

Progress Update for Inc. Village of Garden City

Emerging Contaminant Treatment Systems

April 1, 2021

Waterworks Site

Well No. 7

Work Performed:

Received approval to run Well No. 7 to system. Flushed GAC vessels to lower existing GAC effluent 1,4-Dioxane level to less than 1 ppb.

Future Schedule:

Well will be in service with AOP treatment for the week of April 5, 2021. Village will continue sampling in accordance with NYSDOH's approval letter.

Rockaway Avenue Site (Garden City Golf Club)

Well Nos. 8 and 12

Work Performed:

AOP/GAC treatment plant will be placed at the Village's Waterworks site.

Water Mains for Well No. 8 and 12 were designed to transmit water through the Garden City Golf Club to the new treatment plant location.

Design of interim treatment system plans and specifications were completed.

Water transmission mains sending raw water from Well Nos. 8 and 12 within the Garden City Golf Club to the Waterworks site have been installed.

Foundations for treatment equipment have been placed.

GAC vessels for both wells were installed on March 30, 2021.

Future Schedule:

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

All piping and electrical work will continue.

It is expected that performance testing for Well No. 12 will occur in May 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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**April 1, 2021
(continued)**

Clinton Road Site

Well Nos. 10 and 11

Work Performed:

Received approval to run Well No. 11 to system.

Well No. 10 was rehabilitated and cleaned, and the well seal was raised to the appropriate elevation. Well No. 10 well pump and motor were installed.

Future Schedule:

Well No. 11 will be in service with AOP treatment for the week of April 5, 2021. Village will continue sampling in accordance with NYSDOH's approval letter.

Well No. 10 electrical work and piping work will continue and be completed by the end of April.

Once Well No. 10 is activated, sampling for Well No. 10's treatment train will commence. Upon receiving satisfactory sampling results, the Village will request permission to run Well No. 10 to system. We expect to run Well No. 10 to system in May 2021.

Brick work and exterior finish work on the treatment building will continue. Well No. 11 and new electric service will not commence until Fall of 2021.

Country Club Site

Well Nos. 13 and 14

Work Performed:

Engineering Report and Interim Treatment plans and specifications were submitted to New York State Department of Health and Nassau County Department of Health.

Interim construction work on treatment systems was completed. GAC vessel piping manifolds were replaced and granular activated carbon was replaced.

AOP treatment system was checked and verified by manufacturer and engineer.

Future Schedule:

Performance testing of both wells will take place in April.

Pending Health Department Approvals, we expect to receive permission to operate to system in May 2021.

Site work will continue.

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

Permanent building construction is expected to be completed by March 2022 (well rehabilitations cannot be performed until October 2021 after the peak pumping season).

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**April 1, 2021
(continued)**

Hilton Park Site

Well Nos. 15 and 16

Work Performed:

Construction on new AOP/GAC and packed tower aeration treatment plant commenced.

Building foundation, clearwell walls and roof have been constructed.

Future Schedule:

Construction will continue with completion of concrete work.

GAC vessels, Packed tower aerator and UV equipment is expected to be installed in May 2021. Completion of the building is expected in June 2021.

Performance testing of AOP equipment is expected in June 2021.

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

Wilson Street Site

Well No. 9

Work Performed:

Engineering report for treatment at Well No. 9 was finalized.

Future Schedule:

Engineering report will be submitted to New York State Department of Health and Nassau County Health Department in April 2021.

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)