

GAS TURBINE INSPECTION CHECKLIST

GENERAL INFORMATION

Name: _____

Date: _____

Location: _____

Exterior Inspection

☐ Yes ☐ No — Casing is free of dents, corrosion, and paint damage

☐ Yes ☐ No — Access doors and panels seal properly

☐ Yes ☐ No — Cooling fans and louvers are intact and functional

☐ Yes ☐ No — Vibration isolators show no wear

Combustion System

☐ Yes ☐ No — Fuel nozzles are clean and free of leaks

☐ Yes ☐ No — Combustion liners show no cracks or erosion

☐ Yes ☐ No — Ignition system operates correctly

☐ Yes ☐ No — Exhaust temperature sensors are calibrated

Turbine Blades

☐ Yes ☐ No — Blade tips are free of cracks or foreign object damage

☐ Yes ☐ No — Blade root attachments are secure

☐ Yes ☐ No — Clearance gaps are within specification

☐ Yes ☐ No — Blade surface coating is intact

Control Systems

☐ Yes ☐ No — PLC and control panels power up without errors

☐ Yes ☐ No — Safety interlocks engage as designed

☐ Yes ☐ No — Alarms and shutdown signals function correctly

☐ Yes ☐ No — Data logging records parameters accurately

FINAL NOTES

Inspector Comments:

Inspector Name: _____

Inspector Email: _____

Inspection Date: _____

☐ I confirm this inspection was completed accurately