

APPENDIX C

INSTALLATION AND TESTING OF OIL (LIQUID) FUEL-FIRED EQUIPMENT

C.1.0 General. Appendix C governs the installation, testing, or repair of oil or liquid fuel burners, oil-or liquid-fuel burning systems, oil-or liquid-fuel-burning equipment, and the oil-or-liquid fuel piping systems used in connection with buildings or structures and equipment within the property lines of the premises.

Definitions

ANTI-FLOODING DEVICE – A primary safety control that causes the flow of oil or fuel to be shut off after a rise in oil or fuel level, or after receiving excess oil or fuel, and that operates before the hazardous discharge of oil or fuel can occur.

BURNER, AUTOMATICALLY IGNITED – A burner equipped so that main burner fuel may be turned on and ignited automatically.

BURNER, MANUALLY IGNITED – A burner equipped so that main burner fuel is turned on only by hand and ignited under supervision.

BURNER, MECHANICAL DRAFT TYPE – A burner that includes a power-driven fan, blower, or other mechanism as the primary means for supplying the air for combustion.

BURNER, NATURAL DRAFT TYPE – A burner that depends primarily on the natural draft created in the chimney or venting system to induce air required for combustion into the burner.

CONSTANT LEVEL VALVE – A device for maintaining within a reservoir a constant level of oil or fuel for delivery to a burner.

CONTROL LIMIT – An automatic safety control that is responsive to changes in fluid flow or level, pressure, or temperature, and that is normally set beyond the operating range for limiting the operation of the controlled equipment by shutting off the energy supply.

CONTROL SAFETY – Automatic interlock controls, including relays, switches, and other auxiliary equipment used in conjunction with them, to form a safety control system that is intended to prevent unsafe operation of the controlled equipment.

DRAFT BOOSTER – A power-operated fan, blower, or other device installed in the chimney connector to increase the natural draft developed in the connected chimney.

DRAFT REGULATOR, BAROMETRIC – A device built into a fuel-burning appliance or made part of a chimney connector or vent connector that functions to reduce excessive draft through an appliance to a desired value by admitting ambient air into the appliance chimney, chimney connector, vent, or vent connector.

FUEL – Natural, manufactured, or liquefied petroleum gas, or a mixture of these gases; all grades of fuel oil; wood; or any other combustible or flammable material or any mixture of combustible or flammable materials.

FUEL BURNER – A device used to convey the appropriate fuel into the combustion chamber zone in close proximity to its primary and secondary air supply to permit a stable controlled heat release compatible with the burner design, listing, and applicable approvals in a boiler, furnace, device or appliance. It includes, but is not limited to, burning oil or liquid fuel.

FUEL BURNER SYSTEM – The fuel burner and any conveyance system or piping system for the purpose of introducing the appropriate fuel into the combustion chamber zone.

FUEL-BURNING EQUIPMENT/APPLIANCE – An oil or fuel burner of any type including all oil or liquid fuel burners, oil, or liquid-fuel-fired-units, dual, or multifuel burners and heating and cooking appliances with their fuel burner system and with their tank or fuel storage system, piping system, vent connectors, vent flues, fans, blowers, valves, control devices, combustion air, wiring, controls, and related devices including all accessories and appurtenances for safe and proper operation of the appliance.

FUEL OIL – Any hydrocarbon oil as specified by ASTM D396, or the Canadian Government Specification Board, 3-GP-28, and having a flashpoint of not less than 100°F (38°C).

FUEL-PIPING SYSTEM – Any method of conveying liquid, vapor, steam, gases, or slurry from one point to another, including accessories, appurtenances, and equipment necessary for its proper operation.

INDIRECT-FIRED APPLIANCE – An oil- or fuel-burning appliance in which products of combustion (flue gasses) are not mixed in the appliance with the air or other medium being heated.

LABELED – Having attached a label, symbol, or other identifying mark of an organization acceptable to the Building Official and concerned with product