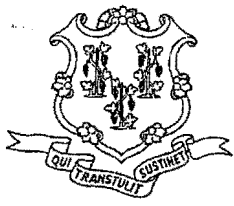


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STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

APPROVAL FOR CONSTRUCTION OR INSTALLATION OF WATER AND TREATMENT WORKS

DPH Project #: 2009-0339

Date: 1/14/2011

Date of Project Submission: January 11, 2011

Contact Name: Susan Viccaro
Address: Po Box 190
135a Pickett Road
Durham, CT 06422-0190

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MILONE AND MACBROOM

Public Water System/Applicant: Frederick Brewster School
PWSID (if applicable): CT0380482
Project Location: Durham, CT

DWSRF ID #: Not applicable
DPUC Docket #:

Project Name: Regional School District #13 Onsite Water Supply System-Installation of New Storage Tanks and Transfer Pumps, Relocation of Arsenic Treatment and Connection of New Wells

Project Description: The water system at Frederick Brewster School in Middlefield, CT consists of one bedrock well (Well 1) believed to pump between 10 and 50 gallons per minute (gpm). The water system was installed in 1955. Since that time, the requirements for public water supply wells in regards to construction and location relative to potential pollutions sources have been revised.

The CTDPH performed a Sanitary Survey of the water system at Memorial Middle School on June 29, 2007. In al letter dated September 14, 2007 to Susan Viccaro, Superintendent of Regional School District #13, DPH noted several regulatory viiolations concerning the location of the water supply.

Regional District #13 has retained Milone and MacBroom, Inc (MMI) of Cheshire, CT to be its engineering consultant throughout the water system upgrade. The subject of this approval is as follows:

- Connecting Well#4 as active source
- Connecting Well#2 as a standby source
- Two new 1,500-gallon atmospheric storage tanks
- Dual transfer pumps (15 gpm) to 3 bladder storage tanks (Well-X-Trol 350 or equivalent)
- Relocation of arsenic removal treatment system (previously approved)
- Water meters, sampling taps and associated appurtenance

Upgrades to Well#1 are also proposed as part of the project.

This project is approved for construction or installation in accordance with the following terms:

- 1) This project is approved for construction based on the project being constructed in accordance with the plans and specifications dated January 10, 2011 and the Department of Public Health's (DPH) terms stated

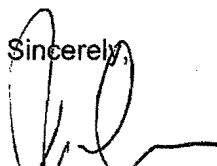
Phone: (860) 509-7333
Telephone Device for the Deaf (860) 509-7191
410 Capitol Avenue - MS # 51WAT
P.O. Box 340308 Hartford, CT 06134
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herein. Any substantial deviation from the approved design must be reviewed and approved by the DPH in accordance with Section 19-13-B102(d)(2) of the Regulations of Connecticut State Agencies (RCSA). Failure to do so may result in an enforcement action and possible reconstruction of the project to conform to the DPH's approved design.

- 2) This project approval is void 12 months after the date of this project approval if construction has not started. If no construction is started, the DPH must be notified and re-approval from the DPH must be sought and obtained.
- 3) All work implemented for this project must be effectively disinfected pursuant to Section 19-13-B47 of the RCSA. Upon completion of the project and prior to placing into active use, the water must be sampled and tested for at least total coliform bacteria to verify that the work completed was effectively disinfected. Additionally, since the project includes a paint system or installation of components that may release organic chemicals, testing for organic chemicals is also being required [include sentence for specific project]. Test results must be in compliance of Section 19-13-B102e of the RCSA and be submitted to the DPH.
- 4) After construction/installation is completed for this project and prior to placing the project into active use, a *Certification of Completed Water or Treatment Works Construction/Installation* form must be completed and submitted to the DPH. The form is available on the DPH's website.
- 5) The DPH must be contacted to make arrangements for an inspection prior to active use upon submission of the *Certification of Completed Water or Treatment Works Construction/Installation* form.
- 6) The project should not be placed into active service until an Acknowledgement of Project Completion and Project Closure document is received from DPH.
- 7) If vertical crossing distances cannot be met, then this office recommends that sleeving be considered in lieu of concrete encasement.
- 8) This office recommends that Well#3 (currently not proposed to be connected to the system) be fitted with a watertight well cap with a suitable plug where the electrical conduit would enter the well cap

If you have any questions regarding this letter, please feel free to contact me.

Sincerely,



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

Cc: Mr. David Murphy, Milone and MacBroom
99 Realty Drive, Cheshire, CT 06410
Mr. Rob Francis, RSD#13

