

Progress Update for Inc. Village of Garden City

Emerging Contaminant Treatment Systems

July 1, 2021

Waterworks Site

Well No. 7

Work Performed:

Well No. 7 has been running to system with AOP treatment since April 2021.

Future Schedule:

Interim treatment for Well Nos. 8 and 12 is being constructed on same site as Well No. 7.

Permanent Building for Well No. 7 will be constructed once Interim Treatment at Well Nos. 8 and 12 is completed.

Rockaway Avenue Site (Garden City Golf Club)

Well Nos. 8 and 12

Work Performed:

AOP enclosures and UV reactors were installed on April 8, 2021.

All work within the Garden City Golf Club was completed.

Well No. 12 was rehabilitated, and the well pump and motor were replaced.

Site piping and interior mechanical piping at GAC treatment building and AOP treatment buildings have been installed.

Hydrogen peroxide tanks and pump skids were set in place.

Fiber optic control cable was installed between Waterworks Site through golf course to Plant 12B within the Garden City Golf Club.

Electrical power and control work has been ongoing.

Future Schedule:

Complete electrical work.

Complete all large and small piping connections.

Finish installation of all chemical treatment feed and monitoring equipment.

It is expected that performance testing for Well No. 12 will occur in August 2021.

Once system is approved by the health Dept., Well No. 12 will run through AOP treatment and blend with Well No. 8 raw water.

Well No. 8 performance testing will commence after Well No. 12 is approved, depending on the system demand for Well No. 8.

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**July 1, 2021
(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 constructed and weathertight.

Driveway was paved.

Well No. 10 rehabilitation was completed. Well and GAC's were sampled as per Nassau County Health Department requirements. Permission to run Well No. 10 to system was received on June 15, 2021.

Future Schedule:

Well No. 10 will be put in service with AOP treatment during the week of July 5, 2021. Village will continue sampling in accordance with NYSDOH's approval letter.

Exterior soffit and gutters will be completed. Well No. 11 and new electric service will not commence until Fall of 2021.

Abandoned equipment at Well No. 10 will be removed and heater re-installed in pump room.

The total project, including all electrical upgrades, new generator, etc. is expected to be completed by April 2022

Country Club Site

Well Nos. 13 and 14

Work Performed:

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

Future Schedule:

Waiting for approval of plans from New York State and Nassau County Health Departments and for permission to run the wells to system.

Design of permanent construction including a new building enclosure for the GAC vessels, automatic blow-offs at each well and well rehabilitations and/or restaging, will continue and is expected to be completed by September 2021.

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

Well rehabilitations will be started in October 2021 after the peak pumping season. Rehabilitation of the wells is expected to be completed by March 2022.

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**July 1, 2021
(continued)**

Hilton Park Site

Well Nos. 15 and 16

Work Performed:

Carbon adsorber vessels and packed tower aeration system have been set in place. Building construction has continued with the construction of block walls, steel tower framing and roof trusses. Brickwork is being placed.

Future Schedule:

Construction will continue with completion of building walls and roof.

UV reactor and all associated analyzers and equipment is expected to be delivered and installed in August 2021.

Performance testing of AOP equipment is expected in September 2021.

A plan for using Well No. 16 without the AOP treatment system will be established for emergency peak demand use if the treatment system does not yet receive Health Department approval.

Wilson Street Site

Well No. 9

Work Performed:

Engineering report for treatment at Well No. 9 was submitted to the New York State Department of Health on May 20, 2021.

Future Schedule:

Plans and specifications for a treatment facility at Well No. 9 will be prepared in case the levels of 1,4-Dioxane or perfluorinated compounds increase.

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)