



DEPARTMENT OF ENVIRONMENTAL QUALITY

MONTHLY OPERATIONAL REPORT for GROUND WATER SYSTEM

Month Year

System name Falconhead Property Owners Association

PWSID OK2004305

July 2024

Address 113 Falconhead Drive

City Burneyville

Zip 73430

| Date       | Water Pumped in 1000 gal/day |           |         | Chlorine Added in lbs or gallons |            |            | Chlorine residual measured  |                |                          |                          | REMARKS:   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
|------------|------------------------------|-----------|---------|----------------------------------|------------|------------|-----------------------------|----------------|--------------------------|--------------------------|--|--|--------|--------|--------|------------|--|-----|-----|----|--|---|-----|-----------|--|-----|-----|
|            | Well 1                       | Well 3    | Well 6  | CL2 Well 1                       | CL2 Well 3 | CL2 Well 6 | Concentration (ppm or mg/L) |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
|            |                              |           |         |                                  |            |            | POE Well 1                  | POE Well 3 & 6 | in distribution (time 1) | in distribution (time 2) |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 1          |                              | 159       | 54      |                                  | 2.55       | 0          |                             | 1.47           | 0.9                      | 1.1                      | Divers cleaned and inspected tower started 7/31/24<br><br>Working on the Iron and Manageze issue, will inject Phosphate next month<br>Clorniator on well 3 went down, compensated with well 6  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 2          |                              | 137       | 36      |                                  | 3.4        | 1.7        |                             | 1.37           | 0.86                     | 0.5                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 3          |                              | 119       | 29      |                                  | 3.4        | 0.85       |                             | 1.39           | 0.88                     | 0.8                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 4          |                              | 88        | 34      |                                  | 4.25       | 2.55       |                             | 1.56           | 0.58                     | 1.0                      | <b>Chlorine Type and Concentration</b><br>Required to chlorinate <b>Yes</b> / No<br>Chlorine type <u>Sodium hypochlori</u><br>Concentration or (%) <u>12%</u>  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 5          |                              | 61        | 55      |                                  | 4.25       | 0.85       |                             | 1.39           | 0.7                      | 0.6                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 6          |                              | 60        | 56      |                                  | 5.95       | 3.4        |                             | 1.24           | 0.68                     | 0.3                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 7          |                              | 73        | 44      |                                  | 2.55       | 2.55       |                             | 1.91           | 0.32                     | 1.2                      | <b>Static and Pumping levels (in feet)</b><br>Well# <u>1</u> Static <u>N/A</u> Pumping <u>N/A</u><br>Well# <u>3</u> Static <u>N/A</u> Pumping <u>N/A</u><br>Well# <u>6</u> Static <u>N/A</u> Pumping <u>N/A</u><br>Well# <u>      </u> Static <u>      </u> Pumping <u>      </u><br>Well# <u>      </u> Static <u>      </u> Pumping <u>      </u>  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 8          |                              | 98        | 14      |                                  | 1.7        | 1.7        |                             | 1.96           | 0.65                     | 1.3                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 9          |                              | 33        | 32      |                                  | 3.4        | 0          |                             | 1.76           | 1.09                     | 0.8                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 10         |                              | 0         | 52      |                                  | 3.4        | 1.7        |                             | 2.03           | 0.89                     | 1.2                      | <u>1.2</u>   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 11         |                              | 16        | 53      |                                  | 0          | 3.4        |                             | 1.41           | 0.19                     | 1.2                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 12         |                              | 61        | 56      |                                  | 0          | 2.55       |                             | 1.14           | 1.8                      | 1.3                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 13         |                              | 49        | 56      |                                  | 0          | 5.1        |                             | 0.99           | 0.5                      | 1.4                      | <b>Alkalinity, pH, and stability</b><br><table><tr><td></td><td>Well 1</td><td>Well 3</td><td>Well 6</td></tr><tr><td>Alkalinity</td><td></td><td>119</td><td>137</td></tr><tr><td>pH</td><td></td><td>7</td><td>6.9</td></tr><tr><td>Stability</td><td></td><td>165</td><td>158</td></tr></table><br>Stability test used: <u>Hawke tester/ERT Lab</u><br><br><i>Alkalinity, pH, and stability must be determined at least monthly</i> |  | Well 1 | Well 3 | Well 6 | Alkalinity |  | 119 | 137 | pH |  | 7 | 6.9 | Stability |  | 165 | 158 |
|            | Well 1                       | Well 3    | Well 6  |                                  |            |            |                             |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| Alkalinity |                              | 119       | 137     |                                  |            |            |                             |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| pH         |                              | 7         | 6.9     |                                  |            |            |                             |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| Stability  |                              | 165       | 158     |                                  |            |            |                             |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 14         |                              | 77        | 56      |                                  | 0          | 7.65       |                             | 1.61           | 1.5                      | 0.3                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 15         |                              | 88        | 56      |                                  | 0          | 15.3       |                             | 3.7            | 1.8                      | 3.3                      | Power Cost #####<br>Labor Cost #####<br>Chemical Cost #####<br>Repair Cost #####<br>Total Cost #####<br>Cost/Million Gallon #####  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 16         |                              | 59        | 56      |                                  | 0.85       | 2.55       |                             | 1.49           | 1.1                      | 1.2                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 17         |                              | 54        | 56      |                                  | 2.55       | 1.7        |                             | 1.56           | 1.2                      | 1.5                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 18         |                              | 51        | 55      |                                  | 1.7        | 1.7        |                             | 1.57           | 1.1                      | 0.3                      | TOTAL 0 2045 1516 0 73.95 81.6   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 19         |                              | 54        | 56      |                                  | 2.55       | 2.55       |                             | 1.58           | 1.4                      | 1.2                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 20         |                              | 54        | 56      |                                  | 3.4        | 2.55       |                             | 1.49           | 0.9                      | 1.0                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 21         |                              | 54        | 56      |                                  | 2.55       | 0          |                             | 1.45           | 1.2                      | 1.3                      | AVG. 65.967742 48.9032 2.38548 2.632 0 0   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 22         |                              | 54        | 56      |                                  | 2.55       | 1.7        |                             | 1.43           | 1.0                      | 0.9                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 23         |                              | 55        | 56      |                                  | 3.4        | 0.85       |                             | 1.46           | 1.2                      | 0.8                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 24         |                              | 55        | 56      |                                  | 2.55       | 3.4        |                             | 1.54           | 0.8                      | 1.1                      | TOTAL 0 2045 1516 0 73.95 81.6   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 25         |                              | 55        | 56      |                                  | 0.85       | 1.7        |                             | 1.41           | 1.1                      | 0.6                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 26         |                              | 63        | 56      |                                  | 0.85       | 1.7        |                             | 1.4            | 0.7                      | 0.5                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 27         |                              | 96        | 54      |                                  | 2.55       | 3.4        |                             | 1.46           | 0.7                      | 1.2                      | AVG. 65.967742 48.9032 2.38548 2.632 0 0   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 28         |                              | 68        | 50      |                                  | 2.55       | 2.55       |                             | 1.28           | 0.6                      | 0.5                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 29         |                              | 50        | 56      |                                  | 3.4        | 0.85       |                             | 1.37           | 0.9                      | 1.1                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 30         |                              | 75        | 51      |                                  | 6.8        | 2.55       |                             | 1.66           | 1.3                      | 0.6                      | TOTAL 0 2045 1516 0 73.95 81.6   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| 31         |                              | 29        | 7       |                                  | 0          | 2.55       |                             | 1.1            | 1.1                      | 0.8                      |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| TOTAL      | 0                            | 2045      | 1516    | 0                                | 73.95      | 81.6       |                             |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
| AVG.       |                              | 65.967742 | 48.9032 |                                  | 2.38548    | 2.632      |                             |                | 0                        | 0                        | TOTAL 0 2045 1516 0 73.95 81.6   |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
|            |                              |           |         |                                  |            |            |                             |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |
|            |                              |           |         |                                  |            |            |                             |                |                          |                          |  |  |        |        |        |            |  |     |     |    |  |   |     |           |  |     |     |

I hereby certify the above to be correct to the best of my knowledge.

Herb Collier, Submitted Electronically

Signature

Print: Herb Collier

License #:

Date

106853

Department of Environmental Quality  
Water Quality Division  
PO Box 1677  
Oklahoma City, OK 73101-1677