

1687 Cole Boulevard Suite 300 Golden, CO 80401 Phone: 303-985-1070 Fax: 303-716-5295 www.aggregate-us.com

September 30, 2021

Mr. Eric Scott
Environmental Protection Specialist
Colorado Division of Reclamation Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203
eric.scott@state.co.us

RE: Aggregate Industries-WCR, Inc. Morrison Quarry (M1-973-021) Surface Water Investigation

Dear Mr. Scott,

This letter is in response to the June 22, 2021 Division of Reclamation Mining and Safety ("DRMS") Inspection Report for the Morrison Quarry (permit M-1973-021), regarding standing water observed in the east side of the south quarry. Since the inspection, Aggregate Industries, Inc. (Aggregate) conducted further investigations of the reasons for water accumulation in this area, as discussed below. Based on these investigations, Aggregate believes the water accumulation is due to precipitation and surface water runoff, not interference with groundwater.

On a monthly basis, Aggregate personnel obtain groundwater readings for five monitoring wells at the Morrison Quarry (see attached map in **Figure 1**). The attached Monthly Groundwater Monitoring Report provides a summary of the observed groundwater elevations. On July 1, 2021, Aggregate's licensed surveyor took readings of the bottom elevation of the east side of the south quarry and the surface elevations of water observed in the south quarry (**Figure 2**). The recorded groundwater elevations are below the elevation of the bottom of the south quarry, and well below the surface elevations of water observed in the south quarry. Further, during precipitation or snowmelt events, Aggregate has observed that surface water collects within this portion of the quarry. This accumulated water is pumped out within 72 hours and discharged to Outfall 003. Based on these observations and elevation data, it is Aggregate's position the water observed in the south quarry is in fact surface water.

Should you have any questions or require additional information, please do not hesitate to contact me at 970-396-5252 or by email at jeremy.Pritchett@lafargeholcim.com.

Best regards,

Jeremy Pritchett

Environment and Land Manager Aggregate Industries-WCR Inc.

			_		
				WELL	
	MONTHLY GROUNDWATE	ER MONITORING REPORT		Α	
Location	Morrison Quarry - Morrison, Colorado	Well ID	3636623B		
Casing Elev.	6435.663				
Ground Elev.	6432.966				
Design Depth	FT				

		Depth from TOC to	Elevation of GW		
Date	Time	Water (feet)	Measurement (feet)	Remarks	Read E
8/19/2020		33.5	6402.2		Andre
8/26/2020		33.6	6402.1		Andre
9/25/2020		35.2	6400.5		Andre
10/30/2020		37.0	6398.7		Andre
11/28/2020		31.4	6404.3		Andre
12/21/2020		28.3	6407.4		Andre
1/29/2021		28.7	6407.0		Andre
2/24/2021		28.8	6406.9		Andre
3/31/2021		29.2	6406.5		Andre
4/23/2021		29.3	6406.4		Andre
5/26/2021		29.9	6405.8		Andre
6/17/2021		30.9	6404.763		Andre
7/30/2021		33.3	6402.363		Andre
8/31/2021		35.5	6400.163		Andre
†					
+					
					
					

			WELL	
MONTI	HLY GROUNDWATE	R MONITORING REPORT	В	
Morrison Quar	rry - Morrison, Colorado	Well ID	3636623C	

 Location
 Morrison Quarry - Morrison, Colorado

 Casing Elev.
 6431.949

 Ground Elev.
 6428.934

 Design Depth
 FT

 Actual Depth
 FT

8/19/2020 29.7 6402.2 Andre L						
8/26/2020 30.2 6401.7 Andre L 9/25/2020 31.8 6400.1 Andre L 10/30/2020 32.9 6399.0 Andre L 11/28/2020 28.1 6403.8 Andre L 12/21/2020 24.9 6407.0 Andre L 1/29/2021 25.3 6406.6 Andre L 2/24/2021 25.5 6406.4 Andre L 3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	Date	Time	Depth from TOC to Water (feet)		Remarks	Read By
8/26/2020 30.2 6401.7 Andre L 9/25/2020 31.8 6400.1 Andre L 10/30/2020 32.9 6399.0 Andre L 11/28/2020 28.1 6403.8 Andre L 12/21/2020 24.9 6407.0 Andre L 1/29/2021 25.3 6406.6 Andre L 2/24/2021 25.5 6406.4 Andre L 3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	8/19/2020		29.7	6402.2		Andre L.
9/25/2020 31.8 6400.1 Andre L 10/30/2020 32.9 6399.0 Andre L 11/28/2020 28.1 6403.8 Andre L 12/21/2020 24.9 6407.0 Andre L 1/29/2021 25.3 6406.6 Andre L 2/24/2021 25.5 6406.4 Andre L 3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	8/26/2020					
10/30/2020 32.9 6399.0 Andre L 11/28/2020 28.1 6403.8 Andre L 12/21/2020 24.9 6407.0 Andre L 1/29/2021 25.3 6406.6 Andre L 2/24/2021 25.5 6406.4 Andre L 3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	9/25/2020		31.8			
12/21/2020 24.9 6407.0 Andre L 1/29/2021 25.3 6406.6 Andre L 2/24/2021 25.5 6406.4 Andre L 3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	10/30/2020			6399.0		
1/29/2021 25.3 6406.6 Andre L 2/24/2021 25.5 6406.4 Andre L 3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	11/28/2020		28.1	6403.8		Andre L.
1/29/2021 25.3 6406.6 Andre L 2/24/2021 25.5 6406.4 Andre L 3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	12/21/2020		24.9	6407.0		Andre L.
3/31/2021 25.8 6406.1 Andre L 4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	1/29/2021		25.3	6406.6		Andre L.
4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	2/24/2021		25.5	6406.4		Andre L.
4/23/2021 25.6 6406.3 Andre L 5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	3/31/2021		25.8	6406.1		Andre L.
5/26/2021 26.1 6405.8 Andre L 6/17/2021 27.3 6404.649 Andre L 7/30/2021 29.9 6402.049 Andre L	4/23/2021		25.6	6406.3		
7/30/2021 29.9 6402.049 Andre L	5/26/2021			6405.8		Andre L.
7/30/2021 29.9 64/02.049 Andre I 8/31/2021 32.2 6399.749 Andre I			27.3			Andre L.
8/31/2021 32.2 6399.749 Andre I	7/30/2021			6402.049		Andre L.
	8/31/2021		32.2	6399.749		Andre L.

			Well		
MONTHLY GROUNDWATER MONITORING RE			MW-2019-01		
Location	Morrison Quarry - Morrison, Colorado	Well ID			
Casing Elev.	6645.615	_			
Ground Elev.	6644.368				
Design Depth	FT	_			
Actual Depth	FT	_			

Actual Deptil		FI			
Date	Time	Depth from TOC to Water (feet)	Elevation of GW Measurement (feet)	Remarks	Read By
8/19/2020				Reading not recorded, water level meter tape not long enough.	Andre L.
8/26/2020		183.7	6461.9		Andre L.
9/25/2020		184.7	6460.9		Andre L.
10/30/2020		185.6	6460.0		Andre L.
11/28/2020		186.2	6459.4		Andre L.
12/21/2020		187.3	6458.3		Andre L.
1/29/2021		187.8	6457.8		Andre L.
2/24/2021		187.7	6457.9		Andre L.
3/31/2021		187.5	6458.1		Andre L.
4/23/2021		187.7	6457.9		Andre L.
5/26/2021		187.8	6457.8		Andre L.
6/17/2021		186.4	6459.215		Andre .L
7/30/2021		180.9	6464.715		Andre .L
8/31/2021		179.1	6466.515		Andre .L
			·		
			·		

			Well
	MONTHLY GROUNDWAT	ER MONITORING REPORT	MW-2019-02
Location	Morrison Quarry - Morrison, Colorado	Well ID	
Casing Elev.	6662.724		
Ground Elev.	6661.709	_	
Design Depth	FT		

Actual Depth

FT

Date	Time	Depth from TOC to Water (feet)	Elevation of GW Measurement (feet)	Remarks	Read By
8/19/2020		82.3	6580.4		Andre L
8/26/2020		82.2	6580.5		Andre L
9/25/2020		81.2	6581.5		Andre L
10/30/2020		82.0	6580.7		Andre L
11/28/2020		81.6	6581.1		Andre L
12/21/2020		80.9	6581.8		Andre L
1/29/2021		80.2	6582.5		Andre L
2/24/2021		80.3	6582.4		Andre L
3/31/2021		81.3	6581.4		Andre L
4/23/2021		81.6	6581.1		Andre L
5/26/2021		80.6	6582.1		Andre L
6/17/2021		79.7	6583.024		Andre L
7/30/2021		81.1	6581.624		Andre L
8/31/2021		81.9	6580.824		Andre L

			Well
	MONTHLY GROUNDWAT	ER MONITORING REPORT	MW-2019-03
Location	Morrison Quarry - Morrison, Colorado	Well ID	
Casing Elev.	6688.114	_	
Ground Elev.	6686.695		
Design Depth	FT	_	
Actual Depth	FT	_	

Actual Depth		FI			
Date	Time	Depth from TOC to Water (feet)	Elevation of GW Measurement (feet)	Remarks	Read By
8/19/2020				Reading not recorded, water level meter tape not long enough.	Andre L.
8/26/2020		192.1	6496.0		Andre L.
9/25/2020		192.8	6495.3		Andre L.
10/30/2020		193.2	6494.9		Andre L.
11/28/2020		193.5	6494.6		Andre L.
12/21/2020		193.7	6494.4		Andre L.
1/29/2021		194.2	6493.9		Andre L.
2/24/2021		194.5	6493.6		Andre L.
3/31/2021		193.9	6494.2		Andre L.
4/23/2021		193.1	6495.0		Andre L.
5/26/2021		188.0	6500.1		Andre L.
6/17/2021		187.3	6500.814		Andre L.
7/30/2021		190.7	6497.414		Andre L.
8/31/2021		191.6	6496.514		Andre L.
		1			1

