

## Nyack Water Department

The New York State recommended treatment technology for the removal of per- and polyfluorinated substances is Granular Activated Carbon (GAC). As such, the Village has selected this as their treatment method. Equipment for GAC has a long lead time. These estimates are based on immediately receiving approval for submission of purchase orders for this equipment. Under a best-case scenario, this is a projected timeline to design, construct, and complete the project;

<b><u>Milestone</u></b>	<b><u>Duration</u></b>	<b><u>Initial Finish Date</u></b>	<b><u>Revised Finish Date</u></b> <sup>(1)</sup>
<b>Pre-Design</b>			
Deferral Application	4 Weeks	December 2020 (Complete)	December 2020 (Complete)
Preparation of Report	4 Weeks	January 2021 (Complete)	January 2021 (Complete)
Health Department Approval	6 Weeks	March 2021 (Awaiting Approval)	March 2022 (Complete)
<b>Detailed Design</b>			
Field work, survey, soil borings	4 Weeks	April 2021 (Complete)	April 2021 (Complete)
Design	20 Weeks	September 2021	November 2022 (In Progress)
Health Department Approval	6 Weeks	October 2021	February 2023
<b>Bidding Process</b>			
Advertise Period	4 Weeks	November 2021	March 2023
Award	2 Weeks	December 2021	March 2023
Contract Approval	4 Weeks	January 2022	April 2023
Construction	60 Weeks	March 2023	April 2024
Start-Up, Testing / Completed Work			
Approval	4 Weeks	April 2023	May 2024

(1) The initial project schedule shown above has been adjusted to allow for the longer than expected review period. Included on the following page is a project schedule which outlines the updated schedule overlain by the baseline schedule above. On March 4, 2022, the NYSDOH granted the Village of Nyack approval to proceed with detailed design of the treatment. The greater than expected approval process has caused the project to skew from its original timeline. However, the engineer has expedited the detailed design by performing the site survey, field work, and soil borings to allow for immediate commencement of design.

(2) On November 30, 2022, H2M (the engineer) submitted to the Rockland County Department of Health 60-percent design documents including design plans, technical specifications, DOH348 form, and NYSDOH Engineers Report Approval.