

CS # 0030602
A 500.00

MILL CREEK DOLOMITE, LLC

Via FedEx

March 29, 2024

RECEIVED

APR 01 2024

OKLAHOMA WATER
RESOURCES BOARD

Chris Neel, Division Chief
Water Rights Administration Division
Oklahoma Water Resources Board
3800 N. Classen Blvd.
Oklahoma City, OK 73118

Re: *2023 Annual Consumptive Use of Pit Water*
Mill Creek Dolomite, LLC – Mill Creek Quarry

Mr. Neel:

Please see attached the 2023 water report for Mill Creek Dolomite, LLC as required under Oklahoma Statute 82-1020.2(E)(1) and Oklahoma Administrative Code 785:30-15. We are also enclosing the \$500 check for administrative review of this annual report, per OAC 785:5-1-21.

Please contact me at (972) 392-8418 or wendellsmith@uslm.com with any further questions.

Sincerely,



Wendell Smith
U.S. Lime & Minerals, Inc.
Environmental Director

cc:

Christian Gragson – Mill Creek Dolomite, Plant Manager

003062

OKWAI Oklahoma Water Resources Board

3/19/2024

Invoice # Inv. Date Description

031324-ANNUALWATER	3/6/2024		\$500.00	\$500.00	\$0.00	\$500.00
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			\$500.00	\$500.00	\$0.00	\$500.00
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Insert \$ Check

Attachment A

Consumptive Use Report

CONSUMPTIVE USE REPORT

2023 Year End

MILL CREEK DOLOMITE, LLC

MILL CREEK MINE & MILL

TABLE 1: Estimated Consumptive Use of Pit Water

PIT GROUNDWATER VOLUME		VALUES (Gal)
1	Total volume of water pumped from the producing mine pits	149,257,800
2	Volume of precipitation that falls onto the surface of producing mine pits	67,835,516
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water	0
4	Other non-pit waters pumped from the producing mine pit	0
5	Add lines 2 through 4	67,835,516
6	Pit Ground Water Volume (Line 1 minus Line 5)	81,422,284
DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	1,381,269
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site (shipped)	0
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and lined ponds (Excluding structures used for augmentation)	2,308,765
10	Volume of pit water groundwater that is used for other beneficial uses off the mine site	1,440,000
11	Defined Elements of Consumptive Use of Pit Groundwater (Add Lines 7 through 10)	5,130,034
PIT GROUNDWATER BALANCE		
12	Line 6 minus Line 11	76,292,250
13	Groundwater Augmentation: Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	0
14	Stream Augmentation: Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pursuant to a Management Plan	73,404,900
15	Precipitation & Run-off Volume of precipitation and surface run-off into a recharge pit or holding pond used for augmentation	0
16	Recycled Pit Groundwater Volume of pit groundwater returned to a mine pit or holding basin (not included on lines 7 through 10)	0
17	Other Non-Consumptive Losses Including pit groundwater returned to the land surface from which runoff flows into a mine pit and other losses (not included in lines 7 through 10)	0
18	Add lines 13 through 17	73,404,900
19	Other Consumptive Use (adjusted) (Line 12 minus Line 18)	2,887,350
TOTAL REPORTED CONSUMPTIVE USE OF PIT WATER		
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	8,017,384

Attachment B

Pit Water Monitoring Data

**MILL CREEK DOLOMITE, LLC
PIT WATER MONITORING DATA 2023**

QUARRY SURFACE AREA DATA:

QUARRY A (sq ft) **2,163,342** QUARRY B (sq ft) **1,051,207** 2023 Median Stream Flow **4.48** cu ft/sec, per USGS
 PUMP A Actual GPM **1,200** PUMP B Actual GPM **650** (50% exceedance value) Gage 07331200 Mill Creek near Mill Creek, OK

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
12/31/22	12,088.6		8,390.0													
1/1/23	12,088.6	0.0	8,390.0	0.0	0	0	0	1.27	Yes	0	0.00	0	0	0	0	0
1/2/23	12,088.6	0.0	8,390.0	0.0	0	0	0	1.25	Yes	0	0.01	1,803	13,487	876	6,553	20,040
1/3/23	12,088.6	0.0	8,390.0	0.0	0	0	0	1.21	Yes	0	0.00	0	0	0	0	0
1/4/23	12,088.6	0.0	8,390.0	0.0	0	0	0	1.82	Yes	0	0.00	0	0	0	0	0
1/5/23	12,088.6	0.0	8,390.0	0.0	0	0	0	2.05	Yes	0	0.00	0	0	0	0	0
1/6/23	12,088.6	0.0	8,390.0	0.0	0	0	0	1.67	Yes	0	0.00	0	0	0	0	0
1/7/23	12,088.6	0.0	8,390.0	0.0	0	0	0	1.39	Yes	0	0.00	0	0	0	0	0
1/8/23	12,088.6	0.0	8,390.0	0.0	0	0	0	1.17	Yes	0	0.00	0	0	0	0	0
1/9/23	12,104.6	16.0	8,406.0	16.0	1,152,000	624,000	1,776,000	1.08	Yes	1,776,000	0.00	0	0	0	0	0
1/10/23	12,104.6	0.0	8,406.0	0.0	0	0	0	1.04	Yes	0	0.00	0	0	0	0	0
1/11/23	12,104.6	0.0	8,406.0	0.0	0	0	0	1.07	Yes	0	0.00	0	0	0	0	0
1/12/23	12,104.6	0.0	8,406.0	0.0	0	0	0	1.08	Yes	0	0.00	0	0	0	0	0
1/13/23	12,104.6	0.0	8,406.0	0.0	0	0	0	0.98	Yes	0	0.00	0	0	0	0	0
1/14/23	12,104.6	0.0	8,406.0	0.0	0	0	0	1.09	Yes	0	0.00	0	0	0	0	0
1/15/23	12,104.6	0.0	8,406.0	0.0	0	0	0	1.16	Yes	0	0.00	0	0	0	0	0
1/16/23	12,104.6	0.0	8,406.0	0.0	0	0	0	1.05	Yes	0	0.00	0	0	0	0	0
1/17/23	12,104.6	0.0	8,406.0	0.0	0	0	0	0.98	Yes	0	0.00	0	0	0	0	0
1/18/23	12,104.6	0.0	8,406.0	0.0	0	0	0	1.05	Yes	0	0.03	5,408	40,460	2,628	19,660	60,120
1/19/23	12,104.6	0.0	8,406.0	0.0	0	0	0	0.92	Yes	0	0.00	0	0	0	0	0
1/20/23	12,125.6	21.0	8,427.0	21.0	1,512,000	819,000	2,331,000	0.88	Yes	2,331,000	0.00	0	0	0	0	0
1/21/23	12,125.6	0.0	8,427.0	0.0	0	0	0	0.93	Yes	0	0.04	7,211	53,947	3,504	26,214	80,160
1/22/23	12,125.6	0.0	8,427.0	0.0	0	0	0	0.90	Yes	0	0.00	0	0	0	0	0
1/23/23	12,125.6	0.0	8,427.0	0.0	0	0	0	0.84	Yes	0	0.00	0	0	0	0	0
1/24/23	12,134.6	9.0	8,436.0	9.0	648,000	351,000	999,000	1.71	Yes	999,000	0.87	156,842	1,173,337	76,213	570,146	1,743,483
1/25/23	12,134.6	0.0	8,436.0	0.0	0	0	0	2.31	Yes	0	0.29	52,281	391,112	25,404	190,049	581,161
1/26/23	12,134.6	0.0	8,436.0	0.0	0	0	0	1.79	Yes	0	0.01	1,803	13,487	876	6,553	20,040
1/27/23	12,134.6	0.0	8,436.0	0.0	0	0	0	1.32	Yes	0	0.00	0	0	0	0	0
1/28/23	12,134.6	0.0	8,436.0	0.0	0	0	0	1.27	Yes	0	0.00	0	0	0	0	0
1/29/23	12,158.6	24.0	8,460.0	24.0	1,728,000	936,000	2,664,000	1.14	Yes	2,664,000	0.00	0	0	0	0	0
1/30/23	12,158.6	0.0	8,460.0	0.0	0	0	0	1.04	Yes	0	0.00	0	0	0	0	0
1/31/23	12,158.6	0.0	8,460.0	0.0	0	0	0	1.04	Yes	0	0.00	0	0	0	0	0
2/1/23	12,158.6	0.0	8,460.0	0.0	0	0	0	1.03	Yes	0	0.00	0	0	0	0	0
2/2/23	12,158.6	0.0	8,460.0	0.0	0	0	0	1.03	Yes	0	0.01	1,803	13,487	876	6,553	20,040
2/3/23	12,158.6	0.0	8,460.0	0.0	0	0	0	1.05	Yes	0	0.19	34,253	256,246	16,644	124,515	380,761
2/4/23	12,158.6	0.0	8,460.0	0.0	0	0	0	0.99	Yes	0	0.08	14,422	107,893	7,008	52,427	160,320
2/5/23	12,158.6	0.0	8,460.0	0.0	0	0	0	1.00	Yes	0	0.00	0	0	0	0	0
2/6/23	12,158.6	0.0	8,460.0	0.0	0	0	0	0.98	Yes	0	0.01	1,803	13,487	876	6,553	20,040
2/7/23	12,158.6	0.0	8,460.0	0.0	0	0	0	1.05	Yes	0	0.23	41,464	310,193	20,148	150,728	460,921
2/8/23	12,158.6	0.0	8,460.0	0.0	0	0	0	13.50	NO	0	0.83	149,631	1,119,391	72,708	543,932	1,663,323
2/9/23	12,158.6	0.0	8,460.0	0.0	0	0	0	9.17	NO	0	0.01	1,803	13,487	876	6,553	20,040
2/10/23	12,158.6	0.0	8,460.0	0.0	0	0	0	4.29	Yes	0	0.00	0	0	0	0	0
2/11/23	12,158.6	0.0	8,460.0	0.0	0	0	0	3.20	Yes	0	0.00	0	0	0	0	0
2/12/23	12,158.6	0.0	8,460.0	0.0	0	0	0	2.51	Yes	0	0.00	0	0	0	0	0
2/13/23	12,158.6	0.0	8,460.0	0.0	0	0	0	2.27	Yes	0	0.00	0	0	0	0	0

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
2/14/23	12,166.6	8.0	8,468.0	8.0	576,000	312,000	888,000	8.16	NO	0	0.58	104,562	782,225	50,808	380,097	1,162,322
2/15/23	12,190.6	24.0	8,492.0	24.0	1,728,000	936,000	2,664,000	3.44	Yes	2,664,000	0.00	0	0	0	0	0
2/16/23	12,190.6	0.0	8,492.0	0.0	0	0	0	9.49	NO	0	0.00	0	0	0	0	0
2/17/23	12,190.6	0.0	8,492.0	0.0	0	0	0	3.99	Yes	0	0.00	0	0	0	0	0
2/18/23	12,190.6	0.0	8,492.0	0.0	0	0	0	3.75	Yes	0	0.00	0	0	0	0	0
2/19/23	12,190.6	0.0	8,492.0	0.0	0	0	0	3.65	Yes	0	0.00	0	0	0	0	0
2/20/23	12,190.6	0.0	8,492.0	0.0	0	0	0	3.58	Yes	0	0.00	0	0	0	0	0
2/21/23	12,190.6	0.0	8,492.0	0.0	0	0	0	3.33	Yes	0	0.00	0	0	0	0	0
2/22/23	12,190.6	0.0	8,492.0	0.0	0	0	0	36.60	NO	0	0.81	146,026	1,092,417	70,956	530,825	1,623,243
2/23/23	12,190.6	0.0	8,492.0	0.0	0	0	0	19.40	NO	0	0.00	0	0	0	0	0
2/24/23	12,190.6	0.0	8,492.0	0.0	0	0	0	7.66	NO	0	0.00	0	0	0	0	0
2/25/23	12,190.6	0.0	8,492.0	0.0	0	0	0	6.14	NO	0	0.00	0	0	0	0	0
2/26/23	12,190.6	0.0	8,492.0	0.0	0	0	0	7.03	NO	0	0.23	41,464	310,193	20,148	150,728	460,921
2/27/23	12,214.6	24.0	8,516.0	24.0	1,728,000	936,000	2,664,000	10.30	NO	0	0.00	0	0	0	0	0
2/28/23	12,214.6	0.0	8,516.0	0.0	0	0	0	8.67	NO	0	0.00	0	0	0	0	0
3/1/23	12,214.6	0.0	8,516.0	0.0	0	0	0	7.16	NO	0	0.00	0	0	0	0	0
3/2/23	12,214.6	0.0	8,516.0	0.0	0	0	0	7.05	NO	0	0.97	174,870	1,308,204	84,973	635,680	1,943,883
3/3/23	12,215.6	1.0	8,517.0	1.0	72,000	39,000	111,000	17.70	NO	0	0.29	52,281	391,112	25,404	190,049	581,161
3/4/23	12,239.6	24.0	8,541.0	24.0	1,728,000	936,000	2,664,000	13.60	NO	0	0.00	0	0	0	0	0
3/5/23	12,263.6	24.0	8,565.0	24.0	1,728,000	936,000	2,664,000	10.30	NO	0	0.00	0	0	0	0	0
3/6/23	12,287.6	24.0	8,589.0	24.0	1,728,000	936,000	2,664,000	7.73	NO	0	0.00	0	0	0	0	0
3/7/23	12,287.6	0.0	8,589.0	0.0	0	0	0	6.79	NO	0	0.00	0	0	0	0	0
3/8/23	12,298.6	11.0	8,600.0	11.0	792,000	429,000	1,221,000	22.00	NO	0	0.73	131,603	984,524	63,948	478,398	1,462,922
3/9/23	12,305.6	7.0	8,607.0	7.0	504,000	273,000	777,000	42.10	NO	0	0.56	100,956	755,252	49,056	366,990	1,122,242
3/10/23	12,305.6	0.0	8,607.0	0.0	0	0	0	32.20	NO	0	0.00	0	0	0	0	0
3/11/23	12,305.6	0.0	8,607.0	0.0	0	0	0	19.40	NO	0	0.01	1,803	13,487	876	6,553	20,040
3/12/23	12,305.6	0.0	8,607.0	0.0	0	0	0	13.90	NO	0	0.00	0	0	0	0	0
3/13/23	12,305.6	0.0	8,607.0	0.0	0	0	0	11.30	NO	0	0.00	0	0	0	0	0
3/14/23	12,305.6	0.0	8,607.0	0.0	0	0	0	10.50	NO	0	0.00	0	0	0	0	0
3/15/23	12,317.6	12.0	8,619.0	12.0	864,000	468,000	1,332,000	10.10	NO	0	0.00	0	0	0	0	0
3/16/23	12,325.6	8.0	8,627.0	8.0	576,000	312,000	888,000	15.10	NO	0	0.69	124,392	930,578	60,444	452,185	1,382,762
3/17/23	12,325.6	0.0	8,627.0	0.0	0	0	0	16.90	NO	0	0.00	0	0	0	0	0
3/18/23	12,325.6	0.0	8,627.0	0.0	0	0	0	11.70	NO	0	0.00	0	0	0	0	0
3/19/23	12,325.6	0.0	8,627.0	0.0	0	0	0	9.97	NO	0	0.00	0	0	0	0	0
3/20/23	12,334.6	9.0	8,636.0	9.0	648,000	351,000	999,000	9.45	NO	0	0.00	0	0	0	0	0
3/21/23	12,334.6	0.0	8,636.0	0.0	0	0	0	9.10	NO	0	0.03	5,408	40,460	2,628	19,660	60,120
3/22/23	12,334.6	0.0	8,636.0	0.0	0	0	0	9.68	NO	0	0.00	0	0	0	0	0
3/23/23	12,344.6	10.0	8,646.0	10.0	720,000	390,000	1,110,000	9.45	NO	0	0.00	0	0	0	0	0
3/24/23	12,344.6	0.0	8,646.0	0.0	0	0	0	366.0	NO	0	2.04	367,768	2,751,273	178,705	1,336,894	4,088,167
3/25/23	12,344.6	0.0	8,646.0	0.0	0	0	0	98.60	NO	0	0.00	0	0	0	0	0
3/26/23	12,344.6	0.0	8,646.0	0.0	0	0	0	50.10	NO	0	0.00	0	0	0	0	0
3/27/23	12,344.6	0.0	8,646.0	0.0	0	0	0	28.60	NO	0	0.00	0	0	0	0	0
3/28/23	12,353.6	9.0	8,655.0	9.0	648,000	351,000	999,000	20.50	NO	0	0.00	0	0	0	0	0
3/29/23	12,362.6	9.0	8,664.0	9.0	648,000	351,000	999,000	16.70	NO	0	0.00	0	0	0	0	0
3/30/23	12,362.6	0.0	8,664.0	0.0	0	0	0	16.80	NO	0	0.24	43,267	323,679	21,024	157,282	480,961
3/31/23	12,371.6	9.0	8,673.0	9.0	648,000	351,000	999,000	17.40	NO	0	0.00	0	0	0	0	0
1st QUARTER TOTALS		283.0		283.0	20,376,000	11,037,000	31,413,000	-	-	10,434,000	9.79	1,764,927	13,203,415	857,610	6,415,778	19,619,194
4/1/23	12,371.6	0.0	8,673.0	0.0	0	0	0	13.70	NO	0	0.00	0	0	0	0	0
4/2/23	12,371.6	0.0	8,673.0	0.0	0	0	0	14.00	NO	0	0.43	77,520	579,925	37,668	281,796	861,721
4/3/23	12,379.6	8.0	8,681.0	8.0	576,000	312,000	888,000	20.30	NO	0	0.00	0	0	0	0	0
4/4/23	12,379.6	0.0	8,681.0	0.0	0	0	0	16.20	NO	0	0.00	0	0	0	0	0

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
4/5/23	12,379.6	0.0	8,681.0	0.0	0	0	0	13.10	NO	0	0.00	0	0	0	0	
4/6/23	12,379.6	0.0	8,681.0	0.0	0	0	0	11.20	NO	0	0.00	0	0	0	0	
4/7/23	12,389.6	10.0	8,691.0	10.0	720,000	390,000	1,110,000	10.30	NO	0	0.00	0	0	0	0	
4/8/23	12,389.6	0.0	8,691.0	0.0	0	0	0	9.50	NO	0	0.00	0	0	0	0	
4/9/23	12,389.6	0.0	8,691.0	0.0	0	0	0	8.55	NO	0	0.00	0	0	0	0	
4/10/23	12,389.6	0.0	8,691.0	0.0	0	0	0	7.73	NO	0	0.00	0	0	0	0	
4/11/23	12,398.6	9.0	8,700.0	9.0	648,000	351,000	999,000	7.30	NO	0	0.00	0	0	0	0	
4/12/23	12,398.6	0.0	8,700.0	0.0	0	0	0	7.02	NO	0	0.00	0	0	0	0	
4/13/23	12,398.6	0.0	8,700.0	0.0	0	0	0	6.70	NO	0	0.00	0	0	0	0	
4/14/23	12,398.6	0.0	8,700.0	0.0	0	0	0	6.48	NO	0	0.00	0	0	0	0	
4/15/23	12,398.6	0.0	8,700.0	0.0	0	0	0	6.25	NO	0	0.00	0	0	0	0	
4/16/23	12,398.6	0.0	8,700.0	0.0	0	0	0	5.70	NO	0	0.00	0	0	0	0	
4/17/23	12,409.6	11.0	8,711.0	11.0	792,000	429,000	1,221,000	5.58	NO	0	0.00	0	0	0	0	
4/18/23	12,409.6	0.0	8,711.0	0.0	0	0	0	5.54	NO	0	0.00	0	0	0	0	
4/19/23	12,417.6	8.0	8,719.0	8.0	576,000	312,000	888,000	5.46	NO	0	0.00	0	0	0	0	
4/20/23	12,425.6	8.0	8,727.0	8.0	576,000	312,000	888,000	7.10	NO	0	0.00	0	0	0	0	
4/21/23	12,425.6	0.0	8,727.0	0.0	0	0	0	5.34	NO	0	0.00	0	0	0	0	
4/22/23	12,425.6	0.0	8,727.0	0.0	0	0	0	4.65	NO	0	0.07	12,619	94,406	6,132	45,874	140,280
4/23/23	12,425.6	0.0	8,727.0	0.0	0	0	0	4.73	NO	0	0.04	7,211	53,947	3,504	26,214	80,160
4/24/23	12,430.6	5.0	8,732.0	5.0	360,000	195,000	555,000	4.64	NO	0	0.00	0	0	0	0	
4/25/23	12,430.6	0.0	8,732.0	0.0	0	0	0	4.64	NO	0	0.03	5,408	40,460	2,628	19,660	60,120
4/26/23	12,440.6	10.0	8,742.0	10.0	720,000	390,000	1,110,000	8.30	NO	0	0.72	129,801	971,038	63,072	471,845	1,442,882
4/27/23	12,440.6	0.0	8,742.0	0.0	0	0	0	6.77	NO	0	0.05	9,014	67,433	4,380	32,767	100,200
4/28/23	12,449.6	9.0	8,751.0	9.0	648,000	351,000	999,000	9.67	NO	0	0.01	1,803	13,487	876	6,553	20,040
4/29/23	12,449.6	0.0	8,751.0	0.0	0	0	0	9.87	NO	0	0.00	0	0	0	0	
4/30/23	12,449.6	0.0	8,751.0	0.0	0	0	0	8.30	NO	0	0.00	0	0	0	0	
5/1/23	12,449.6	0.0	8,751.0	0.0	0	0	0	7.51	NO	0	0.00	0	0	0	0	
5/2/23	12,457.6	8.0	8,759.0	8.0	576,000	312,000	888,000	6.76	NO	0	0.00	0	0	0	0	
5/3/23	12,457.6	0.0	8,759.0	0.0	0	0	0	6.31	NO	0	0.09	16,225	121,380	7,884	58,981	180,360
5/4/23	12,457.6	0.0	8,759.0	0.0	0	0	0	5.78	NO	0	0.12	21,633	161,840	10,512	78,641	240,480
5/5/23	12,466.6	9.0	8,768.0	9.0	648,000	351,000	999,000	4.94	NO	0	0.00	0	0	0	0	
5/6/23	12,466.6	0.0	8,768.0	0.0	0	0	0	4.45	Yes	0	0.17	30,647	229,273	14,892	111,408	340,681
5/7/23	12,466.6	0.0	8,768.0	0.0	0	0	0	4.66	NO	0	0.00	0	0	0	0	
5/8/23	12,476.6	10.0	8,778.0	10.0	720,000	390,000	1,110,000	4.38	Yes	1,110,000	0.00	0	0	0	0	
5/9/23	12,476.6	0.0	8,778.0	0.0	0	0	0	3.93	Yes	0	0.00	0	0	0	0	
5/10/23	12,476.6	0.0	8,778.0	0.0	0	0	0	3.67	Yes	0	0.02	3,606	26,973	1,752	13,107	40,080
5/11/23	12,476.6	0.0	8,778.0	0.0	0	0	0	4.49	NO	0	0.02	3,606	26,973	1,752	13,107	40,080
5/12/23	12,482.6	6.0	8,784.0	6.0	432,000	234,000	666,000	4.16	Yes	666,000	0.00	0	0	0	0	
5/13/23	12,482.6	0.0	8,784.0	0.0	0	0	0	3.96	Yes	0	0.23	41,464	310,193	20,148	150,728	460,921
5/14/23	12,482.6	0.0	8,784.0	0.0	0	0	0	3.76	Yes	0	0.09	16,225	121,380	7,884	58,981	180,360
5/15/23	12,482.6	0.0	8,784.0	0.0	0	0	0	4.27	Yes	0	0.18	32,450	242,759	15,768	117,961	360,721
5/16/23	12,482.6	0.0	8,784.0	0.0	0	0	0	3.54	Yes	0	0.00	0	0	0	0	
5/17/23	12,482.6	0.0	8,784.0	0.0	0	0	0	3.15	Yes	0	0.00	0	0	0	0	
5/18/23	12,490.6	8.0	8,792.0	8.0	576,000	312,000	888,000	3.35	Yes	888,000	0.05	9,014	67,433	4,380	32,767	100,200
5/19/23	12,499.6	9.0	8,801.0	9.0	648,000	351,000	999,000	4.61	NO	0	0.09	16,225	121,380	7,884	58,981	180,360
5/20/23	12,499.6	0.0	8,801.0	0.0	0	0	0	3.85	Yes	0	0.00	0	0	0	0	
5/21/23	12,499.6	0.0	8,801.0	0.0	0	0	0	3.26	Yes	0	0.00	0	0	0	0	
5/22/23	12,499.6	0.0	8,801.0	0.0	0	0	0	3.38	Yes	0	0.00	0	0	0	0	
5/23/23	12,508.6	9.0	8,810.0	9.0	648,000	351,000	999,000	3.13	Yes	999,000	0.00	0	0	0	0	
5/24/23	12,508.6	0.0	8,810.0	0.0	0	0	0	2.84	Yes	0	0.00	0	0	0	0	
5/25/23	12,508.6	0.0	8,810.0	0.0	0	0	0	4.38	Yes	0	0.01	1,803	13,487	876	6,553	20,040

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
5/26/23	12,508.6	0.0	8,810.0	0.0	0	0	0	3.59	Yes	0	0.00	0	0	0	0	
5/27/23	12,508.6	0.0	8,810.0	0.0	0	0	0	3.15	Yes	0	0.00	0	0	0	0	
5/28/23	12,508.6	0.0	8,810.0	0.0	0	0	0	3.20	Yes	0	0.23	41,464	310,193	20,148	150,728	460,921
5/29/23	12,508.6	0.0	8,810.0	0.0	0	0	0	3.55	Yes	0	0.07	12,619	94,406	6,132	45,874	140,280
5/30/23	12,508.6	0.0	8,810.0	0.0	0	0	0	3.45	Yes	0	0.00	0	0	0	0	0
5/31/23	12,508.6	0.0	8,810.0	0.0	0	0	0	2.94	Yes	0	0.00	0	0	0	0	0
6/1/23	12,508.6	0.0	8,810.0	0.0	0	0	0	2.71	Yes	0	0.00	0	0	0	0	0
6/2/23	12,525.6	17.0	8,827.0	17.0	1,224,000	663,000	1,887,000	2.54	Yes	1,887,000	0.00	0	0	0	0	0
6/3/23	12,525.6	0.0	8,827.0	0.0	0	0	0	6.99	NO	0	0.74	133,406	998,011	64,824	484,952	1,482,963
6/4/23	12,525.6	0.0	8,827.0	0.0	0	0	0	5.67	NO	0	0.00	0	0	0	0	0
6/5/23	12,525.6	0.0	8,827.0	0.0	0	0	0	4.27	Yes	0	0.08	14,422	107,893	7,008	52,427	160,320
6/6/23	12,541.6	16.0	8,843.0	16.0	1,152,000	624,000	1,776,000	3.93	Yes	1,776,000	0.00	0	0	0	0	0
6/7/23	12,541.6	0.0	8,843.0	0.0	0	0	0	3.07	Yes	0	0.00	0	0	0	0	0
6/8/23	12,541.6	0.0	8,843.0	0.0	0	0	0	2.65	Yes	0	0.10	18,028	134,866	8,760	65,534	200,400
6/9/23	12,541.6	0.0	8,843.0	0.0	0	0	0	2.58	Yes	0	0.01	1,803	13,487	876	6,553	20,040
6/10/23	12,541.6	0.0	8,843.0	0.0	0	0	0	2.81	Yes	0	0.00	0	0	0	0	0
6/11/23	12,541.6	0.0	8,843.0	0.0	0	0	0	2.99	Yes	0	0.00	0	0	0	0	0
6/12/23	12,558.4	16.8	8,859.8	16.8	1,209,600	655,200	1,864,800	6.14	NO	0	1.32	237,968	1,780,236	115,633	865,049	2,645,285
6/13/23	12,565.4	7.0	8,866.8	7.0	504,000	273,000	777,000	5.17	NO	0	0.36	64,900	485,519	31,536	235,922	721,441
6/14/23	12,565.4	0.0	8,866.8	0.0	0	0	0	3.53	Yes	0	0.00	0	0	0	0	0
6/15/23	12,565.4	0.0	8,866.8	0.0	0	0	0	3.01	Yes	0	0.12	21,633	161,840	10,512	78,641	240,480
6/16/23	12,571.4	6.0	8,876.4	9.6	432,000	374,400	806,400	3.18	Yes	806,400	0.00	0	0	0	0	0
6/17/23	12,571.4	0.0	8,876.4	0.0	0	0	0	2.80	Yes	0	0.76	137,012	1,024,984	66,576	498,058	1,523,043
6/18/23	12,571.4	0.0	8,876.4	0.0	0	0	0	8.21	NO	0	0.03	5,408	40,460	2,628	19,660	60,120
6/19/23	12,571.4	0.0	8,885.3	8.9	0	347,100	347,100	3.71	Yes	347,100	0.00	0	0	0	0	0
6/20/23	12,583.1	11.7	8,894.0	8.7	842,400	339,300	1,181,700	3.01	Yes	1,181,700	0.00	0	0	0	0	0
6/21/23	12,595.9	12.8	8,902.8	8.8	921,600	343,200	1,264,800	2.45	Yes	1,264,800	0.00	0	0	0	0	0
6/22/23	12,598.1	2.2	8,902.8	0.0	158,400	0	158,400	2.08	Yes	158,400	0.00	0	0	0	0	0
6/23/23	12,602.9	4.8	8,910.0	7.2	345,600	280,800	626,400	2.20	Yes	626,400	0.13	23,436	175,326	11,388	85,194	260,520
6/24/23	12,602.9	0.0	8,910.0	0.0	0	0	0	2.47	Yes	0	0.00	0	0	0	0	0
6/25/23	12,602.9	0.0	8,910.0	0.0	0	0	0	2.35	Yes	0	0.00	0	0	0	0	0
6/26/23	12,610.6	7.7	8,918.0	8.0	554,400	312,000	866,400	2.41	Yes	866,400	0.00	0	0	0	0	0
6/27/23	12,614.1	3.5	8,918.0	0.0	252,000	0	252,000	2.08	Yes	252,000	0.00	0	0	0	0	0
6/28/23	12,614.1	0.0	8,926.9	8.9	0	347,100	347,100	2.03	Yes	347,100	0.00	0	0	0	0	0
6/29/23	12,614.1	0.0	8,926.9	0.0	0	0	0	1.82	Yes	0	0.00	0	0	0	0	0
6/30/23	12,614.1	0.0	8,926.9	0.0	0	0	0	1.68	Yes	0	0.00	0	0	0	0	0
2nd QUARTER TOTALS		242.5		253.9	17,460,000	9,902,100	27,362,100	-	-	13,176,300	6.37	1,148,374	8,590,986	558,016	4,174,516	12,765,502
7/1/23	12,614.1	0.0	8,926.9	0.0	0	0	0	1.67	Yes	0	0.00	0	0	0	0	0
7/2/23	12,614.1	0.0	8,926.9	0.0	0	0	0	1.79	Yes	0	0.00	0	0	0	0	0
7/3/23	12,630.0	15.9	8,934.6	7.7	1,144,800	300,300	1,445,100	2.07	Yes	1,445,100	0.29	52,281	391,112	25,404	190,049	581,161
7/4/23	12,632.4	2.4	8,934.6	0.0	172,800	0	172,800	3.26	Yes	172,800	0.00	0	0	0	0	0
7/5/23	12,656.4	24.0	8,934.6	0.0	1,728,000	0	1,728,000	2.62	Yes	1,728,000	0.00	0	0	0	0	0
7/6/23	12,659.9	3.5	8,942.6	8.0	252,000	312,000	564,000	1.99	Yes	564,000	0.11	19,831	148,353	9,636	72,087	220,440
7/7/23	12,662.4	2.5	8,951.4	8.8	180,000	343,200	523,200	2.14	Yes	523,200	0.24	43,267	323,679	21,024	157,282	480,961
7/8/23	12,664.0	1.6	8,951.4	0.0	115,200	0	115,200	2.32	Yes	115,200	0.03	5,408	40,460	2,628	19,660	60,120
7/9/23	12,688.0	24.0	8,951.4	0.0	1,728,000	0	1,728,000	2.61	Yes	1,728,000	0.42	75,717	566,439	36,792	275,243	841,681
7/10/23	12,712.0	24.0	8,960.0	8.6	1,728,000	335,400	2,063,400	1.98	Yes	2,063,400	0.00	0	0	0	0	0
7/11/23	12,722.2	10.2	8,968.7	8.7	734,400	339,300	1,073,700	332.00	NO	0	2.44	439,880	3,290,739	213,745	1,599,030	4,889,768
7/12/23	12,746.2	24.0	8,978.0	9.3	1,728,000	362,700	2,090,700	39.60	NO	0	0.00	0	0	0	0	0
7/13/23	12,752.1	5.9	8,986.3	8.3	424,800	323,700	748,500	24.10	NO	0	0.04	7,211	53,947	3,504	26,214	80,160
7/14/23	12,776.1	24.0	8,986.3	0.0	1,728,000	0	1,728,000	20.60	NO	0	0.01	1,803	13,487	876	6,553	20,040

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
7/15/23	12,776.1	0.0	8,986.3	0.0	0	0	0	19.00	NO	0	0.18	32,450	242,759	15,768	117,961	360,721
7/16/23	12,776.1	0.0	8,986.3	0.0	0	0	0	12.20	NO	0	0.68	122,589	917,091	59,568	445,631	1,362,722
7/17/23	12,796.4	20.3	8,999.0	12.7	1,461,600	495,300	1,956,900	7.25	NO	0	0.00	0	0	0	0	0
7/18/23	12,818.8	22.4	9,005.8	6.8	1,612,800	265,200	1,878,000	5.51	NO	0	0.00	0	0	0	0	0
7/19/23	12,825.0	6.2	9,012.9	7.1	446,400	276,900	723,300	5.80	NO	0	0.00	0	0	0	0	0
7/20/23	12,829.9	4.9	9,021.9	9.0	352,800	351,000	703,800	7.41	NO	0	0.00	0	0	0	0	0
7/21/23	12,834.2	4.3	9,021.9	0.0	309,600	0	309,600	8.12	NO	0	0.00	0	0	0	0	0
7/22/23	12,834.2	0.0	9,021.9	0.0	0	0	0	8.15	NO	0	0.00	0	0	0	0	0
7/23/23	12,834.2	0.0	9,021.9	0.0	0	0	0	6.00	NO	0	0.00	0	0	0	0	0
7/24/23	12,845.8	11.6	9,030.9	9.0	835,200	351,000	1,186,200	4.64	NO	0	0.00	0	0	0	0	0
7/25/23	12,849.6	3.8	9,039.9	9.0	273,600	351,000	624,600	3.90	Yes	624,600	0.00	0	0	0	0	0
7/26/23	12,852.6	3.0	9,039.9	0.0	216,000	0	216,000	3.34	Yes	216,000	0.00	0	0	0	0	0
7/27/23	12,855.8	3.2	9,039.9	0.0	230,400	0	230,400	2.59	Yes	230,400	0.00	0	0	0	0	0
7/28/23	12,860.6	4.8	9,039.9	0.0	345,600	0	345,600	2.23	Yes	345,600	0.00	0	0	0	0	0
7/29/23	12,860.6	0.0	9,039.9	0.0	0	0	0	2.31	Yes	0	0.00	0	0	0	0	0
7/30/23	12,860.6	0.0	9,039.9	0.0	0	0	0	2.34	Yes	0	0.00	0	0	0	0	0
7/31/23	12,870.4	9.8	9,039.9	0.0	705,600	0	705,600	2.34	Yes	705,600	0.00	0	0	0	0	0
8/1/23	12,872.6	2.2	9,042.8	2.9	158,400	113,100	271,500	1.86	Yes	271,500	0.00	0	0	0	0	0
8/2/23	12,876.8	4.2	9,050.5	7.7	302,400	300,300	602,700	1.39	Yes	602,700	0.00	0	0	0	0	0
8/3/23	12,882.6	5.8	9,058.8	8.3	417,600	323,700	741,300	0.96	Yes	741,300	0.00	0	0	0	0	0
8/4/23	12,885.4	2.8	9,066.8	8.0	201,600	312,000	513,600	0.82	Yes	513,600	0.00	0	0	0	0	0
8/5/23	12,885.4	0.0	9,066.8	0.0	0	0	0	0.71	Yes	0	0.00	0	0	0	0	0
8/6/23	12,885.4	0.0	9,066.8	0.0	0	0	0	0.68	Yes	0	0.00	0	0	0	0	0
8/7/23	12,893.1	7.7	9,075.8	9.0	554,400	351,000	905,400	0.70	Yes	905,400	0.00	0	0	0	0	0
8/8/23	12,896.0	2.9	9,084.6	8.8	208,800	343,200	552,000	0.70	Yes	552,000	0.00	0	0	0	0	0
8/9/23	12,899.1	3.1	9,093.5	8.9	223,200	347,100	570,300	0.79	Yes	570,300	0.04	7,211	53,947	3,504	26,214	80,160
8/10/23	12,901.9	2.8	9,101.9	8.4	201,600	327,600	529,200	0.79	Yes	529,200	0.00	0	0	0	0	0
8/11/23	12,905.1	3.2	9,110.3	8.4	230,400	327,600	558,000	0.65	Yes	558,000	0.00	0	0	0	0	0
8/12/23	12,905.1	0.0	9,110.3	0.0	0	0	0	0.65	Yes	0	0.00	0	0	0	0	0
8/13/23	12,905.1	0.0	9,110.3	0.0	0	0	0	0.59	Yes	0	0.00	0	0	0	0	0
8/14/23	12,914.4	9.3	9,118.7	8.4	669,600	327,600	997,200	0.59	Yes	997,200	0.00	0	0	0	0	0
8/15/23	12,916.8	2.4	9,127.1	8.4	172,800	327,600	500,400	0.67	Yes	500,400	0.00	0	0	0	0	0
8/16/23	12,922.4	5.6	9,135.8	8.7	403,200	339,300	742,500	0.50	Yes	742,500	0.00	0	0	0	0	0
8/17/23	12,924.9	2.5	9,146.7	10.9	180,000	425,100	605,100	0.47	Yes	605,100	0.00	0	0	0	0	0
8/18/23	12,924.9	0.0	9,156.2	9.5	0	370,500	370,500	0.45	Yes	370,500	0.00	0	0	0	0	0
8/19/23	12,924.9	0.0	9,156.2	0.0	0	0	0	0.42	Yes	0	0.00	0	0	0	0	0
8/20/23	12,924.9	0.0	9,156.2	0.0	0	0	0	0.40	Yes	0	0.00	0	0	0	0	0
8/21/23	12,940.0	15.1	9,165.2	9.0	1,087,200	351,000	1,438,200	0.34	Yes	1,438,200	0.00	0	0	0	0	0
8/22/23	12,949.6	9.6	9,173.0	7.8	691,200	304,200	995,400	0.34	Yes	995,400	0.00	0	0	0	0	0
8/23/23	12,953.3	3.7	9,181.4	8.4	266,400	327,600	594,000	0.35	Yes	594,000	0.00	0	0	0	0	0
8/24/23	12,957.8	4.5	9,190.5	9.1	324,000	354,900	678,900	0.32	Yes	678,900	0.00	0	0	0	0	0
8/25/23	12,962.5	4.7	9,198.7	8.2	338,400	319,800	658,200	0.31	Yes	658,200	0.00	0	0	0	0	0
8/26/23	12,962.5	0.0	9,198.7	0.0	0	0	0	0.73	Yes	0	0.09	16,225	121,380	7,884	58,981	180,360
8/27/23	12,962.5	0.0	9,198.7	0.0	0	0	0	1.36	Yes	0	0.00	0	0	0	0	0
8/28/23	12,968.8	6.3	9,207.4	8.7	453,600	339,300	792,900	0.77	Yes	792,900	0.00	0	0	0	0	0
8/29/23	12,968.8	0.0	9,214.8	7.4	0	288,600	288,600	0.63	Yes	288,600	0.00	0	0	0	0	0
8/30/23	12,968.8	0.0	9,223.5	8.7	0	339,300	339,300	0.63	Yes	339,300	0.00	0	0	0	0	0
8/31/23	12,979.4	10.6	9,232.1	8.6	763,200	335,400	1,098,600	0.49	Yes	1,098,600	0.00	0	0	0	0	0
9/1/23	12,982.0	2.6	9,240.8	8.7	187,200	339,300	526,500	0.50	Yes	526,500	0.00	0	0	0	0	0
9/2/23	12,990.0	8.0	9,240.8	0.0	576,000	0	576,000	0.47	Yes	576,000	0.00	0	0	0	0	0
9/3/23	13,010.0	20.0	9,240.8	0.0	1,440,000	0	1,440,000	1.47	Yes	1,440,000	0.00	0	0	0	0	0

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
9/4/23	13,030.0	20.0	9,240.8	0.0	1,440,000	0	1,440,000	0.68	Yes	1,440,000	0.00	0	0	0	0	
9/5/23	6,773.3	0.0	9,247.7	6.9	0	269,100	269,100	0.36	Yes	269,100	0.00	0	0	0	0	
9/6/23	6,778.4	5.1	9,254.6	6.9	367,200	269,100	636,300	0.17	Yes	636,300	0.00	0	0	0	0	
9/7/23	6,786.3	7.9	9,254.6	0.0	568,800	0	568,800	0.13	Yes	568,800	0.00	0	0	0	0	
9/8/23	6,791.5	5.2	9,254.6	0.0	374,400	0	374,400	0.12	Yes	374,400	0.00	0	0	0	0	
9/9/23	6,791.5	0.0	9,254.6	0.0	0	0	0	0.12	Yes	0	0.00	0	0	0	0	
9/10/23	6,791.5	0.0	9,254.6	0.0	0	0	0	0.12	Yes	0	0.00	0	0	0	0	
9/11/23	6,802.7	11.2	9,263.4	8.8	806,400	343,200	1,149,600	0.11	Yes	1,149,600	0.05	9,014	67,433	4,380	32,767	100,200
9/12/23	6,805.1	2.4	9,271.3	7.9	172,800	308,100	480,900	0.36	Yes	480,900	0.20	36,056	269,733	17,520	131,068	400,801
9/13/23	6,809.5	4.4	9,279.5	8.2	316,800	319,800	636,600	0.34	Yes	636,600	0.01	1,803	13,487	876	6,553	20,040
9/14/23	6,811.4	1.9	9,289.7	10.2	136,800	397,800	534,600	0.49	Yes	534,600	0.49	88,336	660,845	42,924	321,117	981,962
9/15/23	6,814.5	3.1	9,297.4	7.7	223,200	300,300	523,500	0.37	Yes	523,500	0.00	0	0	0	0	0
9/16/23	6,814.5	0.0	9,297.4	0.0	0	0	0	0.55	Yes	0	0.00	0	0	0	0	0
9/17/23	6,814.5	0.0	9,297.4	0.0	0	0	0	0.57	Yes	0	0.00	0	0	0	0	0
9/18/23	6,824.5	10.0	9,305.9	8.5	720,000	331,500	1,051,500	0.55	Yes	1,051,500	0.00	0	0	0	0	0
9/19/23	6,826.1	1.6	9,313.5	7.6	115,200	296,400	411,600	1.76	Yes	411,600	0.00	0	0	0	0	0
9/20/23	6,828.0	1.9	9,321.9	8.4	136,800	327,600	464,400	3.63	Yes	464,400	0.26	46,872	350,652	22,776	170,388	521,041
9/21/23	6,829.9	1.9	9,329.9	8.0	136,800	312,000	448,800	1.87	Yes	448,800	0.03	5,408	40,460	2,628	19,660	60,120
9/22/23	6,831.5	1.6	9,338.0	8.1	115,200	315,900	431,100	3.27	Yes	431,100	0.00	0	0	0	0	0
9/23/23	6,831.5	0.0	9,338.0	0.0	0	0	0	5.03	NO	0	0.00	0	0	0	0	0
9/24/23	6,831.5	0.0	9,338.0	0.0	0	0	0	5.70	NO	0	0.00	0	0	0	0	0
9/25/23	6,835.7	4.2	9,345.5	7.5	302,400	292,500	594,900	3.50	Yes	594,900	0.00	0	0	0	0	0
9/26/23	6,837.3	1.6	9,354.0	8.5	115,200	331,500	446,700	4.11	Yes	446,700	0.00	0	0	0	0	0
9/27/23	6,838.9	1.6	9,362.4	8.4	115,200	327,600	442,800	2.22	Yes	442,800	0.00	0	0	0	0	0
9/28/23	6,845.6	6.7	9,371.3	8.9	482,400	347,100	829,500	0.14	Yes	829,500	0.00	0	0	0	0	0
9/29/23	6,853.4	7.8	9,380.7	9.4	561,600	366,600	928,200	0.07	Yes	928,200	0.00	0	0	0	0	0
9/30/23	6,853.4	0.0	9,380.7	0.0	0	0	0	0.05	Yes	0	0.00	0	0	0	0	0
3rd QUARTER TOTALS	496.0	453.8	35,712,000	17,698,200	53,410,200	-	-	41,011,500	5.61	1,011,362	7,566,002	491,439	3,676,457	11,242,459		
10/1/23	6,853.4	0.0	9,380.7	0.0	0	0	0	3.20	Yes	0	0.00	0	0	0	0	0
10/2/23	6,857.7	4.3	9,389.5	8.8	309,600	343,200	652,800	3.38	Yes	652,800	0.00	0	0	0	0	0
10/3/23	6,858.7	1.0	9,390.0	0.5	72,000	19,500	91,500	1.77	Yes	91,500	0.00	0	0	0	0	0
10/4/23	13,030.0	0.0	6,863.3	4.6	0	179,400	179,400	5.07	NO	0	3.42	616,552	4,612,429	299,594	2,241,263	6,853,692
10/5/23	13,049.0	19.0	6,863.3	0.0	1,368,000	0	1,368,000	3.44	Yes	1,368,000	0.00	0	0	0	0	0
10/6/23	13,062.4	13.4	6,867.2	3.9	964,800	152,100	1,116,900	4.89	NO	0	0.00	0	0	0	0	0
10/7/23	13,062.4	0.0	6,867.2	0.0	0	0	0	4.74	NO	0	0.00	0	0	0	0	0
10/8/23	13,062.4	0.0	6,867.2	0.0	0	0	0	5.10	NO	0	0.00	0	0	0	0	0
10/9/23	13,074.7	12.3	6,883.5	16.3	885,600	635,700	1,521,300	3.91	Yes	1,521,300	0.00	0	0	0	0	0
10/10/23	13,077.9	3.2	6,883.5	0.0	230,400	0	230,400	2.19	Yes	230,400	0.00	0	0	0	0	0
10/11/23	13,080.9	3.0	6,888.9	5.4	216,000	210,600	426,600	5.03	NO	0	0.00	0	0	0	0	0
10/12/23	13,083.8	2.9	6,888.9	0.0	208,800	0	208,800	5.13	NO	0	0.00	0	0	0	0	0
10/13/23	13,086.8	3.0	6,888.9	0.0	216,000	0	216,000	5.05	NO	0	0.00	0	0	0	0	0
10/14/23	13,086.8	0.0	6,888.9	0.0	0	0	0	5.00	NO	0	0.00	0	0	0	0	0
10/15/23	13,086.8	0.0	6,888.9	0.0	0	0	0	5.02	NO	0	0.00	0	0	0	0	0
10/16/23	13,094.9	8.1	6,892.5	3.6	583,200	140,400	723,600	4.91	NO	0	0.00	0	0	0	0	0
10/17/23	13,098.5	3.6	6,892.5	0.0	259,200	0	259,200	4.48	Yes	259,200	0.00	0	0	0	0	0
10/18/23	13,100.7	2.2	6,892.5	0.0	158,400	0	158,400	2.21	Yes	158,400	0.00	0	0	0	0	0
10/19/23	13,103.5	2.8	6,892.5	0.0	201,600	0	201,600	2.21	Yes	201,600	0.00	0	0	0	0	0
10/20/23	13,105.6	2.1	6,896.8	4.3	151,200	167,700	318,900	4.65	NO	0	0.00	0	0	0	0	0
10/21/23	13,105.6	0.0	6,896.8	0.0	0	0	0	4.43	Yes	0	0.00	0	0	0	0	0
10/22/23	13,105.6	0.0	6,896.8	0.0	0	0	0	4.54	NO	0	0.00	0	0	0	0	0
10/23/23	13,114.0	8.4	6,896.8	0.0	604,800	0	604,800	2.96	Yes	604,800	0.11	19,831	148,353	9,636	72,087	220,440

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
10/24/23	13,116.8	2.8	6,904.1	7.3	201,600	284,700	486,300	2.77	Yes	486,300	0.88	158,645	1,186,824	77,089	576,699	1,763,523
10/25/23	13,123.4	6.6	6,904.1	0.0	475,200	0	475,200	5.71	NO	0	1.11	200,109	1,497,016	97,237	727,427	2,224,444
10/26/23	13,135.6	12.2	6,914.0	9.9	878,400	386,100	1,264,500	3.52	Yes	1,264,500	0.10	18,028	134,866	8,760	65,534	200,400
10/27/23	13,144.0	8.4	6,914.0	0.0	604,800	0	604,800	0.53	Yes	604,800	0.11	19,831	148,353	9,636	72,087	220,440
10/28/23	13,150.2	6.2	6,914.0	0.0	446,400	0	446,400	8.12	NO	0	0.59	106,364	795,711	51,684	386,651	1,182,362
10/29/23	13,162.2	12.0	6,914.0	0.0	864,000	0	864,000	7.65	NO	0	0.80	144,223	1,078,931	70,080	524,272	1,603,203
10/30/23	13,174.2	12.0	6,920.8	6.8	864,000	265,200	1,129,200	7.24	NO	0	0.00	0	0	0	0	0
10/31/23	13,182.7	8.5	6,928.8	8.0	612,000	312,000	924,000	6.45	NO	0	0.01	1,803	13,487	876	6,553	20,040
11/1/23	13,188.6	5.9	6,935.4	6.6	424,800	257,400	682,200	6.39	NO	0	0.00	0	0	0	0	0
11/2/23	13,193.3	4.7	6,942.7	7.3	338,400	284,700	623,100	6.27	NO	0	0.00	0	0	0	0	0
11/3/23	13,197.4	4.1	6,944.2	1.5	295,200	58,500	353,700	3.54	Yes	353,700	0.00	0	0	0	0	0
11/4/23	13,197.4	0.0	6,944.2	0.0	0	0	0	2.88	Yes	0	0.00	0	0	0	0	0
11/5/23	13,197.4	0.0	6,944.2	0.0	0	0	0	6.30	NO	0	0.00	0	0	0	0	0
11/6/23	13,207.6	10.2	6,944.2	0.0	734,400	0	734,400	5.35	NO	0	0.00	0	0	0	0	0
11/7/23	13,211.8	4.2	6,951.2	7.0	302,400	273,000	575,400	2.59	Yes	575,400	0.00	0	0	0	0	0
11/8/23	13,214.1	2.3	6,951.2	0.0	165,600	0	165,600	7.12	NO	0	0.00	0	0	0	0	0
11/9/23	13,214.1	0.0	6,952.2	1.0	0	39,000	39,000	6.87	NO	0	0.52	93,745	701,305	45,552	340,777	1,042,082
11/10/23	13,223.1	9.0	6,958.0	5.8	648,000	226,200	874,200	8.64	NO	0	0.00	0	0	0	0	0
11/11/23	13,223.1	0.0	6,958.0	0.0	0	0	0	7.74	NO	0	0.00	0	0	0	0	0
11/12/23	13,223.1	0.0	6,958.0	0.0	0	0	0	7.60	NO	0	0.00	0	0	0	0	0
11/13/23	13,232.3	9.2	6,961.3	3.3	662,400	128,700	791,100	5.40	NO	0	0.00	0	0	0	0	0
11/14/23	13,236.8	4.5	6,961.3	0.0	324,000	0	324,000	6.77	NO	0	0.00	0	0	0	0	0
11/15/23	13,241.6	4.8	6,963.9	2.6	345,600	101,400	447,000	6.51	NO	0	0.00	0	0	0	0	0
11/16/23	13,246.2	4.6	6,963.9	0.0	331,200	0	331,200	5.23	NO	0	0.01	1,803	13,487	876	6,553	20,040
11/17/23	13,250.8	4.6	6,965.7	1.8	331,200	70,200	401,400	4.71	NO	0	0.00	0	0	0	0	0
11/18/23	13,250.8	0.0	6,965.7	0.0	0	0	0	7.53	NO	0	0.00	0	0	0	0	0
11/19/23	13,250.8	0.0	6,965.7	0.0	0	0	0	7.76	NO	0	0.25	45,070	337,166	21,900	163,835	501,001
11/20/23	13,250.8	0.0	6,969.2	3.5	0	136,500	136,500	8.55	NO	0	0.62	111,773	836,171	54,312	406,311	1,242,482
11/21/23	13,250.8	0.0	6,969.2	0.0	0	0	0	6.07	NO	0	0.00	0	0	0	0	0
11/22/23	13,250.8	0.0	6,972.0	2.8	0	109,200	109,200	4.73	NO	0	0.00	0	0	0	0	0
11/23/23	13,253.0	2.2	6,972.0	0.0	158,400	0	158,400	7.10	NO	0	0.00	0	0	0	0	0
11/24/23	13,265.0	12.0	6,972.0	0.0	864,000	0	864,000	7.18	NO	0	0.00	0	0	0	0	0
11/25/23	13,277.0	12.0	6,972.0	0.0	864,000	0	864,000	7.21	NO	0	0.10	18,028	134,866	8,760	65,534	200,400
11/26/23	13,289.0	12.0	6,972.0	0.0	864,000	0	864,000	7.59	NO	0	0.01	1,803	13,487	876	6,553	20,040
11/27/23	13,301.0	12.0	6,977.0	5.0	864,000	195,000	1,059,000	7.26	NO	0	0.00	0	0	0	0	0
11/28/23	13,305.8	4.8	6,977.0	0.0	345,600	0	345,600	5.58	NO	0	0.00	0	0	0	0	0
11/29/23	13,309.3	3.5	6,977.0	0.0	252,000	0	252,000	1.94	Yes	252,000	0.00	0	0	0	0	0
11/30/23	13,312.8	3.5	6,979.7	2.7	252,000	105,300	357,300	5.29	NO	0	0.33	59,492	445,059	28,908	216,262	661,321
12/1/23	13,317.4	4.6	6,989.0	9.3	331,200	362,700	693,900	7.04	NO	0	0.00	0	0	0	0	0
12/2/23	13,317.4	0.0	6,989.0	0.0	0	0	0	6.42	NO	0	0.01	1,803	13,487	876	6,553	20,040
12/3/23	13,317.4	0.0	6,989.0	0.0	0	0	0	6.24	NO	0	0.01	1,803	13,487	876	6,553	20,040
12/4/23	13,331.4	14.0	6,991.7	2.7	1,008,000	105,300	1,113,300	6.20	NO	0	0.00	0	0	0	0	0
12/5/23	13,336.2	4.8	6,991.7	0.0	345,600	0	345,600	5.37	NO	0	0.00	0	0	0	0	0
12/6/23	13,340.7	4.5	6,991.7	0.0	324,000	0	324,000	4.76	NO	0	0.00	0	0	0	0	0
12/7/23	13,345.0	4.3	6,998.8	7.1	309,600	276,900	586,500	5.92	NO	0	0.00	0	0	0	0	0
12/8/23	13,349.2	4.2	6,998.8	0.0	302,400	0	302,400	5.97	NO	0	0.00	0	0	0	0	0
12/9/23	13,349.2	0.0	6,998.8	0.0	0	0	0	6.20	NO	0	0.00	0	0	0	0	0
12/10/23	13,349.2	0.0	6,998.8	0.0	0	0	0	6.11	NO	0	0.00	0	0	0	0	0
12/11/23	13,362.2	13.0	7,001.8	3.0	936,000	117,000	1,053,000	5.93	NO	0	0.00	0	0	0	0	0
12/12/23	13,362.2	0.0	7,001.8	0.0	0	0	0	4.94	NO	0	0.00	0	0	0	0	0
12/13/23	13,362.2	0.0	7,001.8	0.0	0	0	0	4.06	Yes	0	0.00	0	0	0	0	0

DATE	PU-19 Quarry A		PU-18 Quarry B		Pit Water Pumped			Stream Augmentation Credit			Pit Rain Water					
	Meter Reading	Pump Hours Ran	Meter Reading	Pump Hours Ran	Quarry A (gal/day)	Quarry B (gal/day)	Grand Total (gal/day)	USGS Daily Mill Creek Flow (CFS)	Less than Median Stream Flow?	Stream Aug. Credit (gal/day)	Rainfall (inches)	Rainfall Volume QA (ft3)	Rainfall Gallons QA	Rainfall Volume QB (ft3)	Rainfall Gallons QB	Total Rainfall Gallons
12/14/23	13,362.2	0.0	7,007.7	5.9	0	230,100	230,100	5.92	NO	0	0.00	0	0	0	0	0
12/15/23	13,362.2	0.0	7,007.7	0.0	0	0	0	6.47	NO	0	0.62	111,773	836,171	54,312	406,311	1,242,482
12/16/23	13,362.2	0.0	7,007.7	0.0	0	0	0	6.13	NO	0	0.00	0	0	0	0	0
12/17/23	13,362.2	0.0	7,007.7	0.0	0	0	0	5.95	NO	0	0.01	1,803	13,487	876	6,553	20,040
12/18/23	13,377.7	15.5	7,007.7	0.0	1,116,000	0	1,116,000	5.75	NO	0	0.00	0	0	0	0	0
12/19/23	13,380.0	2.3	7,011.3	3.6	165,600	140,400	306,000	5.74	NO	0	0.00	0	0	0	0	0
12/20/23	13,382.8	2.8	7,014.0	2.7	201,600	105,300	306,900	5.50	NO	0	0.00	0	0	0	0	0
12/21/23	13,385.5	2.7	7,016.8	2.8	194,400	109,200	303,600	4.57	NO	0	0.34	61,295	458,546	29,784	222,816	681,361
12/22/23	13,385.5	0.0	7,016.8	0.0	0	0	0	1.00	Yes	0	0.09	16,225	121,380	7,884	58,981	180,360
12/23/23	13,387.7	2.2	7,016.8	0.0	158,400	0	158,400	1.41	Yes	158,400	0.15	27,042	202,300	13,140	98,301	300,601
12/24/23	13,399.7	12.0	7,016.8	0.0	864,000	0	864,000	44.60	NO	0	1.88	338,924	2,535,487	164,689	1,232,039	3,767,526
12/25/23	13,411.7	12.0	7,016.8	0.0	864,000	0	864,000	12.50	NO	0	0.00	0	0	0	0	0
12/26/23	13,423.7	12.0	7,025.4	8.6	864,000	335,400	1,199,400	8.54	NO	0	0.00	0	0	0	0	0
12/27/23	13,429.7	6.0	7,029.7	4.3	432,000	167,700	599,700	7.55	NO	0	0.00	0	0	0	0	0
12/28/23	13,434.2	4.5	7,035.3	5.6	324,000	218,400	542,400	6.60	NO	0	0.00	0	0	0	0	0
12/29/23	13,438.9	4.7	7,035.3	0.0	338,400	0	338,400	7.06	NO	0	0.00	0	0	0	0	0
12/30/23	13,438.9	0.0	7,035.3	0.0	0	0	0	5.57	NO	0	0.00	0	0	0	0	0
12/31/23	13,438.9	0.0	7,035.3	0.0	0	0	0	6.82	NO	0	0.00	0	0	0	0	0
4th QUARTER TOTALS		414.2		185.9	29,822,400	7,250,100	37,072,500	-	-	8,783,100	12.08	2,177,764	16,291,855	1,058,215	7,916,507	24,208,361
ANNUAL 2023		1,436 hours		1,177 hours	103,370,400	45,887,400	149,257,800	-	-	73,404,900	33.85	6,102,427	45,652,258	2,965,280	22,183,258	67,835,516

Attachment C

USGS Data for Mill Creek Median Daily Flow
(50% exceedance level)

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# ----- WARNING -----
# Some of the data that you have obtained from this U.S. Geological Survey database
# may not have received Director's approval. Any such data values are qualified
# as provisional and are subject to revision. Provisional data are released on the
# condition that neither the USGS nor the United States Government may be held liable
# for any damages resulting from its use.
#
# Additional info: https://waterdata.usgs.gov/provisional-data-statement/
#
# File-format description: https://help.waterdata.usgs.gov/faq/about-tab-delimited-output
# Automated-retrieval info: https://help.waterdata.usgs.gov/faq/automated-retrievals
#
# Contact: gs-w_waterdata_support@usgs.gov
# retrieved: 2024-03-26 17:28:27 EDT (sdww02)
#
# Data for the following 1 site(s) are contained in this file
# USGS 07331200 Mill Creek near Mill Creek, OK
# -----
#
# Data provided for site 07331200
#      TS      parameter      statistic      Description
#      325587      00060      00003      Discharge, cubic feet per second (Mean)
#
# Data-value qualification codes included in this output:
#      A Approved for publication -- Processing and review completed.
#      e Value has been estimated.
#
agency_cd      site_no      datetime      325587_00060_00003      325587_00060_00003_cd
5s      15s      20d      14n      10s
USGS      07331200      2023-01-01      1.27      A
USGS      07331200      2023-01-02      1.25      A
USGS      07331200      2023-01-03      1.21      A
USGS      07331200      2023-01-04      1.82      A
USGS      07331200      2023-01-05      2.05      A
USGS      07331200      2023-01-06      1.67      A
USGS      07331200      2023-01-07      1.39      A
USGS      07331200      2023-01-08      1.17      A
USGS      07331200      2023-01-09      1.08      A
USGS      07331200      2023-01-10      1.04      A
USGS      07331200      2023-01-11      1.07      A
USGS      07331200      2023-01-12      1.08      A
USGS      07331200      2023-01-13      0.98      A
USGS      07331200      2023-01-14      1.09      A
USGS      07331200      2023-01-15      1.16      A:e
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USGS      07331200      2023-01-17      0.98      A
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USGS      07331200      2023-01-27      1.32      A
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USGS      07331200      2023-02-03      1.05      A
USGS      07331200      2023-02-04      0.99      A

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USGS	07331200	2023-09-10	0.12	A
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USGS	07331200	2023-10-22	4.54	A

USGS	07331200	2023-10-23	2.96	A
USGS	07331200	2023-10-24	2.77	A
USGS	07331200	2023-10-25	5.71	A
USGS	07331200	2023-10-26	3.52	A
USGS	07331200	2023-10-27	0.53	A
USGS	07331200	2023-10-28	8.12	A
USGS	07331200	2023-10-29	7.65	A
USGS	07331200	2023-10-30	7.24	A
USGS	07331200	2023-10-31	6.45	A
USGS	07331200	2023-11-01	6.39	A
USGS	07331200	2023-11-02	6.27	A
USGS	07331200	2023-11-03	3.54	A
USGS	07331200	2023-11-04	2.88	A
USGS	07331200	2023-11-05	6.30	A
USGS	07331200	2023-11-06	5.35	A
USGS	07331200	2023-11-07	2.59	A
USGS	07331200	2023-11-08	7.12	A
USGS	07331200	2023-11-09	6.87	A
USGS	07331200	2023-11-10	8.64	A
USGS	07331200	2023-11-11	7.74	A
USGS	07331200	2023-11-12	7.60	A
USGS	07331200	2023-11-13	5.40	A
USGS	07331200	2023-11-14	6.77	A
USGS	07331200	2023-11-15	6.51	A
USGS	07331200	2023-11-16	5.23	A
USGS	07331200	2023-11-17	4.71	A
USGS	07331200	2023-11-18	7.53	A
USGS	07331200	2023-11-19	7.76	A
USGS	07331200	2023-11-20	8.55	A
USGS	07331200	2023-11-21	6.07	A
USGS	07331200	2023-11-22	4.73	A
USGS	07331200	2023-11-23	7.10	A
USGS	07331200	2023-11-24	7.18	A
USGS	07331200	2023-11-25	7.21	A
USGS	07331200	2023-11-26	7.59	A
USGS	07331200	2023-11-27	7.26	A
USGS	07331200	2023-11-28	5.58	A
USGS	07331200	2023-11-29	1.94	A
USGS	07331200	2023-11-30	5.29	A
USGS	07331200	2023-12-01	7.04	A
USGS	07331200	2023-12-02	6.42	A
USGS	07331200	2023-12-03	6.24	A
USGS	07331200	2023-12-04	6.20	A
USGS	07331200	2023-12-05	5.37	A
USGS	07331200	2023-12-06	4.76	A
USGS	07331200	2023-12-07	5.92	A
USGS	07331200	2023-12-08	5.97	A
USGS	07331200	2023-12-09	6.20	A
USGS	07331200	2023-12-10	6.11	A
USGS	07331200	2023-12-11	5.93	A
USGS	07331200	2023-12-12	4.94	A
USGS	07331200	2023-12-13	4.06	A
USGS	07331200	2023-12-14	5.92	A
USGS	07331200	2023-12-15	6.47	A
USGS	07331200	2023-12-16	6.13	A
USGS	07331200	2023-12-17	5.95	A
USGS	07331200	2023-12-18	5.75	A
USGS	07331200	2023-12-19	5.74	A
USGS	07331200	2023-12-20	5.50	A
USGS	07331200	2023-12-21	4.57	A
USGS	07331200	2023-12-22	1.00	A
USGS	07331200	2023-12-23	1.41	A
USGS	07331200	2023-12-24	44.6	A
USGS	07331200	2023-12-25	12.5	A
USGS	07331200	2023-12-26	8.54	A

USGS	07331200	2023-12-27	7.55	A
USGS	07331200	2023-12-28	6.60	A
USGS	07331200	2023-12-29	7.06	A
USGS	07331200	2023-12-30	5.57	A
USGS	07331200	2023-12-31	6.82	A