

**From:** [Thein, Zaw](#)  
**To:** [Shortell, Michael](#)  
**Cc:** [Sal Misiti](#); [Cusack, Thomas](#); [Destefanis, Karen](#)  
**Subject:** RE: North Castle - School Street  
**Date:** Tuesday, October 4, 2022 2:08:10 PM  
**Attachments:** [image001.png](#)

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It is acceptable. Thank you.

**Zaw T. Thein, P.E.**

Associate Engineer  
Bureau of Environmental Quality  
Westchester County Department of Health  
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Tel: 914-864-7348  
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**From:** Shortell, Michael <Michael.Shortell@wsp.com>  
**Sent:** Tuesday, October 4, 2022 8:54 AM  
**To:** Thein, Zaw <ztt1@westchestergov.com>  
**Cc:** Sal Misiti <smisiti@northcastleny.com>; Cusack, Thomas <Thomas.Cusack@wsp.com>; Destefanis, Karen <Karen.Destefanis@wsp.com>  
**Subject:** RE: North Castle - School Street

Hi Zaw

I was wondering if the proposed schedule below is acceptable or if you had any questions. Please let me know.

Thanks  
Mike

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**From:** Shortell, Michael  
**Sent:** Wednesday, September 21, 2022 7:57 AM  
**To:** Thein, Zaw <[ztt1@westchestergov.com](mailto:ztt1@westchestergov.com)>  
**Cc:** Sal Misiti <[smisiti@northcastleny.com](mailto:smisiti@northcastleny.com)>; Cusack, Thomas <[Thomas.Cusack@wsp.com](mailto:Thomas.Cusack@wsp.com)>; Destefanis, Karen <[Karen.Destefanis@wsp.com](mailto:Karen.Destefanis@wsp.com)>  
**Subject:** FW: North Castle - School Street

Hello Zaw

Please see the responses to your questions below in red. We would expect the total amount of time that Well 1 would be out of service would be approximately 13 weeks. However, this schedule is contingent on a timely review and approval of the pump test plan and, if possible, an expedited review of the 72-hour yield test report to allow for reactivation of Well 1, assuming there are no new water quality issues or potential offsite impact concerns?

Thanks

**Michael Shortell**  
Senior Lead Consulting Environmental Engineer



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**From:** Thein, Zaw <[ztt1@westchestergov.com](mailto:ztt1@westchestergov.com)>  
**Sent:** Wednesday, August 31, 2022 8:31 AM  
**To:** Shortell, Michael <[Michael.Shortell@wsp.com](mailto:Michael.Shortell@wsp.com)>  
**Cc:** Sal Misiti <[smisiti@northcastleny.com](mailto:smisiti@northcastleny.com)>; Cusack, Thomas <[Thomas.Cusack@wsp.com](mailto:Thomas.Cusack@wsp.com)>; Destefanis, Karen <[Karen.Destefanis@wsp.com](mailto:Karen.Destefanis@wsp.com)>  
**Subject:** RE: North Castle - School Street

Good Morning Mike:

This Department has no objection to the deepening of the Well 1-A at School St. Water System at WD #4. I would like to get full information on sequence of work. Please refer to the following questions below that are required to be addressed:

1. In order to perform the work for deepening of the well, the subject groundwater well will be taken out of service for significant amount of time. Please specify total amount of time you need this well to be offline with considerations given to the followings;
  - a. Specify schedule of work (e.g., fall, winter, spring, etc.) The work would be conducted during the process will begin late fall of 2022 into the winter of 2023.
  - b. the time needed for deepening, The deepening will require approximately one to two weeks.
  - c. following up with a comprehensive 72 hour yield testing ( including both onsite and offsite monitoring), The 72-hour yield test is expected to occur during the winter/spring of 2023, pending WCDOH approval of pumping test work plan and homeowner solicitation.

- d. full Part 5 sampling and turnaround time for receiving full sample results back **The Part 5 sample would be collected at the conclusion of the 72-hour pumping test. It is expected that the laboratory results would be provided to WSP within six weeks of submission of the water samples to the laboratory.**
  - e. Report submittal to this Department for review and getting authorization to placing the well back into service, etc. **The report would be submitted to the Health Department within one to two weeks after receipt of the laboratory results.**
- 2. And address how water system will continue meeting the demand while this well is out of service. **The water demand will be met with Well 2 and the IBM wells.**
  - 3. As already indicated in your report, this task may or may not resolve the PFAS issue (it could get worse also). With that in mind, I would like to know that the expected time frame to have the proposed treatment system designed and submitted to the Department for review. **If the well deepening does not result in a PFAS concentration that is less than the MCL, plans and specifications for the treatment system would be submitted to the Department within 8 to 10 weeks after obtaining the water quality results from the laboratory**

If you have sorted out all of those items above, please address them to me.

If you would like to have a discussion, please let me know when you would like to schedule. Currently my schedule is very tight. My next availability is tomorrow, 9/1 at 11:00AM. Next week does not look good.

Sincerely,  
Zaw

**Zaw T. Thein, P.E.**

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Westchester County Department of Health  
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**From:** Shortell, Michael <[Michael.Shortell@wsp.com](mailto:Michael.Shortell@wsp.com)>

**Sent:** Wednesday, August 31, 2022 6:31 AM

**To:** Thein, Zaw <[ztt1@westchestergov.com](mailto:ztt1@westchestergov.com)>

**Cc:** Sal Misiti <[smisiti@northcastleny.com](mailto:smisiti@northcastleny.com)>; Cusack, Thomas <[Thomas.Cusack@wsp.com](mailto:Thomas.Cusack@wsp.com)>; Destefanis, Karen <[Karen.Destefanis@wsp.com](mailto:Karen.Destefanis@wsp.com)>

**Subject:** North Castle - School Street

Hi Zaw

I was speaking with Sal yesterday and he mentioned you wanted to discuss the School Street

system. Please let me know when you have some time after September 6 and I will send a Teams invitation for a conference call. Karen and Tom are on vacation this week so I would prefer it to be next week.

Thanks

**Michael Shortell**

Senior Lead Consulting Environmental Engineer



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