



# Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

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DATE: April 4, 2017  
TO: Dan Duchniak  
FROM: Kelly Zylstra  
RE: 2017 Water Supply Status

As we enter the peak pumping season, all active supply wells will be in service with Well No. 10 operating at reduced capacity.

We will be capable of producing up to 16.8 million gallons per day (mgd) when Well No. 10 is back to full capacity. Of this 16.8mgd capacity, we will have available 8.95mgd of radium compliant water.

In 2016, our average day pumpage was 5.95mgd with our maximum day on Wednesday, July 20th, pumping 8.7mgd. In addition to well pumpage capacity, we have 7.75 million gallons of ground storage and 7.07 million gallons of elevated storage to meet peak hour and fire protection demands.

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

Station	Design Capacity (gpm)	2016 Actual Capacity (gpm)	Age of Equipment (Years)	Next Rehab	Radium Level pCi/L	On-Site Treatment or Blending	2016 Total Output (/mg*)	2016 Total Hours
Well 3	950	827	2	2019	3.32	HMO	296,346	5,963
Well 5	1,000	1,164	19		7.57	No	24,661	353
Well 6	1,900	2,252	1	2025	8.37	No	48,455	359
Well 7	750	686	13	2016	5.37	No	28,300	687
Well 8	1,600	1,756	3	2019	3.54	Blending/ HMO	492,692	4,602
Well 9	1,350	1,329	14		11	No	3,199	40
Well 10	2,700	2,283/1,537**		2020	3.11	HMO	939,113	6,522
Well 11	500	164	4	2019	.44	Blending	33,885	3,302
Well 12	700	580	4	2019	.52	Blending	98,531	2,805
Well 13	750	610	8	2018	1.5	Shallow Well	207,366	5,741

\*Million gallons

\*\* Well No. 10 full capacity in 2016 was 2,283gpm. The well pump failed requiring us to install reduced capacity equipment operating at 1,537gpm.