



CNG Residential Fueling Field Plan Review & Inspection

Orange County Fire Authority, Planning & Development Services Section

Apply OCFA stamp when processed

I agree to install compressed natural gas residential fueling equipment at this address in accordance with each of the requirements listed below, NFPA 52 Chapter 10, Uniform Fire Code Standard 52-1, and other applicable codes, standards, and local ordinances. I understand that should the inspector find the installation to be non-conforming, additional re-inspection fees shall be incurred. Call 714-573-6150 to schedule your inspection.

Initial Fee: PR 615 OCFA Board Approval 1/25/07

PRINT NAME _____ SIGNATURE _____ DATE _____ COMPANY _____

SERVICE REQUEST NUMBER _____ PROJECT ADDRESS _____ CITY _____ ZIP _____

Inspector Sign-off

OK Correction

- Fueling appliances shall be listed. Appliances shall be labeled or appropriate documentation shall be provided to the inspector. *NFPA 52 10.2.2*
- Equipment shall be protected from physical damage; the use of an enclosure for the compressor package, similar to that of a central air conditioner, shall be permitted to satisfy this requirement. *NFPA 52 10.3.2*
- Where more than one vehicle fueling appliance is located in a common area, spacing between the vehicle fueling appliances shall not be less than 3 ft unless permitted by the installation instructions. *NFPA 52 10.3.7*
- The residential fueling facility shall have a nameplate marked with minimum and maximum gas inlet pressure and flow rate, gas outlet maximum pressure, and electrical requirements. *NFPA 52 10.4.1.2*
- Indoor compression units and refueling connections shall be vented to the outdoors. *NFPA 52 10.4.2.1*
- Where the Residential Fueling Facility (RFF) or the vehicle being fueled is located indoors, a gas detector set to operate at 1/5 the lower limit of flammability of natural gas shall be installed in the room. *NFPA 52 10.4.2.2*
- The detector shall be located within 6 in. of the ceiling or the highest point in the room. *NFPA 52 10.4.2.2.1*
- The detector shall stop the compressor and operate an audible or visual alarm. *NFPA 52 10.4.2.2.2*
- The RFF shall be installed on a firm, non-combustible support. *NFPA 52 10.4.3*
- Pressure relief valves shall have pressure relief device vents or vent lines to convey escaping gas to the outdoors and then upward to a safe area. Vents shall not impinge on buildings, equipment, or public areas such as sidewalks. *NFPA 52 10.5*
- Relief valves/devices shall terminate 36+ inches from sources of ignition; 36+ inches horizontally and 12+ inches vertically above openings or vents into buildings or spaces likely to accumulate flammable vapors; 5+ ft from sidewalks or paths of egress. *UFC Standard 52-1 Section 5-2.2*
- Relief valves or devices shall be terminated so as to prevent the entry of water, insects, ice, or other materials. *UFC Standard 52-1 Section 5-2.2*
- Use of hose shall be limited to: 1) a fueling hose no more than 25 ft in length supported or otherwise protected from mechanical damage and being driven over, and 2) a maximum of 3 ft on the inlet, outlet, or both where used to prevent abrasion damage resulting from vibration. *NFPA 52 10.8.3*
- RFF shall be equipped with emergency manual shutdown of the gas supply and electric power. The electrical switch shall be at least 5 ft from the RFF and in clear view of the RFF. *NFPA 52 10.10*
- Breakaway protection shall be provided in a manner so that, in the event of a pull-away, natural gas ceases to flow. The breakaway device shall separate using a force not greater than 150 lb applied horizontally. *NFPA 52 10.10*
- "NO SMOKING WITHIN 3 FEET" and "TURN OFF IGNITION BEFORE FUELING" signs shall be provided at the vehicle fueling appliance. *UFC Standard 52-1 Section 5-2.4*
- "CNG COMPRESSOR EMERGENCY ELECTRICAL DISCONNECT" sign shall be provided at the electrical disconnect switch. *UFC Standard 52-1 Section 5-2.4*

Inspection Fails Correct deficiencies and call 714-573-6150 to schedule a re-inspection.

INSPECTOR'S NAME/PHONE # (print) _____ DATE _____

Inspection Passes _____
INSPECTOR'S SIGNATURE _____ DATE _____

Applicant: Provide three copies of this form for inspector sign-off at project completion.