

Progress Update for Inc. Village of Garden City

Emerging Contaminant Treatment Systems

October 1, 2022

Waterworks Site

Well No. 7

Work Performed:

Well No. 7 has been running to system with AOP treatment since April 2021. The Well was shut down in the fall of last year due to reduced capacity. Investigation led to a probable issue with the well pump bowl and column assembly. Under an emergency repair, the well column assembly was pulled, and a hole was discovered in the column pipe. A new well pump and column assembly was installed. All NCDH required sampling was performed and well was put back into service in June 2022.

Well No. 7 is currently in operation running through the AOP treatment system.

Future Schedule:

Construction of the Permanent building enclosure has started.

Rockaway Avenue Site (Garden City Golf Club)

Well Nos. 8 and 12

Work Performed:

Performance testing is complete at Well No. 12 (August 2021).

Well No. 8 is ready for performance testing. Testing is held up due to the Village's need for the well to run to system. Performance testing will take place in November.

Construction has started on permanent building enclosures.

Well No. 12 was submitted for Completed Works Approval.

Future Schedule:

Well No. 8 performance testing will be completed in November 2022.

Well No. 8 will be submitted for Completed Works Approval in December 2022.

Permanent Construction of building enclosure will continue.

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(continued)**

Clinton Road Site

Well Nos. 10 and 11

Work Performed:

Well No. 11 has run to system since April 8, 2021. Permanent Treatment Building is completed.

Well No. 10 has run to system since September 1, 2021.

Wells have been shut down for the winter for the electrical upgrades to the site.

Well No. 11 has been rehabilitated.

Well Nos. 10 and 11 have been approved to run to system.

Well No. 10 was placed into service in June 2022

Well No. 11 was placed back into service in July 2022.

Future Schedule:

Punch list Items and completed works approval for entire project.

Country Club Site

Well Nos. 13 and 14

Work Performed:

Performance testing of AOP treatment system was completed in April 2021.

Approval of plans and specifications received from NYSDOH on July 9, 2021

Authorization to place AOP system into service received from NYSDOH on July 12, 2021.

The site is within Garden City Country Club Golf Course. The club requested a lower profile GAC enclosure building. New building foundation was constructed, larger vessels were installed and all piping connections were installed.

Building enclosure walls for GAC's is enclosed, currently working on roofing.

Future Schedule:

Permanent building construction is expected to be completed by December 2022.

Well No. 13 rehabilitation will start once completed works for the new GAC installation is approved and Well No. 14 is back in service through the AOP system.

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(continued)**

Hilton Park Site

Well Nos. 15 and 16

Work Performed:

System is ready for water. Village is preparing to start sampling.

Pneumatic valves for iron removal system are inoperable and repair was impractical. Electric actuated valves were ordered, and Village is waiting for delivery of valves.

Future Schedule:

New electrically operated valves will be installed, and all control work completed. Wells and iron plant will be disinfected and sampled. Stripping tower will be sampled and then AOP system will be disinfected and sampled.

Performance testing of AOP equipment is expected in March 2023.

Wilson Street Site

Well No. 9

Work Performed:

Engineering report for treatment at Well No. 9 was endorsed by the Nassau County Department on Health on September 17, 2021.

Design of new AOP/GAC treatment system and building continues.

Future Schedule:

Design of plans and specifications are being prepared and will be completed by October 2022. Construction estimated to start in Spring of 2023.

Well No. 9 remains in operation currently below the MCL's for 1,4-Dioxane, PFOA and PFOS.

Notes:

PFOA:	Perfluorooctanoic Acid
PFOS:	Perfluorooctanesulfonic Acid
MCL:	Maximum Contaminant Level
AOP:	Advanced Oxidation Process
GAC:	Granular Activated Carbon
PTA:	Packed Tower Aeration
ppb:	parts per billion
ppt:	parts per trillion
ND:	Non-detectable (below detection limits)