

**Progress Update for Inc. Village of Garden City  
Emerging Contaminant Treatment Systems  
April 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 ordered.

**Future Schedule:**

The new Well pump bowl assembly will be installed by middle of May 2022 and the well will be put back into operation.

Interim treatment for Well Nos. 8 and 12 is constructed on same site as Well No. 7. Permanent Building for Well No. 7 will be constructed as part of the Well Nos. 8 and 12 Final Permanent Construction. This project will be bid in May 2022. This will not affect the operation of Well No. 7.

**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 was held up due to shutting GAC's down for the winter.

Final design for permanent treatment buildings were completed.

**Future Schedule:**

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

Well No. 12 will be submitted for Completed Works Approval in April 2022.

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

Well No. 8 and Well No. 12 GAC and AOP building enclosures will be bid in May 2022. Well No. 7 AOP enclosure is also part of this Contract. These building enclosures will have no effect on the operation of Well Nos. 7, 8 or 12.

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**April 1, 2022  
(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.

Waiting for PSE&G to de-energize and replace transformer to the site.

**Future Schedule:**

Work for new electric service and motor control centers is underway. Work was held up waiting for PSE&G to de-energize transformer. This work will occur on April 13, 2022. It is expected that the remainder of the electrical work can be completed by mid-May at which time the wells will be back in operation.

**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. The Village has started construction of a new basement foundation for the GAC vessels which consists of removing and re-installing the vessels and re-connected the piping. In addition, the Village decided to install new larger vessels due to the age of the existing vessels and for improved treatment.

**Future Schedule:**

Permanent construction including installing larger GAC vessels has commenced and is expected to be completed for operation by May 2022.

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

Well No. 13 rehabilitation will start in September 2022. Rehabilitation of the well is expected to be completed by March 2023.

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**April 1, 2022  
(continued)**

**Hilton Park Site**

**Well Nos. 15 and 16**

**Work Performed:**

Interior work is substantially complete.

Delays with PSE&G work caused a delay in completing electrical work on site.

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

**Future Schedule:**

Wells and iron plant will be disinfected and sampled. Stripping tower will be sampled and hen AOP system will be disinfected and sampled.

Performance testing of AOP equipment is expected in May 2022.

**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.

Geotechnical investigation and survey of the site has been completed.

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 July 2022. Construction estimated to start in Fall of 2022.

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)