COVIA

August 3, 2023

Oklahoma Water Resources Board
3800 N. Classen
Oklahoma City, OK 73118
(405) 530-8800

Consumptive Water Use Report – Quarter 2 2023
Mine L.E.-1565 – Covia Corporation – Roff Facility

Dear Sir or Madam:

Enclosed please find Covia's consumptive water use report for the second quarter of 2023. As noted on the attached worksheet, the plant remains below our allocated equal proportionate share.

If you have any questions or require any additional information, please contact me.

Respectfully,

Jim Bonsall
Plant Manager

Consumptive Use of Pitwater Worksheet Quarter 2 2023

	Pit Groundwater Volume	Amount	(gallons)
1	Total volume of water pumped from the producing mine pit(s)	247,091,700	
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	51,209,426	
3	Portion of total precipitation that flows over the land surfaces that drains into the mine pit water	72,838,075	
4	Other non-pit waters pumped from the producing mine pit	34,848,000	
5	Add lines 2 through 4	158,895,502	
6	**Pit Groundwater Volume (Line 1 - Line 5)**	**88,196,198**	

	Defined Elements of Consumptive Use	Amount	(gallons)
7	Volume of pit water that is driven off (by drying) the mined material transported off the mine site	3,415,000	
8	Volume of pit water that is carried away with the mined material transported off the mining site (shipped)	0	
9	Volume of pit water that evaporates from the producing mine pit, process water ponds, and lined ponds (excluding structures used for augmentation)	12,324,045	
10	Volume of pit water that is used for other beneficial uses off the mine site		
11	**Defined Elements of Consumptive Use of Pit Groundwater (add Lines 7 through 10)**	**15,739,045**	

	Pit Groundwater Balance	Amount	(gallons)
12	Total groundwater from pit	72,457,153	
13	**Groundwater Augmentation** (Volume of pit groundwater returned to the groundwater basic or sub basin)	0	
14	**Stream Augmentation** (Volume of put groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance or median historic flows.		
15	**Precipitation & Run-off** (Volume of precipitation and surface run-off into a recharge pit or holding pond used for augmentation)	0	Credits
16	**Recycled Pit Groundwater** (Volume of pit groundwater returned to a mine pit or holding basin not included on lines 7 through 10)	72,457,153	
17	**Other Non-Consumptive Losses** (Including pit groundwater returned to the land surface from which surface run-off flows into a mine pit, and other losses not included in lines 7 through 10	0	
18	Add lines 13 through 18	72,457,153	
19	**Other Consumptive Use (adjusted)** Line 12 minus 18	**0**	

	Total Reported Consumptive Use Of Pit	Amount	(gallons)
21	**Total Reported Consumptive Use Of Pit** (add Line 11 and Line 19)	**15,739,045**	
	Facility's Equal Proportionate Share (EPS)	**97,533,849**	

Area of Pit(s):	205	(acres)	**Rainfall:**	9.2		
Area of Watershed Drainage:	298		**Weighted CN:**	78		
Retention Before Runoff (s):	2.9		**Runoff:**	6.45		
Area of Watershed Drainage Kite:	89		**Weighted CN Kite:**	66		
Retention Before Runoff (s) Kite:	5.2		**Runoff:**	4.98		
Area of Watershed Drainage HTC:	48		**Weighted CN HTC:**	78		
Retention Before Runoff (s) Kite:	2.7		**Runoff:**	6.60		
Tons Mined:	284,811	**% Moisture**	5.0			
Mesonet Pan Evaporation Method			0.08	Pan Evaporation (ins)		
			0.7	Lake Evaporation Coefficient		
Evaporation Areas			514252	Wingard		
			2545511	J		
			819570	G		
			91	Days		
0.2	acre-feet	for	1,497	acres		