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Mass. Reg. No. 11402
N. H. Reg. No. 4704

Aug. 31, 1992

Williamstown Fire District
34 Water Street
Williamstown, MA 01267

Att: Edward M. McGowan, Fire Chief
Re : Underground Storage Tanks installed at Mt.
Greylock Regional School District

The following is being submitted for the certification/
completion of the tank installation.

The underground storage tanks installed at the location
are (2) 10,000 gallons, (1) 1,000 gallons double-wall
fiberglass tanks Model DWT, Type II with 360° inter-
stitial containment, manufactured by Owen Corning, Toledo,
Ohio.

The tanks arrived on site by transport trucking.

The tanks were exterior inspected for damages in trans-
port. Tanks were accepted on arrival.

The above tanks are to replace (2) 10,000 gallons, (1)
1,000 gallons, (1) 300 gallons single wall tanks,
located in the area adjacent to the east side of the
school building.

These tanks were installed approximately 32 years ago.

The facilities has a deep well used for water service in
the building, located approximately 50 feet from the
tank location. Caution was taken to prevent any disturb-
ance of the well and its auxillary equipment.

In accordance to good engineering practice, a 3 inch
PVC pipe was located approximately 12 inches from each
end of the tank, with the ends of the PVC pipe buried
2 feet below the bottom pad, (water table) with hand
hole plates monitoring wells which will be permanent in
the future.

The excavation was made to a depth of approximately 14
feet with reaching into the water table.

The interstitial and sump detection is a Gilbarco external sensor system, manufactured by the E.M.C. including 8 sensors for monitoring of the system, with the panel located in the boiler room, which monitors interstitial and containment piping from the tank to the building.

The tank fill is equipped with 15 gallons of OPW, 61-50 containments, including a 4 inch diameter drop tube with valve assembly to close at 90% of the tank capacity.

The vent system is connected from the tank with a OPW vent extractor assembly, set at approximately 95% capacity with the vent pipe extending 12 feet up the building wall, terminating with a vent opening.

The tank is also equipped with an overfill alarm, and light installed over the door of the boiler room to alert oil delivery personnel of tank overfill.

The panel in the boiler room and overfill alarm are equipped with test and reset manual buttons.

It is recommended that regular schedule of testing the above devices be initiated.

The fuel oil supply and return lines are 2 inch diameter red thread fiberglass pipe, placed inside of a 3 inch diameter thread pipe, to form a double containment pipe.

The piping and connections are attached with the proper adhesive with clam shell fittings at the joints of the outer pipe, including gromets (Boot) at the end of the pipe, to obtain a tight pipe containment from the tank to the boiler room.

The FOS - FDR lines and entire system were placed under a 5 PSI air pressure, with all joints swathed with soap solution to test for tightness of the pipe joints.

The electrical system is installed in accordance to Local, State and National Electrical Code.

The fuel level gauge is equipped with a hand pump for direct reading in gallons, that is contained in the tank.

A tightness test of the complete system is required under the Massachusetts CMR, 527, Section 9:00 was performed for each tank.

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The top pad consists of 12 inches thick of 3,000 pounds concrete with No. 4 rebar on 12 inch centers each way to extend approximately 1 ft. past the end and length of the tanks.

The above is adequate to support the traffic in this area.

The 4 single wall steel tanks were removed and the useable fuel was collected and sold to the oil contractor.

The tanks were cleaned and purged by licensed disposal contractors, using a vacuum truck prior to delivery of the tanks to a disposal yard.

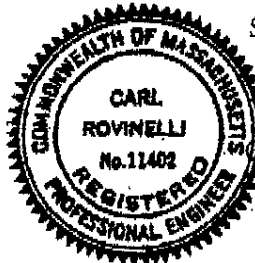
The receipts of the disposal tanks were submitted to the Chief of the Williamstown Fire District.

The installation contractor C & S Construction, Co., Inc., Kingston, New Hampshire has completed the project in a good workmanship manner in accordance to codes and regulations of the Town of Williamstown, and Massachusetts 527 - CMR, Section 9:00.

The above project has been completed under the jurisdiction of the local Fire Department, with Fire Chief Edward McGowan witnessing and approving each phase of the installation project.

I have been engaged as Project Engineer and have been personally involved with the approval of each phase of the project, and certify to the best of my knowledge that the underground tanks installed at Mt. Greylock Regional School District, 1781 Cold Spring Road, Williamstown, Massachusetts, have been installed in accordance to the Codes and Regulations of the Town of Williamstown, and the Massachusetts CMR - 527, Section 9:00.

Sincerely,



8/15/02 *Carl Rovinelli* P.E.
Carl Rovinelli, P.E.

CR/jmr