MEDICAL GAS SYSTEMS
INSTALLER PERFORMANCE TESTING

Reference: 2002 Edition Health Care Facilities
National Fire Protection Association (NFPA 99) Section 5.1.12.2

Facility_____ City_____

1.	**Initial Blow Down.** After installation of the piping, but before installation of the station outlets and other medical gas system components (e.g., pressure/vacuum alarm devices, pressure/vacuum indicators, pressure relief valves, manifolds, source equipment), was the medical gas and vacuum distribution systems line blown clear by means of oil-free, dry nitrogen?	☐ YES	☐ NO
2.	**Initial Pressure Test.** Before attachment of system components (e.g., pressure/vacuum alarm devices, pressure/vacuum indicators, line pressure relief valves, manufactured assemblies with flexible hose, hose, etc.), but after installation of the station outlets, with test caps (if supplied) in place (e.g., rough-in assembly), was each section of the piping system subjected to a test pressure of 1.5 times the working pressure [minimum 150 psig (1035kPa gauge)] with oil-free, dry nitrogen? Test pressure for vacuum shall be not less than a gauge pressure of 415 kPa (60 psi).	☐ YES	☐ NO
3.	**Cross-Connection Test.** Was it determined that no cross-connection of piping systems exists? All medical gas systems shall be reduced to atmospheric pressure. All sources of test gas shall be disconnected from all of the medical gas systems with the exception of the one system to be checked. This system shall be pressurized with oil-free nitrogen to 50 psig (345 kPa gauge). With appropriate adapters matching outlet labels, each individual station outlet of all medical gas systems installed shall be checked to determine that test gas is being dispensed only from that outlet of the medical gas system being tested.	☐ YES	☐ NO
4.	**Piping Purge Test.** Was a heavy, intermittent purging of the pipeline done in order to remove particulate matter in the pipelines? The appropriate adapter shall be obtained, and a high-flow purge shall be put on each outlet. The outlet shall be allowed to flow until the purge produces no discoloration in a white cloth.	☐ YES	☐ NO
5.	**Standing Pressure Test.** After testing of each individual medical gas system in accordance with 4-3.4.1.2(b), was the completely assembled station outlets and all other medical gas system components (e.g., pressure-actuating switches for alarms, manifolds, pressure gauges, or pressure relief valves) installed, and all piping systems subjected to a 24-hour standing pressure test at 20 percent above the normal operating line pressure? The test gas shall be oil-free, dry nitrogen. The source shutoff valve shall be closed.	☐ YES	☐ NO

6. When was the system tested? Date _____

Who conducted the testing? _____

Did anyone witness the test? ☐ YES ☐ NO

Name _____

7. Name of person completing report? _____

Please print Phone #

_____

Signature

_____

Name of Firm Phone #

_____

Please return to:
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