



Station 20, Well 20

Evergreen Avenue, New Hyde Park, N.Y.

Status: February 2021 Out of Service

NYS Allowable levels:

- I,4 – dioxane (1 part per billion)
- PFOS (10 parts per trillion)
- PFOA (10 parts per trillion)

Most Recent Raw Water Test Results:

- I,4 – dioxane (.330 parts per billion)
- PFOS (10.6 parts per trillion)
- PFOA (11.6 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon (“GAC”) vessels to remove PFOS/PFOA.

Phase I Construction Project Chronological Progress:

- May 2020 Pilot Study Performed
- August 2020 Pilot Study Report Sent to NYS Department of Health (“NYSDOH”)
- October 2020 Full Site Engineering Report Complete and Sent to NYSDOH
- November 2020 Project Plans and Specifications Complete and sent to NYSDOH
- December 2020 Construction Start Date with Estimated Completion Date of April 2021
- March 15, 2021 GAC Vessels Expected to Arrive
- May 2021 Estimated Well Startup and Completed Works Approval

Estimated Regulatory Approvals Dates:

- Pilot Study Report March 2021
- Full Engineering Report April 2021
- Approval of Overall Project May 2021

Phase 2 Construction Project Permanent Building and Site Work Chronological Progress:

- January 2021 Design of Permanent GAC Building
- March 2021 Estimated Bid Date
- June 2021 Estimated Construction Start Date



Station 28, Well 28 Miriam Parkway, Elmont, N.Y.

Status: February 2021 In Service

NYS Allowable levels:

1,4 – dioxane (1 part per billion)

PFOS (10 parts per trillion)

PFOA (10 parts per trillion)

Most Recent Raw Water Test Results:

1,4 – dioxane (.020 parts per billion)

PFOS (4.2 parts per trillion)

PFOA (12.5 parts per trillion)

Most Recent Treated Water Test Results:

1,4 – dioxane (NA parts per billion)

PFOS (<1.9 parts per trillion)

PFOA (<1.9 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon (“GAC”) vessels to remove PFOS/PFOA.

Phase 1 Construction Project Chronological Progress:

November 2019 Full Site Engineering Report Complete and Sent to NYSDOH

November 2019 Project Plans and Specifications Complete and sent to NYSDOH

December 2019 Construction Start Date with Estimated Completion Date of May 2020

June 2020 Estimated Well Startup and Completed Works Approval

Regulatory Approvals Dates:

Full Engineering Report March 2020

Approval of Overall Project June 2020

Phase 2 Construction Project Temporary Fabric Enclosures:

January 2021 Enclosure Installation Started

February 2021 Enclosure Installation Complete

*** Well 28 running to system through new treatment. Water quality is in compliance with all NYSDOH Standards



Station 35, Well 35A Cisney Avenue, Floral Park, N.Y.

Status: February 2021 In service

NYS Allowable levels:

1,4 – dioxane (1 part per billion)

PFOS (10 parts per trillion)

PFOA (10 parts per trillion)

Most Recent Raw Water Test Results:

1,4 – dioxane (.640 parts per billion)

PFOS (9.9 parts per trillion)

PFOA (9.9 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon (“GAC”) vessels to remove PFOS/PFOA and installation of Ultraviolet Advanced Oxidation Process (“AOP”) to remove 1,4 – dioxane.

Phase I Construction Project Chronological Progress:

April 2020 Pilot Study Performed

August 2020 Pilot Study Report Sent to NYS Department of Health (“NYSDOH”)

October 2020 Full Site Engineering Report Complete and Sent to NYSDOH

December 2020 Project Plans and Specifications Complete and sent to NYSDOH

January 2021 Construction Start Date with Estimated Completion Date of May 2021

March 2021 GAC Vessels Expected to Arrive

March 2021 AOP Enclosure Expected to Arrive

April 2021 AOP Equipment Expected to Arrive

June 2021 Estimated Well Startup and Completed Works Approval

Estimated Regulatory Approvals Dates:

Pilot Study Report March 2021

Full Engineering Report April 2021

Approval of Overall Project June 2021

Phase 2 Construction Project Permanent GAC Building and Site Work Chronological Progress:

January 2021 Design of Permanent GAC Building

April 2021 Estimated Bid Date for Permanent GAC Building

July 2021 Estimated Construction Start Date for Permanent GAC Building

Phase 3 Construction Project Demolition of Existing Well House to Raise Wells and Site Rehabilitation Work:

Project will start following the installation of all Water Authority wellhead treatment for emerging contaminants for all Water Authority impacted wells.

Note: Well 35 at this site is out of service due to high levels of iron.



Station 40, Wells 40 & 40A (Headquarters Site) Union Turnpike, New Hyde Park, N.Y.

Status: February 2021 In service

NYS Allowable levels:

1,4 – dioxane (1 part per billion)

PFOS (10 parts per trillion)

PFOA (10 parts per trillion)

Most Recent Raw Water Test Results:

Well 40

1,4 – dioxane (.460 parts per billion)

PFOS (3.9 parts per trillion)

PFOA (9.4 parts per trillion)

Well 40A

1,4 – dioxane (.980 parts per billion)

PFOS (5.8 parts per trillion)

PFOA (10.6 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon (“GAC”) vessels to remove PFOS/PFOA and installation of Ultraviolet Advanced Oxidation Process (“AOP”) to remove 1,4 – dioxane.

Phase I Construction Project Chronological Progress:

April 2020 Pilot Study Performed

August 2020 Pilot Study Report Sent to NYS Department of Health (“NYSDOH”)

*Water Authority is awaiting NYSDOH comments on Pilot Study.

Available space for wellhead treatment at this site is an obstacle to preparing the full engineering report and to prepare project design and specifications.

In December 2020 the Water Authority acquired one section of property adjacent to this well station. The Water Authority has begun action to acquire a second property adjacent to this site which will provide adequate space for the installation of new wellhead treatment systems.

The Water Authority is exploring the feasibility of blending treatment to meet current regulatory standards for this site.



Station 44, Wells 44, 44A, 44B, 44C Chelsea Street, Elmont, N.Y.

Status: February 2021 In service

NYS Allowable levels:

1,4 – dioxane (1 part per billion)
PFOS (10 parts per trillion)
PFOA (10 parts per trillion)

Most Recent Raw Water Test Results:

Well 44

1,4 – dioxane (<.020 parts per billion)
PFOS (9.5 parts per trillion)
PFOA (14.0 parts per trillion)

Well 44A

1,4 – dioxane (.067 parts per billion)
PFOS (20.8 parts per trillion)
PFOA (11.7 parts per trillion)

Well 44B

1,4 – dioxane (.030 parts per billion)
PFOS (11.9 parts per trillion)
PFOA (16.7 parts per trillion)

Well 44C

1,4 – dioxane (.033 parts per billion)
PFOS (12.6 parts per trillion)
PFOA (17.8 parts per trillion)

Most Recent Treated Water Test Results:

Well 44/44A

1,4 – dioxane (NA parts per billion)
PFOS (<2.0 parts per trillion)
PFOA (<2.0 parts per trillion)

Well 44B/44C

1,4 – dioxane (NA parts per billion)
PFOS (<1.9 parts per trillion)
PFOA (<1.9 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon (“GAC”) vessels to remove PFOS/PFOA.

Phase 1 Construction Project Chronological Progress:

September 2019 Full Engineering report complete and sent to NYSDOH

November 2019 Project design and specifications complete and sent to NYSDOH

December 2019 Project Construction begins

January 2020 Calgon Carbon column testing performed

Actual Regulatory Approval Dates:

Full Engineering Report March 2020

Design Approval April 2020

Approval of Overall Project in Service May 2020

Phase 2 Construction Project Temporary Fabric Vessel Enclosures:

December 2020 Construction of Fabric tent enclosures around 2 sets of vessels

January 2021 Tent Enclosures are Complete

Phase 3 Construction Project Permanent Treatment Buildings, Raising Wells and full site Rehabilitation:

August 2021 Design and Specifications for Public Bidding

October 2021 Construction starts

***Wells 44, 44A, 44B and 44C running to system through new treatment. Water quality is in compliance with all NYSDOH Standards.



Station 57, Wells 57, 57A South 6th Street, New Hyde Park, N.Y.

Status: February 2021 Out of Service

NYS Allowable levels:

- I,4 – dioxane (1 part per billion)
- PFOS (10 parts per trillion)
- PFOA (10 parts per trillion)

Most Recent Raw Water Test Results (last test October 2020):

Well 57	I,4 – dioxane (14.5 parts per billion)
	PFOS (7.9 parts per trillion)
	PFOA (68.7 parts per trillion)
Well 57A	I,4 – dioxane (11.9 parts per billion)
	PFOS (4.8 parts per trillion)
	PFOA (61.9 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon (“GAC”) vessels to remove PFOS/PFOA and installation of Ultraviolet Advanced Oxidation Process (“AOP) to remove I,4 – dioxane.

Phase I Construction Project Chronological Progress of Full Site Rehabilitation:

December 2016 Acquired property adjacent to this site

September 2018 Pilot Study Performed

March 2019 Pilot Study Report Sent to NYS Department of Health (“NYSDOH”)

June 2019 Full Engineering report complete and sent to NYSDOH

January 2020 Project design and specifications complete and sent to NYSDOH

October 2020 Project Construction begins with Estimated Completion Date of October 2021

Estimated Regulatory Approval Dates:

- Pilot Study Report July 2019
- Full Engineering Report May 2020
- Approval of Overall Project October 2021

This project includes a full site rehabilitation including demolition of all existing buildings, raising wells, new air stripper tower, new emergency generator, replacement of all water assets and appurtenances and new wellhead treatment for the removal of emerging contaminants.