September 16, 2020

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

Consumptive Water Use Report – Quarter 2, 2020
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 2020. 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 myself or Jim Bonsall at (580) 456-7772.

Respectfully,

David Caldwell
QC Supervisor

Attachments

CC: Plant
    ERO
Consumptive Use of Pitwater Worksheet Quarter 2

Pit Groundwater Volume

1. Total volume of water pumped from the producing mine pit(s) 601,521,300
2. Volume of precipitation that falls onto the surface of water in the producing mining pit(s) 53,166,571
3. Portion of total precipitation that flows over the land surfaces that drains into the mine pit water 111,869,372
4. Other non-pit waters pumped from the producing mine pit 49,856,826
5. Add lines 2 through 4 214,992,570
6. Pit Groundwater Volume (Line 1 - Line 5) 386,528,730

Defined Elements of Consumptive Use

7. Volume of pit water that is driven off (by drying) the mined material transported off the mine site 2,607,098
8. Volume of pit water that is carried away with the mined material transported off the mining site (shipped) 557,767
9. Volume of pit water that evaporates from the producing mine pit, process water ponds, and lined ponds (excluding structures used for augmentation) 3,145,166
10. Volume of pit water that is used for other beneficial uses off the mine site 386,528,730
11. Defined Elements of Consumptive Use of Pit Groundwater (add Lines 7 through 10) 0

Pit Groundwater Balance

12. Total groundwater from pit 0
13. Groundwater Augmentation (Volume of pit groundwater returned to the groundwater basin or sub basin) 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 or median historic flows) 0
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 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 0
19. Other Consumptive Use (adjusted) Line 12 minus 18 0
20. Total Reported Consumptive Use Of Pit 0
21. Total Reported Consumptive Use Of Pit (add Line 11 and Line 19) 3,145,166

Facility's Equal Proportionate Share (EPS) 62,693,815

Enter Values in Yellow

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<thead>
<tr>
<th>Amount</th>
<th>(gallons)</th>
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| Area of Pit: | 318 (acres) |
| Rainfall:    | 16.88 (inches) |
| Area of Watershed Drainage: | 298 |
| Retention Before Runoff (t): | 2.9 |
| Area of Watershed Drainage: | 80 |
| Retention Before Runoff (t) Kite: | 5.2 |

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<thead>
<tr>
<th>Amount</th>
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<td>2,607,098</td>
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| Tons Mined: | 217,718 |
| % Moisture: | 5.0 |

ASHRAE Evaporation Model

A: 95
B: 37.4
V: 5
Pw: 0.69
Pa: 0.522
Hr: 970.4
Evap Area: 10 (acre)

Credits

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| at 0.2 acre-feet |
| for 962 acres   |