

**Progress Update for Inc. Village of Garden City**

**Emerging Contaminant Treatment Systems**

**April 1, 2023**

**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.

Construction of the AOP building enclosure is underway. The building is closed and watertight except for louvers and windows. The well will remain in service during construction.

**Future Schedule:**

Permanent building construction, especially electrical work will continue.

**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 still running to system.

Construction continues on permanent building enclosures. Buildings are closed and watertight except for windows and louvers. Electrical work has not yet begun.

Sampling for Well No. 12 has been completed and completed works and performance testing will be submitted to NYSDOH.

**Future Schedule:**

Well No. 8 performance testing will take place on April 4-5, 2023.

Well No. 8 and 12 will be submitted for Completed Works Approval in April 2023.

Permanent Construction of building enclosure will continue.

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**April 1, 2023  
(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 were 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 and roof for GAC's are completed.

All sampling for Well No. 14 has been submitted to allow back in service. Nassau County Health Department comments from site inspection are being addressed. Village will be ready for Well No. 14 to operate through AOP/GAC first week of April.

**Future Schedule:**

Permanent building construction is substantially complete.

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)**

Approval for Well No. 14 is expected first week of April. Well No. 13 is expected back in service by May 2023.

**Hilton Park Site**

**Well Nos. 15 and 16**

Work Performed:

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

Still waiting for delivery of remaining electrical actuated valves for iron removal system. Valves and new controls are being installed in anticipation of remaining 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 May 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 is being finalized and is currently in quality control and assurance review.

Future Schedule:

Contract documents are being finalized to bid in April 2023. Construction estimated to start in Summer of 2023 in a phased schedule, keeping the well online during the pumping season.

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)