| | |
|---|---|
| **From:** | Meyer, Lisa A |
| **To:** | Howell, Tonya |
| **Cc:** | Sperry, Clint; Miller, Barbara J; Meyer, Lisa A |
| **Subject:** | RE: City of St. Charles Pumping Data for 2021 |
| **Date:** | Wednesday, September 21, 2022 10:09:24 AM |
| **Attachments:** | image001.png<br>image003.png |

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Tonya,

Per our phone conversation (and this is not a high priority request), the City provided the 2021 well pumping data (highlighted in yellow below) as a lump sum for each well for the year. Since the spike in VOCs at PZ-11 was detected in Dec 2021, it would be beneficial to have monthly pumping data for each well to determine if/how the usage of CW-6 impacted movement/direction of this unknown contamination.

If you find an acceptable opportunity please request monthly pumping data for each well in 2021 as they have provided for previous years.

Well usage for 2018

| Well# | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Monthly |
|---|---|---|---|---|---|---|---|---|
| Jan | 0 | 0 | 0 | 0 | 14.44 | 60.2 | 60.2 | 134.84 |
| Feb | 0 | 0 | 0 | 0 | 7.56 | 51.57 | 51.57 | 110.7 |
| Mar | 0 | 0 | 0 | 0 | 5.22 | 55.02 | 60.24 | 120.48 |
| Apr | 0 | 0 | 0 | 0 | 9.27 | 56.32 | 56.32 | 121.91 |
| May | 0 | 0 | 0 | 0 | 51.94 | 51.94 | 51.94 | 155.82 |
| June | 0 | 0 | 0 | 0 | 49.71 | 49.71 | 49.71 | 149.13 |
| July | 0 | 0 | 0 | 0 | 51.39 | 51.39 | 51.39 | 154.17 |
| Aug | 0 | 0 | 0 | 0 | 51.26 | 51.26 | 51.26 | 153.78 |
| Sept | 0 | 0 | 0 | 0 | 47.32 | 42.19 | 47.32 | 136.83 |
| Oct | 0 | 0 | 0 | 0 | 51.73 | 51.73 | 51.73 | 155.19 |
| Nov | 0 | 0 | 0 | 0 | 19.35 | 54.41 | 19.35 | 93.11 |
| Dec | 0 | 0 | 0 | 0 | 14.28 | 49.94 | 14.28 | 78.5 |
| **2018** | **0** | **0** | **0** | **0** | **373.47** | **625.68** | **565.31** | **1564.46** |

Well usage for 2019

| Well# | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Monthly |
|---|---|---|---|---|---|---|---|---|
| Jan | 0 | 0 | 0 | 0 | 0 | 68.2 | 0 | 68.2 |
| Feb | 0 | 0 | 0 | 0 | 6.9 | 52.9 | 6.9 | 66.7 |
| Mar | 0 | 0 | 0 | 0 | 14.95 | 29 | 43.95 | 87.9 |
| Apr | 0 | 0 | 0 | 0 | 0 | 57.6 | 57.6 | 115.2 |
| May | 0 | 0 | 0 | 0 | 40.5 | 51.3 | 33.3 | 125.1 |
| June | 0 | 0 | 0 | 0 | 8.5 | 57.9 | 57.9 | 124.3 |
| July | 0 | 0 | 0 | 48 | 0 | 48 | 48 | 96 |
| Aug | 0 | 0 | 0 | 23 | 25 | 48 | 48 | 121 |
| Sept | 0 | 0 | 0 | 0 | 46 | 46 | 46 | 138 |
| Oct | 0 | 0 | 0 | 0 | 40.4 | 35.6 | 17 | 93 |
| Nov | 0 | 0 | 0 | 11.8 | 42.8 | 42.8 | 42.8 | 128.4 |
| Dec | 0 | 0 | 0 | 31 | 31 | 26 | 37 | 94 |
| **2019** | **0** | **0** | **0** | **113.8** | **256.05** | **563.3** | **438.45** | **1371.6** |

Well usage for 2020

| Well# | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Monthly |
|---|---|---|---|---|---|---|---|---|
| Jan | 0 | 0 | 0 | 9.3 | 9.3 | 29.4 | 38.7 | 77.4 |
| Feb | 0 | 0 | 0 | 24.2 | 29 | 4.8 | 29 | 62.8 |
| Mar | 0 | 0 | 0 | 0 | 44.1 | 44.1 | 26.6 | 114.8 |
| Apr | 0 | 0 | 0 | 0 | 41.3 | 41.3 | 0 | 82.6 |
| May | 0 | 0 | 0 | 20.9 | 38 | 58.9 | 0 | 96.9 |
| June | 0 | 0 | 0 | 11.5 | 54.6 | 28 | 35.2 | 117.8 |
| July | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aug | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sept | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oct | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nov | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2020** | **0** | **0** | **0** | **65.9** | **216.3** | **206.5** | **129.5** | **618.2** |

Thank you,
Lisa

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**From:** Howell, Tonya <Howell.Tonya@epa.gov>
**Sent:** Thursday, August 18, 2022 11:53 AM
**To:** Meyer, Lisa A <LMeyer2@ameren.com>
**Cc:** Sperry, Clint <Sperry.Clint@epa.gov>
**Subject:** [EXTERNAL] RE: City of St. Charles Pumping Data for 2021

**EXTERNAL SENDER** **STOP.THINK.QUESTION.**

Verify unexpected requests before opening links or attachments.

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See below from 212:

The following summarizes the total volume (gallons) of groundwater extracted from each of the production wells located within the Elm Point Wellfield in 2021.

| Year | CW-6 | CW-7 | CW-8 | CW-9 | CW-10 | Total |
|---|---|---|---|---|---|---|
| 2021 | 182,500,000 | 127,750,000 | 127,750,000 | 1,022,000,000 | 380,900,000 | 1,840,900,000 |

**Tonya Howell**
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U.S. Environmental Protection Agency, Region 7
913-551-7589

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**From:** Meyer, Lisa A <LMeyer2@ameren.com>
**Sent:** Thursday, August 11, 2022 1:55 PM
**To:** Howell, Tonya <Howell.Tonya@epa.gov>
**Cc:** Sperry, Clint <Sperry.Clint@epa.gov>
**Subject:** City of St. Charles Pumping Data for 2021

Hi Tonya,

Would you or Clint by chance have the city well pumping data for 2021 that I could get a copy of? I'm specifically looking for CW-6 data for 2021, but please send all pump data for 2021 if you have it.

I checked with Barb and she agrees the most current City well pumping data we have is from 2020.

| | Well usage for 2020 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Well#** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **Monthly** |
| Jan | 0 | 0 | 0 | 9.3 | 9.3 | 29.4 | 38.7 | 77.4 |
| Feb | 0 | 0 | 0 | 24.2 | 29 | 4.8 | 29 | 62.8 |
| Mar | 0 | 0 | 0 | 0 | 44.1 | 44.1 | 26.6 | 114.8 |
| Apr | 0 | 0 | 0 | 0 | 41.3 | 41.3 | 0 | 82.6 |
| May | 0 | 0 | 0 | 20.9 | 38 | 58.9 | 0 | 96.9 |
| June | 0 | 0 | 0 | 11.5 | 54.6 | 28 | 35.2 | 117.8 |
| July | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aug | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sept | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oct | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nov | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2020** | **0** | **0** | **0** | **65.9** | **216.3** | **206.5** | **129.5** | **618.2** |

Thanks,


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