

# **GAS COMPRESSOR STATION INSPECTION CHECKLIST**

## **GENERAL INFORMATION**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Location:** \_\_\_\_\_

## **Site & Structural Condition**

- Yes  No — Buildings, shelters, and structures are in good condition
- Yes  No — Foundations and supports are stable and free from deformation
- Yes  No — Site drainage and grading prevent flooding or pooling
- Yes  No — Fencing and access control are secure and functional

## **Compressor Units & Components**

- Yes  No — Compressor units operate within normal parameters
- Yes  No — Valves, regulators, and actuators are tested and functional
- Yes  No — Piping systems are free from corrosion or visible defects
- Yes  No — Couplings, mounts, and fasteners are secured

## **Pressure & Flow Systems**

- Yes  No — Pressure readings remain within operational limits
- Yes  No — Flow measurement devices are calibrated and accurate
- Yes  No — Relief and blowdown systems tested per SOP
- Yes  No — Pressure control devices respond correctly

## **Gas Leak Detection & Monitoring**

- Yes  No — Fixed gas detectors calibrated and functional
- Yes  No — Portable detection equipment available and maintained
- Yes  No — No leaks detected using detection systems/methods
- Yes  No — Alarm systems activate as required

## **Electrical & Control Systems**

- Yes  No — Control panels are clean and free from moisture or damage
- Yes  No — Backup power systems tested and reliable
- Yes  No — Communication links to SCADA/monitoring operate correctly
- Yes  No — Wiring and grounding systems are compliant

## **Emergency & Safety Systems**

- Yes  No — Fire suppression systems tested and inspected
- Yes  No — Emergency shutdown systems verified
- Yes  No — Egress routes are marked and unobstructed
- Yes  No — Emergency drills and response plans are current

## **Environmental Compliance**

- Yes  No — Emissions monitoring and reporting are compliant
- Yes  No — Noise mitigation systems are effective
- Yes  No — Spill containment systems functional
- Yes  No — Waste disposal follows environmental regulations

## Documentation & Logs

Yes  No — Maintenance and inspection logs are current

Yes  No — Test reports and certifications are available

Yes  No — SOPs and safety manuals accessible onsite

Yes  No — Compliance records verified

## FINAL NOTES

Inspector Comments:

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Inspector Name: \_\_\_\_\_

Inspector Email: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

I confirm this inspection was completed accurately

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