

SECTION 02554

FUEL OIL DISTRIBUTION

PART 1 - GENERAL

1.1 PROJECT INCLUDES

- A. Fuel oil storage tanks, fuel oil specialties, and oil distribution piping outside the building.

1.2 QUALITY ASSURANCE

- A. Compliance: NFPA 31, EPA requirements, New Hampshire Department of Environmental Services, Env-Wm 1401.

1.3 WARRANTY

- A. Underground Fuel Oil Storage Tank and Piping System Warranty: 30 years.

1.4 DESIGN DIRECTIVES

- A. The use of underground oil storage tanks and piping systems is strongly discouraged. Where piping systems are considered, consult with DC- FO&M Engineering for consultation.

PART 2 - PRODUCTS

2.1 MATERIALS

A. PIPING SYSTEM WORKING PRESSURES:

1. Aboveground Fuel Oil Piping: 150 psig.
2. Underground Fuel Oil Piping: 150 psig.
3. Vent, Gage, and Fill Piping: 100 psig.
4. Fuel Oil Storage Tanks: 5 psig.
5. Fuel Oil Storage Tank, Outer Containment Shell Walls: 5 psig.
6. Containment Conduit Piping System, Carrier Pipe: 150 psig.
7. Containment Conduit Piping System, Containment Conduit: 5 psig.

B. STORAGE TANKS:

1. All tanks shall be double wall.
2. Tanks shall be equipped with overflow prevention devices.

1. All piping systems shall be double wall draining back to a water-tight sump.
2. Leak Detection and Monitoring: UL-listed, calibrated leak detection and monitoring system and liquid-level gage system with probes, sensors, and remote alarm panel.

PART 3 - EXECUTION (Not Used)

END OF SECTION 02554