

# MINE ELECTRICAL SYSTEM INSPECTION CHECKLIST

## GENERAL INFORMATION

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

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

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

### Substations & Transformers

- Yes  No — Transformers are free from oil leaks and physical damage
- Yes  No — Grounding connections are secure and corrosion-free
- Yes  No — Arc flash warning labels are present and legible
- Yes  No — Restricted access gates are locked and secure

### Cables & Wiring

- Yes  No — High-voltage cables show no cuts or abrasion
- Yes  No — Cable trays and supports are structurally sound
- Yes  No — Trailing cables are routed to avoid vehicle damage
- Yes  No — Splices and terminations are properly insulated

### Lighting & Emergency Power

- Yes  No — Area lighting provides sufficient visibility
- Yes  No — Emergency backup lights function correctly

Yes  No — Backup generators start and run within parameters

Yes  No — Exit paths are clearly illuminated and marked

### Motors & Control Systems

Yes  No — Motor housings are clean and free of overheating

Yes  No — Control panel seals prevent dust ingress

Yes  No — Emergency stop buttons function and latch properly

Yes  No — Lockout points are accessible and functional

### FINAL NOTES

Inspector Comments:

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

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

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

I confirm this inspection was completed accurately