

ELECTRICAL SUBSTATION INSPECTION CHECKLIST

GENERAL INFORMATION

Name: _____

Date: _____

Location: _____

Perimeter and Security

☐ Yes ☐ No — Fencing and gates are secure and undamaged

☐ Yes ☐ No — Warning signs and labels are clearly visible

☐ Yes ☐ No — Grounding connections are intact and visible

☐ Yes ☐ No — Yard is free of debris and vegetation growth

Transformers and Equipment

☐ Yes ☐ No — Oil levels are within normal operating range

☐ Yes ☐ No — No visible leaks or weeping from gaskets

☐ Yes ☐ No — Bushings and insulators are clean and crack-free

☐ Yes ☐ No — Cooling fans and pumps are operating correctly

Switchgear and Control

☐ Yes ☐ No — Circuit breakers show correct status indicators

☐ Yes ☐ No — Control panels are free of alarms or faults

☐ Yes ☐ No — Battery bank voltage and electrolyte levels are normal

☐ Yes ☐ No — Enclosures are sealed against moisture and pests

Safety and Fire Protection

☐ Yes ☐ No — Fire extinguishers are charged and accessible

☐ Yes ☐ No — Emergency lighting and exit signs are functional

☐ Yes ☐ No — Personal protective equipment is available and used

☐ Yes ☐ No — Arc flash boundaries are marked and clear

FINAL NOTES

Inspector Comments:

Inspector Name: _____

Inspector Email: _____

Inspection Date: _____

☐ I confirm this inspection was completed accurately