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Oklahoma Water Resources Board



February 5, 2025

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

**Consumptive Water Use Report – Quarter 4 2024, and Annual 2024
Mine L.E.-1565 – Covia Corporation – Roff Facility**

Dear Sir or Madam:

Enclosed please find the annual reporting fee and Covia's consumptive water use reports for the fourth quarter and the annual report for 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,

Jim Bonsall
Plant Manager

Consumptive Use of Pitwater Worksheet Quarter 4

2024

Pit Groundwater Volume

1	Total volume of water pumped from the producing mine pit(s)
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)
3	Portion of total precipitation that flows over the land surfaces that drains into the mine pit water
4	Other non-pit waters pumped from the producing mine pit
5	Add lines 2 through 4
6	Pit Groundwater Volume (Line 1 - Line 5)

Amount (gallons)

354,275,400
47,313,057
65,277,680
64,752,000
177,342,737
176,932,663

Area of Pit(s):	205 (acres)	Rainfall:	8.5
Area of Watershed Drainage:	298	Weighted CN:	78
Retention Before Runoff (s):	2.9	Runoff:	5.80
Area of Watershed Drainage Kite:	89	Weighted CN Kite:	66
Retention Before Runoff (s) Kite:	5.2	Runoff:	4.40
Area of Watershed Drainage HTC:	48	Weighted CN HTC:	78
Retention Before Runoff (s) Kite:	2.7	Runoff:	5.94

Defined Elements of Consumptive Use

7	Volume of pit water that is driven off (by drying) the mined material transported off the mine site
8	Volume of pit water that is carried away with the mined material transported off the mining site (shipped)
9	Volume of pit water that evaporates from the producing mine pit, process water ponds, and lined ponds (excluding structures used for augmentation)
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)

Amount (gallons)

3,406,535
0
0
3,406,535

Tons Mined: 284,105 **% Moisture** 5.0

Mesonet Pan Evaporation Method	0.08	Pan Evaporation (ins)
Evaporation Areas	0.7	Lake Evaporation Coefficient
	514252	Wingard
	2545511	J
	819570	G
	0	Days

Pit Groundwater Balance

12	Total groundwater from pit
13	Groundwater Augmentation (Volume of pit groundwater returned to the groundwater basic or sub basin)
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)
16	Recycled Pit Groundwater (Volume of pit groundwater returned to a mine pit or holding basin not included on lines 7 through 10)
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)
18	Add lines 13 through 18
19	Other Consumptive Use (adjusted) Line 12 minus 18

Amount (gallons)

173,526,128
0
0
0
173,526,128
0
173,526,128
0

Credits

Total Reported Consumptive Use Of Pit

Amount (gallons)

21	Total Reported Consumptive Use Of Pit (add Line 11 and Line 19)	3,406,535
	Facility's Equal Proportionate Share (EPS)	97,533,849

0.2 acre-feet for 1,497 acres

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Consumptive Use of Pitwater Worksheet Annual Report

2024

Pit Groundwater Volume		Amount	(gallons)				
1	Total volume of water pumped from the producing mine pit(s)	1,528,650,000					
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	247,697,769					
3	Portion of total precipitation that flows over the land surfaces that drains into the mine pit water	481,142,265					
4	Other non-pit waters pumped from the producing mine pit	255,912,000					
5	Add lines 2 through 4	984,752,034					
6	Pit Groundwater Volume (Line 1 - Line 5)	543,897,966					
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	14,569,125					
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)	24,783,519					
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)	39,352,644					
Pit Groundwater Balance		Amount	(gallons)				
12	Total groundwater from pit	504,545,322					
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)	504,545,322					
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	504,545,322					
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)	39,352,644		120.8	acre-feet		
	Facility's Equal Proportionate Share (EPS)	97,533,849		0.2	acre-feet	for	1,497 acres

Area of Pit(s):	205	(acres)	Rainfall:	44.5
Area of Watershed Drainage:	298		Weighted CN:	78
Retention Before Runoff (s):	2.9		Runoff:	41.20
Area of Watershed Drainage Kite:	89		Weighted CN Kite:	66
Retention Before Runoff (s) Kite:	5.2		Runoff:	38.82
Area of Watershed Drainage HTC:	48		Weighted CN HTC:	78
Retention Before Runoff (s) Kite:	2.7		Runoff:	41.42
Tons Mined:	1,215,065	% Moisture	5.0	
Mesonet Pan Evaporation Method	0.08	Pan Evaporation (ins)		
Evaporation Areas	0.7	Lake Evaporation Coefficient		
	514252	Wingard		
	2545511	J		
	819570	G		
	183	Days		

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COVIA SOLUTIONS LLC
776 CENTENNIAL DRIVE
OTTAWA, ILLINOIS 61350

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January 30, 2025



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OK WATER RESOURCES BOARD
PLANNING & MANAGEMENT DIV
3800 N CLASSEN BLVD
OKLAHOMA CITY OK 73118

VENDOR NUMBER 630231
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CHECK NUMBER: 0100216792
CHECK AMOUNT: \$500.00

PAGE: 1 OF 1

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GROSS AMOUNT	ADJUSTMENT	NET AMOUNT
01/22/25	012225		\$500.00	\$0.00	\$500.00
TOTAL			\$500.00	\$0.00	\$500.00

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