

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Manisha Juthani, MD
Commissioner



Ned Lamont
Governor
Susan Bysiewicz
Lt. Governor

Drinking Water Section

ACKNOWLEDGEMENT OF PROJECT COMPLETION AND PROJECT CLOSURE

August 26, 2022

Mr. Jonathan Luiz
56 Norfield Rd
Weston, CT 06883

Public Water System/Applicant: WESTON SCHOOLS AND MUNICIPAL BUILDINGS
PWS ID (if applicable): CT1570132 **DPH Project #:** 2022-0085
Project Location: WESTON, CT

Project Name: PFAS Removal – GAC filters

Date of Project Submission: Revised application received on August 6, 2022 with clarification submittal on vessels received on August 10, 2022 (original submittal was June 3, 2022 followed by a meeting on June 28, 2022 and requests for additional information).

Project Description:

The installed GAC system is sized for 20 gallons per minute (gpm) flow (flow is restricted since this is substantially less than well capacity) and provides a minimum of 10-minute Empty Bed Contact Time (EBCT) in each set of filters (for redundancy). The operator reports that the system can produce 29,000 gallons per day (gpd) which exceeds the reported Average Day Demand of 16,000 gpd.

The equipment is as follows:

- Each filter vessel is 24" diameter and 72" depth, capacity 15.9 cubic feet each. Filters are Aquatrol brand, NSF-listed.
- Carbon is ResinTech AGC-40 AW bituminous activated carbon, NSF listed.
- PVC schedule 80 pipe and valves, AWWA certified.
- Sampling taps to be smooth-nose type (raw, in between filters and treated)



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The two banks of filters banks are piped to provide a 20-gpm service flow (split between two filters each with 10 gpm flow restrictor and meter). The valving enables either Bank 1 or Bank 2 to be Lead or Lag. They can also be serviced without interruption of water treatment. Each vessel has valves to allow for servicing. Each vessel has its own water meter so that flow rates can be verified. As noted, each vessel has its own 10 gpm flow restrictor. There is a removable spool piece to prevent potential bypass of the system.

Based on the following items, the Approval for Construction and Installation of Water and Treatment Works dated August 12, 2022, and documents on record for this project, the project is acknowledged as being completed.

- (X) Receipt of a Certification of Completed Water or Treatment Works Construction/Installation form, dated August 26, 2022.
- (X) An inspection conducted by myself on August 25, 2022 with additional photos received on August 26, 2022.
- (X) Submission of water quality test results meeting Regulations of Connecticut State Agencies.

This letter also serves as a record of project closure and project activation. Any changes to your system that are a result of this project will be added to our inventory database as warranted.

If you have any questions regarding this letter, please feel free to contact me at 860-509-7333.

Sincerely,



Vicky Carrier, P.E.
Sanitary Engineer 3
Drinking Water Section

TC

cc: Mr. Mark Cooper, Director of Health (publichealth@wwhd.org)
Mr. Ron Black, Certified Operator