

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

June 20, 2024

MR. DANIEL WATSON
290 GREENWICH AVE
GREENWICH, CT 06830

Public Water System (PWS)/Applicant: PARKWAY SCHOOL
PWS ID (if applicable): CT0570212
Project Location: GREENWICH, CT

DPH Project #: 2023-0158

Project Name: PFOA Removal - Parkway School

Date of Project Submission: September 11 and 15, 2023 with additional information last received October 19, 2023; *Additional information (substitute vessels) received on April 12 and 15, 2024.*

Project Description: Granular Activated Carbon (GAC) Vessels to remove elevated PFOA (to be installed after an existing softener but before existing pH injection) before atmospheric storage tank. Piping to be schedule 80, NSF-listed. The treatment system is housed in an addition to the walk-in pump house. Water quality suitability for carbon treatment was verified with sampling conducted on September 26, 2023, with results received subsequently. The treatment system was for a flow rate of 14 gallons per minute- gpm (2 wells at 7 gpm each). Usage at the school is being reported as 2500 gallons per week (equivalent to 357 gallons per day- gpd).

Project consisted of the following:

- Four carbon vessels (non-backwashing, flow is split between two lead filters in parallel which is then in series with another set of parallel carbon vessels to achieve a minimum of 10 minutes Empty Bed Contact Time). Vessels are Pentair 24X65 at 13.4 cubic feet– NSF Listed. Carbon is ResinTech AGC-40 XA, NSF-listed (bituminous-based, mesh size of 12X40, Iodine number of >850)
- Empty Bed Contact Time (EBCT) calculations provided by CT WinnPump indicate that 10.68 minutes of contact time (*remains the same*) is provided in each pair of redundant parallel vessels. *Filter loading rate is 4.5 gpm/square feet.*
- Appropriate water meters (Badger), valves and smooth-nosed sampling taps are provided.
- The carbon system will be followed by a Viqua Pro-20 (NSF-listed) ultraviolet disinfection unit.



Phone: (860) 509-7333 • Fax: (860) 509-7359
Telecommunications Relay Service 7-1-1
410 Capitol Avenue, P.O. Box 340308, MS#12DWS
Hartford, Connecticut 06134-0308
www.ct.gov/dph/publicdrinkingwater

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Project Description:

Based on the following items, the Approval for Construction and Installation of Water and Treatment Works dated November 1, 2023, 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 June 17, 2024.
- (X) Photos received via email on June 17, 2024.
- (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.

As a reminder, this is testing frequency noted in the Approval to Construct document:

Treatment System Monitoring:

1. Immediately after filter installation-Water from the raw and both treated taps should be sampled and analyzed for bacteriological and PFAS compounds.
2. During filter operation until breakthrough (chemical detected in filtered water)-The raw and first treated tap must be sampled and analyzed for bacteriological and organic chemical parameters according to the following frequency:
 - a. Raw- Annually
 - b. Treated (after first filter) – Quarterly
3. After filter replacement - The second treated tap (after both filters) should be sampled and analyzed for bacteriological and organic chemical parameters. The raw and first treated tap must be sampled according to a frequency to be determined based upon a review of the data collected according to 2a, b, and c above.

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

Sincerely,



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

TC

Cc: Mr. Brian Lemke, Certified Operator
Ms. Patricia Bisacky, CT DPH- ECU
Ms. Anne Ewert, CT DPH RIU
Ms. Caroline Baisley, DOH
Mr. William Sullivan, Operator Certification



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