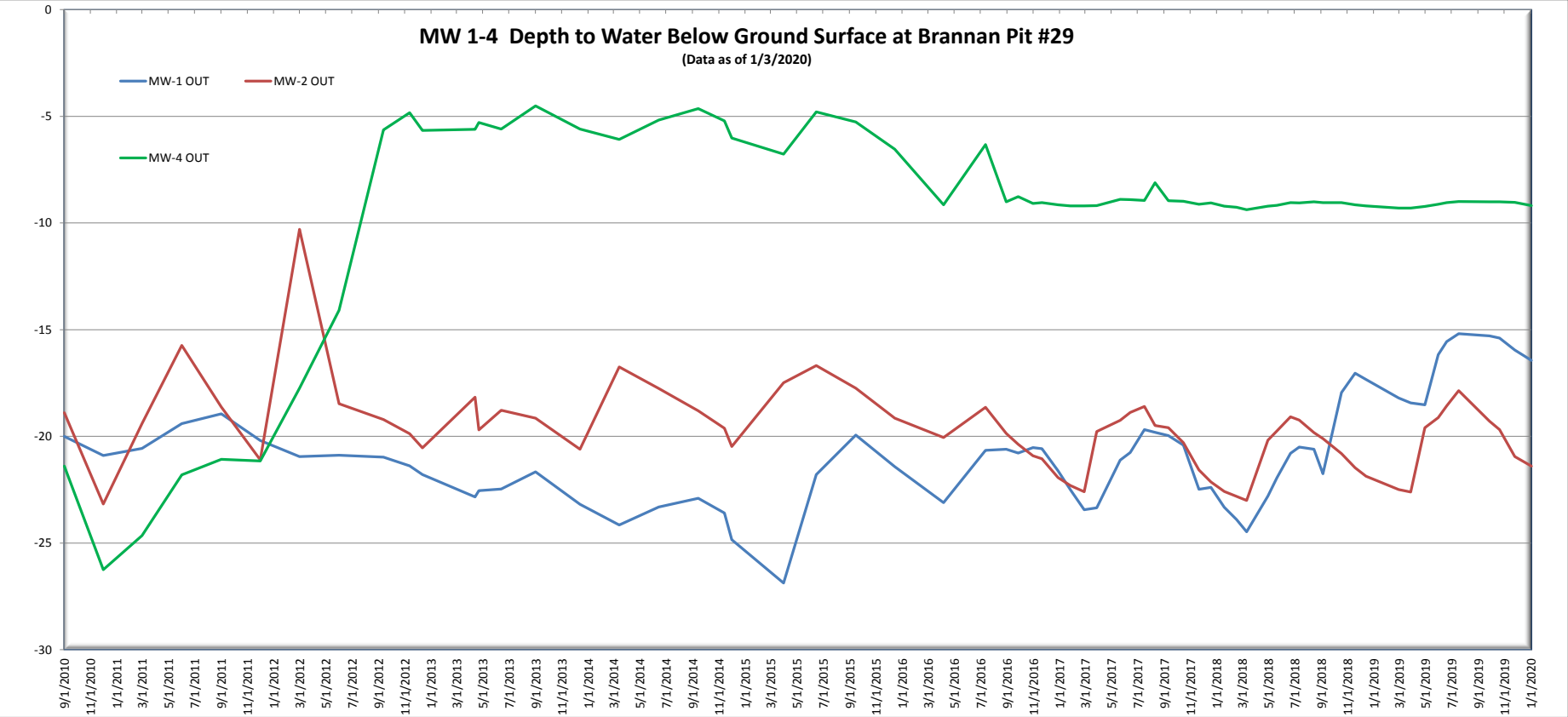
MW-1 was at 16.44 ft. bgs this quarter, which shows that the water level is dropping after being slightly elevated for the last few quarters. The groundwater level at MW-2 is within normal range and trending deeper below the surface.

Please let me know if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Josh Oliver", with a stylized flourish at the end.

Joshua Oliver
Environmental Manager
Brannan Sand and Gravel Company, L.L.C.
(303) 472-1736
joliver@brannan1.com



Brannan Pit #29				
Water Level Measurements				
Date	Depth to Water (ft)			
Month-Year	MW-1 OUT	MW-2 OUT	MW-3 OUT	MW-4 OUT
12/1/2005	21.50	22.50	11	N/A
1/1/2006	23.00	23.00	13	N/A
3/1/2006	22.00	20.00	11.5	N/A
5/1/2006	21.50	20.00	10.5	N/A
6/1/2010	20.50	17.70	N/A	N/A
9/1/2010	20.00	18.90	N/A	21.40
12/1/2010	20.90	23.17	N/A	26.25
3/1/2011	20.57	19.40	N/A	24.66
6/1/2011	19.40	15.74	N/A	21.80
9/1/2011	18.94	18.63	N/A	21.08
12/1/2011	20.20	21.10	N/A	21.15
3/1/2012	20.95	10.30	N/A	17.75
6/1/2012	20.89	18.47	N/A	14.09
9/12/2012	20.97	19.21	N/A	5.64
11/12/2012	-	-	N/A	4.84
12/12/2012	21.79	20.54	N/A	5.67
4/13/2013	22.84	18.16	N/A	5.61
4/22/2013	22.55	19.70	N/A	5.30
6/13/2013	22.48	18.78	N/A	5.60
9/1/2013	21.66	19.15	N/A	4.52
12/13/2013	23.19	20.60	N/A	5.60
3/14/2014	24.15	16.75	N/A	6.09
6/14/2014	23.32	17.76	N/A	5.18
9/14/2014	22.91	18.80	N/A	4.64
11/14/2014	23.60	19.62	N/A	5.22
12/1/2014	24.85	20.48	N/A	6.02
3/31/2015	26.87	17.50	N/A	6.78
6/15/2015	21.79	16.69	N/A	4.79
9/15/2015	19.94	17.75	N/A	5.27
12/15/2015	21.42	19.15	N/A	6.54
4/6/2016	23.11	20.06	N/A	9.15
7/13/2016	20.66	18.64	N/A	6.33
8/30/2016	20.61	19.86	N/A	9.01
9/27/2016	20.78	20.37	N/A	8.77
10/31/2016	20.53	20.91	N/A	9.09
11/21/2016	20.58	21.05	N/A	9.05
12/28/2016	21.61	21.93	N/A	9.15
1/26/2017	22.49	22.31	N/A	9.20
2/27/2017	23.44	22.60	N/A	9.20
3/28/2017	23.35	19.78	N/A	9.19
5/22/2017	21.12	19.25	N/A	8.90
6/14/2017	20.76	18.88	N/A	8.91

7/17/2017	19.68	18.60	N/A	8.94
8/11/2017	19.81	19.5	N/A	8.11
9/11/2017	19.97	19.60	N/A	8.96
10/16/2017	20.42	20.30	N/A	8.99
11/21/2017	22.48	21.58	N/A	9.12
12/19/2017	22.39	22.14	N/A	9.06
1/19/2018	23.32	22.58	N/A	9.22
2/16/2018	23.90	22.81	N/A	9.27
3/12/2018	24.48	23.00	N/A	9.38
4/30/2018	22.80	20.19	N/A	9.22
5/21/2018	21.95	19.75	N/A	9.18
6/22/2018	20.80	19.08	N/A	9.05
7/12/2018	20.50	19.24	N/A	9.06
8/15/2018	20.60	19.83	N/A	9.01
9/5/2018	21.75	20.11	NA	9.05
10/18/2018	17.95	20.81	NA	9.05
11/19/2018	17.04	21.48	NA	9.15
12/14/2018	17.34	21.87	NA	9.20
2/28/2019	18.21	22.49	NA	9.30
3/28/2019	18.44	22.61	NA	9.31
4/30/2019	18.52	19.60	NA	9.23
5/31/2019	16.18	19.12	NA	9.12
6/20/2019	15.56	18.57	NA	9.05
7/18/2019	15.19	17.86	NA	9.00
9/27/2019	15.29	19.29	NA	9.01
10/21/2019	15.40	19.69	NA	9.01
11/25/2019	15.96	20.95	NA	9.04
1/3/2020	16.44	21.40	NA	9.19

