



July 11, 2023

Via Electronic Filing

Ms. A. Shonta Dunston, Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4325

Re: Docket No. W-218, Sub 526A
Second Quarter 2023 Notice of Deficiency Reports Provided to the
North Carolina Department of Environmental Quality

Dear Ms. Dunston:

Attached for filing please find Aqua North Carolina, Inc.'s Second Quarter 2023 Notice of Deficiency Reports; these were provided to the North Carolina Department of Environmental Quality and the Public Staff on July 10, 2023.

I hereby certify that I have served a copy of this filing on all parties of record in the docket.

If there are any questions regarding this filing, please do not hesitate to contact me.

Sincerely,

Robyn E. Lambeth
Senior Executive Assistant

c: Parties of Record



July 10, 2023

Mr. Shawn F. Guyer, P.E.
Engineering Supervisor
Public Water Supply Section
Raleigh Regional Office, NCDEQ
1628 Mail Service Center
Raleigh, NC 27699-1628

Re Notice of Deficiency – Quarterly Update
Iron and Manganese Concentration

Dear Mr. Guyer:

Attached are the remaining secondary water quality Notice of Deficiencies. Aqua respectfully requests that these remaining systems be removed from quarterly reporting.

- Barton Creek Bluffs well #10
- Hawthorne well #1 and #2

If you have any questions, please feel free to contact me at (919)-653-6982.

Sincerely,

Robert Krueger

Robert Krueger
Area Manager
Aqua North Carolina, Inc.

cc: Joseph Pearce
Amanda Berger
Shannon Becker
State of North Carolina
Utilities-Public Staff

UPDATED QUARTERLY STATUS REPORT

OFFICIAL COPY

JUL 11 2023

Table 1 – Well Information, Completed Activities and Planned Activities		
Well Name and No.	Completed Activities	Planned Activities
Hawthorne Well #1 & #2 (P76)	<ul style="list-style-type: none"> • February 2016 -Started Using SeaQuest • Jan - Apr 2016 - Flushed system 	<ul style="list-style-type: none"> • Continued investigation of well #1 and #2 production and water quality • Well 1 has been offline (not actively feeding distribution) since May 1, 2022 • Evaluate alternative options (drilling new well, cleaning, etc.) to remediate the supply loss
Approved GPM (73)	<ul style="list-style-type: none"> • February 2017 - Flushed system • June 2017 - Installed cartridge filter • September 2017 – Started Distribution and POE total and soluble sampling • December 2017 - Added raw sample data • March 2018 - Storage tank was cleaned 	
Avg. Quarterly Runtime (0)	<ul style="list-style-type: none"> • Q2-2018 system flushed • July 2018 - Adjusted Seaquest feed rate 	
	<ul style="list-style-type: none"> • Q4- 2018 performed jar testing at well #1 and adjusted sequestration feeds 	
Comments:	<p>Aqua keep these wells offline as much as possible. When peak demands exceed 14 hours, well #1 is utilized as it is the only source on a 5,000-gallon ground storage tank. Aqua is currently investigating multiple options to address the source water quality issues. Well #1 is currently only producing an average of 7 gpm which does not warrant filter installation. Aqua is evaluating well #2 water quality and the possibility of putting it back in-service. Well 1 has been offline (not actively feeding distribution) since May 1, 2022. Aqua will evaluate alternative options (drilling new well, cleaning, etc.) to remediate the supply loss to the Bayleaf master system. Aqua respectfully asks for this well be removed from quarterly reporting with the understanding that any use of this well will require the quarterly reporting to continue.</p>	

UPDATED QUARTERLY STATUS REPORT

Table 1 – Well Information, Completed Activities and Planned Activities		
Well Name and No.	Completed Activities	Planned Activities
Barton Creek Bluffs Well #10 (67)	<ul style="list-style-type: none"> • March 2016 – Started using SeaQuest • February 2017 – Flushed system • September 2017 – Took soluble and insoluble well head and distribution samples 	<ul style="list-style-type: none"> • Continue to monitor the effectiveness of sequestration
Approved GPM (15)	<ul style="list-style-type: none"> • December 2017 – Added raw sample data distribution soluble and insoluble iron 	
Avg. Quarterly Runtime (6.5)	<ul style="list-style-type: none"> • Q2 – 2018 Flushed system • Q4- 2018 performed jar testing at this well and adjusted sequestration feeds. 	
Aqua has received zero customer complaints in the last year of quarterly reporting for this well and respectfully requests that this system be removed from quarterly reporting.		

Aqua is committed to providing water to its customers that meets their expectations at a reasonable cost. If you have any questions or comments, please contact me at (919) 653-6982.

Sincerely,

Robert Krueger

Robert Krueger
Area Manager
Aqua North Carolina, Inc.

Cc: Joseph Pearce
Amanda Berger
Shannon Becker
State of North Carolina
Utilities-Public Staff