

COOLING TOWER INSPECTION CHECKLIST

GENERAL INFORMATION

Name: _____

Date: _____

Location: _____

Exterior Condition

- Yes No — Structure is free from visible cracks, rust, or corrosion
- Yes No — Access ladders, railings, and platforms are secure and undamaged
- Yes No — Area around tower is free of obstructions and debris

Water Distribution System

- Yes No — Spray nozzles are clean and not clogged
- Yes No — Distribution basin is clean and free of scale buildup
- Yes No — Water flow is uniform and covers the fill material evenly

Fill Media

- Yes No — Fill material is clean and intact with no signs of sagging or damage
- Yes No — No evidence of microbial or algae growth
- Yes No — Adequate water contact across fill surface

Fan and Motor Assembly

- Yes No — Fan blades are free of cracks and securely fastened
- Yes No — Motor operates smoothly with no unusual noise or vibration
- Yes No — Belt tension and alignment are correct (if applicable)

Drift Eliminators

- Yes No — Properly installed and undamaged
- Yes No — Effectively minimize water loss through drift
- Yes No — Clean and free from blockages

Water Quality and Treatment

- Yes No — Chemical treatment system is operational and calibrated
- Yes No — Water sample taken for analysis
- Yes No — System is free of scale, corrosion, and biological growth

Pumps and Piping

- Yes No — Pumps are operational with no signs of leakage
- Yes No — Valves and piping are in good condition and leak-free
- Yes No — Strainers and filters are clean

Electrical and Controls

Yes No — Electrical connections are secure and moisture-free

Yes No — Control panel is labeled and functions correctly

Yes No — Safety interlocks and alarms tested

FINAL NOTES

Inspector Comments:

Inspector Name: _____

Inspector Email: _____

Inspection Date: _____

I confirm this inspection was completed accurately

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