

Water Supply Update

Serving the Community of Millbury

News and Notes

- 💧 PFAS – By now most of you have learned a bit about a new drinking water contaminant : Per- and Poly- Fluoroalkyl Substances (PFAS). These man-made compounds have been dubbed “forever chemicals” as they persist in the environment for a long time. They are nearly ubiquitous in our daily lives as they can be found in consumer products (gortex, carpeting, furniture, sunscreen) and food products (pizza boxes, microwave popcorn bags, non-stick frying pans). In 2018 the Massachusetts Department of Environmental Protection implemented a health advisory level for PFAS in drinking water of 70 parts per trillion (ppt) for 5 PFAS compounds (PFOS, PFOA, PFNA, PFHpA, & PFHxS). In early 2019 DEP proposed a groundwater clean-up standard of 20 ppt for 6 PFAS compounds, and later in December 2019 DEP proposed a new drinking water limit (maximum contaminant level), matching the 20 ppt clean-up standard.



As a result, to minimize the risk to our customers Aquarion made a decision to voluntarily sample all of our water supply sources. We collected samples from all of our wells in Millbury on October 3, 2019, and received the results from the laboratory on October 21, 2019. The results indicated that the PFAS levels at our Oak Pond Well were above the DEP Health Advisory Level of 70 ppt, and as a result we shut down the Oak Pond Well immediately. PFAS levels in Millbury drinking water are now well below the proposed drinking water standard of 20 ppt. **The Oak Pond Well will remain off-line until further notice.** We are continuing to voluntarily sample for PFAS quarterly, and have posted sampling results and information about PFAS on our website at: <https://www.aquarionwater.com/water-quality/learn-about-pfas/ma-pfas-faqs>

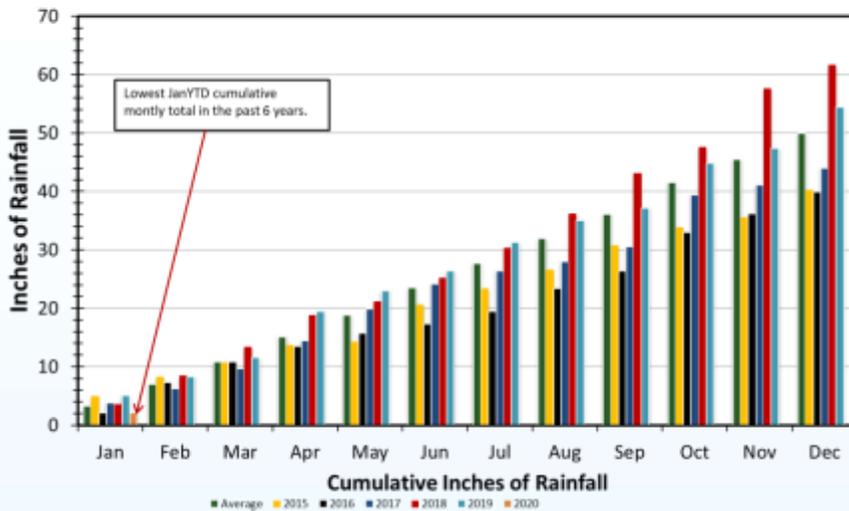
- 💧 Aquarion has retained the services of an Environmental Engineering Consultant to complete an alternatives analysis for the Oak Pond Well PFAS contamination. We will be evaluating treatment and well replacement options. In addition, DEP will be investigating the source of the PFAS contamination at the Oak Pond Well to try and identify a responsible party.
- 💧 Aquarion is re-evaluating our anticipated 2020 capital improvement plan based on the result of the Oak Pond Well PFAS contamination issue. We are continuing to evaluate proceeding with the Town Center water main replacement project and other water main projects.
- 💧 We are planning our next Customer Advisory Board meeting at A&D Pizza in April 2020. At the meeting we will review our 2020 capital improvement plans and operations. The meeting will also include a presentation about our water system hydraulic model.

Stewards of the Environment™

Community Outreach: this past fall and winter we made donations (food and toys) to the Millbury Police Association & Millbury Fire Department, donated to the Lions Club, donated to the Town Center Beautification, and installed a hydration station at the Elmwood School.



Aquarion Water Company, MA
Cumulative Monthly Rainfall
Millbury/Oxford



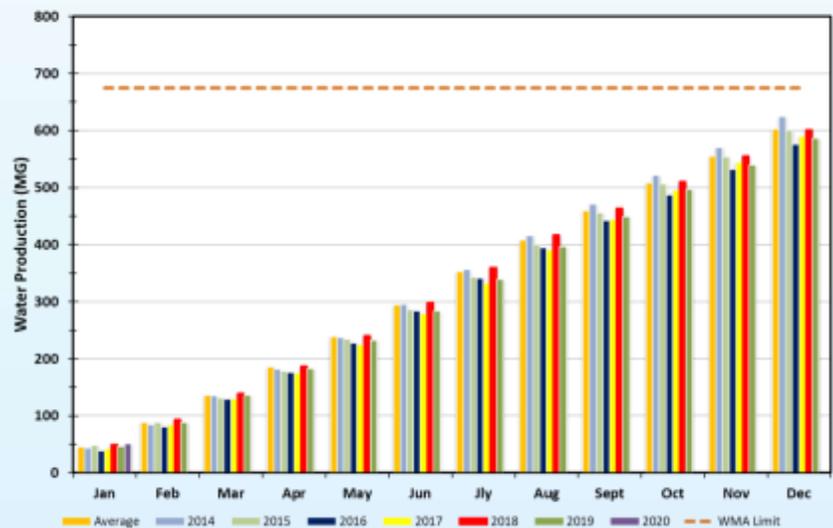
Weather Trends

Total Precipitation for 2019 was 54.45 inches, which was 4.16 inches above average. So far in 2020, the amount of precipitation we received in January was 2.09 inches. This monthly amount is 1.76 inches below the historic average for the month of January. However, based on all of the precipitation in 2019, groundwater levels are normal for this time of year.

Water Supply and Demand

The average annual water demand for 2019 was 1.61 million gallons per day (MGD), which is approximately 40,000 gallons per day lower than the historic annual average. The water demand for the month of January 2020 was 1.62 MGD, which is approximately 170,000 gallons per day above the average usage for January. We attribute this increase in usage to a warm month resulting in outside water use for washing vehicles and 2 fairly large leaks that were found and repaired. We are confident that we will continue be able to meet our customer’s needs. Some statistical pumping information for the month of January 2020 is attached separately to this Water Supply Update.

Aquarion Water Company
Cumulative Monthly System Delivery (MG)
Millbury Water System (Includes Purchased Water)



Customers are reminded to practice water conservation. For helpful water conservation tips, please visit our website:

<http://www.aquarionwater.com/MA/waterconservation>

Aquarion Water Company, MA
Monthly Water Supply Report
Millbury

Month
January

Year
2020

Monthly Supply Pumping Summary

Millbury Ave Well	19.87	MG	39.4%
Oak Pond Well	0.00	MG	0.0%
Jacques Well #1	18.45	MG	36.6%
Jacques Well #2	11.90	MG	23.6%
Worcester (Purchased)	0.15	MG	0.3%
	50.37	MG	100.0%

Precipitation

Monthly Total (Inches)	2.19
Annual Total (Inches)	37.19

Statistics

Pumping

Maximum Day (MGD)	2.325
Date	01/12/20

Minimum Day (MGD)	1.256
Date	01/02/20

Year to Date

Maximum Day (MGD)	2.325
Date	01/12/20

Average Day (MGD)	1.625
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