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OKLAHOMA WATER
RESOURCES BOARD

August 19, 2024

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

Consumptive Water Use Report – Quarter 2 2024
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 2024. 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,

A handwritten signature in black ink, appearing to read 'J. Bonsall', written over a horizontal line.

Jim Bonsall
Plant Manager

Consumptive Use of Pitwater Worksheet Quarter 2

2024

Pit Groundwater Volume		Amount	(gallons)				
1	Total volume of water pumped from the producing mine pit(s)	472,307,700					
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	124,127,197					
3	Portion of total precipitation that flows over the land surfaces that drains into the mine pit water	221,553,569					
4	Other non-pit waters pumped from the producing mine pit	31,272,000					
5	Add lines 2 through 4	376,952,765					
6	Pit Groundwater Volume (Line 1 - Line 5)	95,354,935					
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	3,802,230					
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)	16,126,275					
Pit Groundwater Balance		Amount	(gallons)				
12	Total groundwater from pit	79,228,659					
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					
16	Recycled Pit Groundwater (Volume of pit groundwater returned to a mine pit or holding basin not included on lines 7 through 10)	79,228,659					
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	79,228,659					
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)	16,126,275					
Facility's Equal Proportionate Share (EPS)		97,533,849		0.2	acre-feet	for	1,497 acres

Area of Pit(s):	205	(acres)	Rainfall:	22.3	(inches)
Area of Watershed Drainage:	298		Weighted CN:	78	
Retention Before Runoff (s):	2.9		Runoff:	19.16	
Area of Watershed Drainage Kite:	89		Weighted CN Kite:	66	
Retention Before Runoff (s) Kite:	5.2		Runoff:	17.08	
Area of Watershed Drainage HTC:	48		Weighted CN HTC:	78	
Retention Before Runoff (s) Kite:	2.7		Runoff:	19.36	
Tons Mined:	317,106	% 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			

Credits