



# Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

115 DELAFIELD STREET  
WAUKESHA, WI 53188-3615

Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail: [contactus@waukesha-water.com](mailto:contactus@waukesha-water.com)

DATE: February 19, 2021  
TO: Dan Duchniak  
FROM: Kelly Zylstra  
RE: 2021 Water Supply Status

During all of 2020, all active water supply wells were in service at full capacity and we continued to comply with our DOJ stipulation order.

The table below shows well capacity, radium levels, and anticipated well pump rehabilitations.

Station	Design Capacity (gpm)	2020 Actual Capacity (gpm)	Age of Equipment (Years)	Next Rehab <sup>e</sup>	Radium Level pCi/L <sup>f</sup>	On-Site Treatment or Blending	2020 Total Output (/mg <sup>h</sup> )	2020 Total Hours
<b>Well 3</b>	<b>950</b>	<b>707</b>	<b>6<sup>a</sup></b>	<b>2021</b>	<b>2.19</b>	<b>HMO</b>	<b>215,046</b>	<b>5,061</b>
Well 5	1,000	1,130	23	-	7.71	No	25,107	372
Well 6	1,900	2,207	5	-	7.63	No	35,292	267
Well 7	750	721	17	2022	3.64 <sup>g</sup>	No	11,886	275
<b>Well 8</b>	<b>1,600</b>	<b>2,041</b>	<b>2<sup>b</sup></b>	<b>2023</b>	<b>2.36</b>	<b>Blending/HMO</b>	<b>545,665</b>	<b>4,457</b>
Well 9	1,350	1,301	18	2025	8.62	No	1,215	16
<b>Well 10</b>	<b>2,700</b>	<b>2704</b>	<b>1<sup>c</sup></b>	<b>2024</b>	<b>1.57</b>	<b>HMO</b>	<b>782,116</b>	<b>4,822</b>
<b>Well 11</b>	<b>500</b>	<b>153</b>	<b>8</b>	<b>-</b>	<b>0.57</b>	<b>Blending</b>	<b>33,165</b>	<b>3,608</b>
<b>Well 12</b>	<b>700</b>	<b>518</b>	<b>9</b>	<b>-</b>	<b>0.54</b>	<b>Blending</b>	<b>111,536</b>	<b>3,588</b>
<b>Well 13</b>	<b>750</b>	<b>570</b>	<b>2<sup>d</sup></b>	<b>-</b>	<b>0.57</b>	<b>Shallow Well</b>	<b>176,490</b>	<b>5,159</b>

<sup>a</sup> #3 Pump and motor placed in service on 9/28/2015

<sup>b</sup> #8 Pump and motor placed in service in 11/29/2018

<sup>c</sup> #10 Full capacity pump and motor placed in service on 10/1/2019

<sup>d</sup> #13 Pump and motor placed in service in 2/19/2019

<sup>e</sup> Will be modified depending on which wells are approved as emergency sources of supply

<sup>f</sup> Most recent sample results available from 2020 testing

<sup>g</sup> Tests from 2017 - 2020 were <5.0 however, have been higher in past so not used regularly as compliant site.

<sup>h</sup> Million gallons

We can produce up to 17.3 million gallons per day (mgd). Of this, we have available 9.7mgd of radium compliant water. In 2020, our average day pumpage was 5.29mgd with our maximum day on August, 24, 2020, pumping 8.13mgd.

We have 3.93 million gallons of useable ground storage and 2.68 million gallons of available elevated storage (includes a portion of Hillcrest) to meet peak hour and fire protection demands.