



- Complies with State Cleaning & Disinfection Regulations
- Complies with AS/NZS 3666 Parts 1 & 2
- Follows Manufacturer's Operation & Maintenance Instructions
- Component Maintenance
- Mechanical Inspection

Performance Maximisation

Energy / Water Savings

Bacteria & Risk Control

Environmental Protection

Govt Regulatory Compliance

Customer/Site & Equipment Details

Job No.	<input type="text"/>	Cooling Tower No.	<input type="text"/>
Customer Name	<input type="text"/>	Cooling Tower Make	<input type="text"/>
Customer Contact	<input type="text"/>	Cooling Tower Model	<input type="text"/>
Site/Property Name	<input type="text"/>	System Description	<input type="text"/>
Site Contact	<input type="text"/>	Heat Source Description	<input type="text"/>

Compliance & Safety

Inducted	<input type="checkbox"/>	JSA	<input type="checkbox"/>	Report to Site Contact	<input type="checkbox"/>	Vacuum Truck Required	<input type="checkbox"/>
Working at Heights	<input type="checkbox"/>	SWMS	<input type="checkbox"/>	Confined Space Entry	<input type="checkbox"/>	Electrical Test/Tag Up to Date	<input type="checkbox"/>
Isolations approved	<input type="checkbox"/>	EWP Required	<input type="checkbox"/>	Restricted Access	<input type="checkbox"/>		
Signed In	<input type="checkbox"/>	Protective PPE approved	<input type="checkbox"/>	Passes Obtained	<input type="checkbox"/>		

Service Procedure

A. All compliance and safety items put in place



B. Isolate fan & take photo of fan isolation

1. Turn on pump & add low-foaming detergent	<input type="checkbox"/>	Comments	<input type="text"/>
2. Add sodium hypochlorite at 10 ppm free chlorine	<input type="checkbox"/>	Comments	<input type="text"/>
3. Adjust pH to between 7.0-7.6 ppm	<input type="checkbox"/>	Comments	<input type="text"/>
4. Set up equipment and access equipment	<input type="checkbox"/>	Comments	<input type="text"/>
5. Inspect water flow over the fill pack	<input type="checkbox"/>	Comments	<input type="text"/>
6. Inspect for water splash-out and leaks	<input type="checkbox"/>	Comments	<input type="text"/>
7. Test pH and chlorine levels (20 mins)	<input type="checkbox"/>	Comments	<input type="text"/>
8. Adjust pH to between 7.0-7.6 ppm (20 mins)	<input type="checkbox"/>	Comments	<input type="text"/>
9. Test pH and chlorine levels (40 mins)	<input type="checkbox"/>	Comments	<input type="text"/>



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Service Procedure (continued)

10. Adjust pH and chlorine levels (40 mins)	<input type="checkbox"/>	Comments	<input type="text"/>
11. Add chlorine neutraliser after 1 hour	<input type="checkbox"/>	Comments	<input type="text"/>
12. Shut down pump and lock/tag	<input type="checkbox"/>	Comments	<input type="text"/>
13. Shut down BFV and open drain	<input type="checkbox"/>	Comments	<input type="text"/>
14. Stir up basin solids	<input type="checkbox"/>	Comments	<input type="text"/>
 15. Photo of cooling tower from a distance (wide shot)	<input type="checkbox"/>	Comments	<input type="text"/>
 16. Remove all access hatches and panels	<input type="checkbox"/>	Comments	<input type="text"/>
17. Air intake louvres: Remove - Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
 18. Drift eliminators: Remove - Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
19. Water distribution: Clean - Clear Nozzles/Holes	<input type="checkbox"/>	Comments	<input type="text"/>
20. Fill pack: Check position - Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
21. Coil: Clean - Check position - Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
22. Fan cowl: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
23. Fan: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
24. Fan Motor: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
25. Bearing/Taper locks: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
26. Motor mount: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
27. Shafts: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
28. Belts: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
29. Gear box: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
30. Casing/Seams: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
31. Bolting & Fasteners: Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
32. Structure	<input type="checkbox"/>	Comments	<input type="text"/>



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Service Procedure (continued)

 33. Photo of fan drive assembly	<input type="checkbox"/>	Comments	<input type="text"/>
 34. Basin: Desludge - Clean - Inspect	<input type="checkbox"/>	Comments	<input type="text"/>
35. Close drain and refill basin	<input type="checkbox"/>	Comments	<input type="text"/>
36. Reinstall drift eliminators	<input type="checkbox"/>	Comments	<input type="text"/>
37. Reinstall air intake louvres	<input type="checkbox"/>	Comments	<input type="text"/>
38. Check & adjust ball float/water level	<input type="checkbox"/>	Comments	<input type="text"/>
39. Check overflow & clean suction strainer	<input type="checkbox"/>	Comments	<input type="text"/>
40. Turn on pump	<input type="checkbox"/>	Comments	<input type="text"/>
41. Add sodium hypochlorite @ 10 ppm free	<input type="checkbox"/>	Comments	<input type="text"/>
41. Adjust pH to between 7.0 and 7.6 ppm	<input type="checkbox"/>	Comments	<input type="text"/>
42. Inspect water flow through dosing equipment	<input type="checkbox"/>	Comments	<input type="text"/>
43. Pressure clean external surfaces of tower	<input type="checkbox"/>	Comments	<input type="text"/>
44. Test and adjust pH and chlorine levels (20 min)	<input type="checkbox"/>	Comments	<input type="text"/>
45. Pressure clean around tower & remove rubbish	<input type="checkbox"/>	Comments	<input type="text"/>
46. Test and adjust pH and chlorine levels (40 min)	<input type="checkbox"/>	Comments	<input type="text"/>
47. Pack up equipment	<input type="checkbox"/>	Comments	<input type="text"/>
47. Neutralise chlorine at 1 hour	<input type="checkbox"/>	Comments	<input type="text"/>
49. Add slug dose of biocide & corrosion inhibitor	<input type="checkbox"/>	Comments	<input type="text"/>
50. Re-fit access hatches and panels	<input type="checkbox"/>	Comments	<input type="text"/>
C: Turn on cooling tower fan	<input type="checkbox"/>		
 D: Close all permits and remove isolations	<input type="checkbox"/>		
E. Check that the system is running correctly	<input type="checkbox"/>		
51. Discuss any issues with site client	<input type="checkbox"/>		



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Service Procedure (continued)

Comments & Recommendations

FMX Personnel Sign-Off

Service Completed (Date)

Job Supervisor

Signature

Attending Service Personnel

Client Authorisation

Site Client Name

Signature

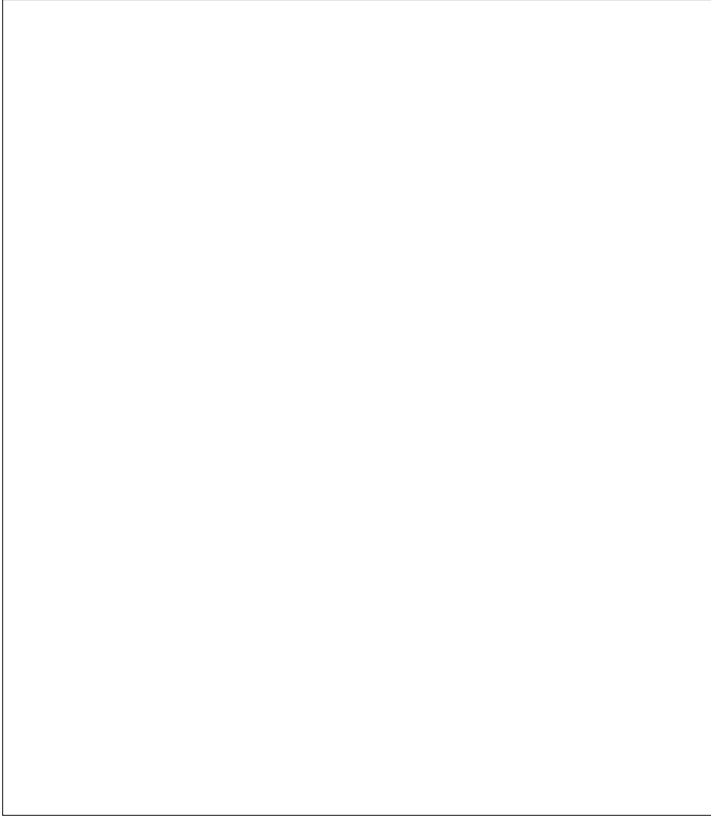
Photos Over Page



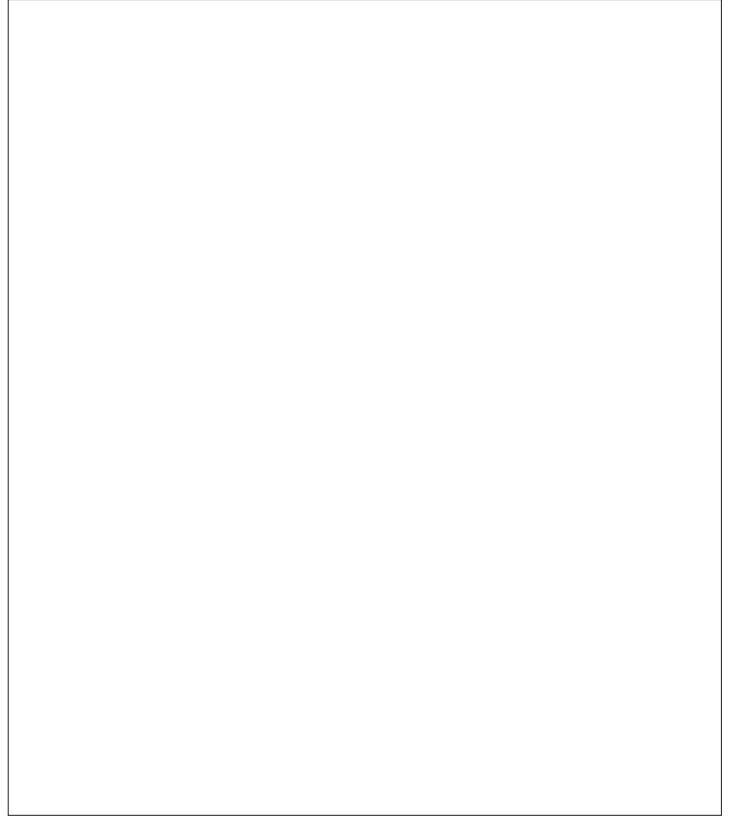
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PHOTOS

FAN ISOLATED AND LOCKED OUT



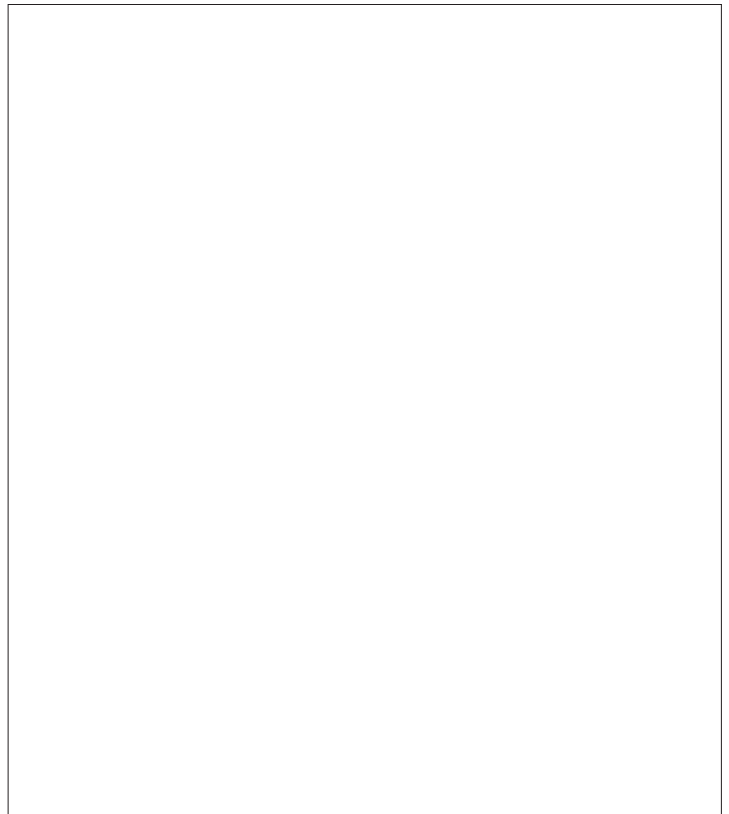
WIDE SHOT OF COOLING TOWER



MAIN ACCESS HATCH REMOVED



BASIN BEFORE SERVICE





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PHOTOS (Continued)

DRIFT ELIMINATORS REMOVED AND CLEANED

CRITICAL COMPONENT

FAN DRIVE ASSEMBLY INSPECTION

CRITICAL COMPONENT

FILL PACK OR COIL CONDITION

CRITICAL COMPONENT

WATER DISTRIBUTION CONDITION

CRITICAL COMPONENT



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PHOTOS (Continued)

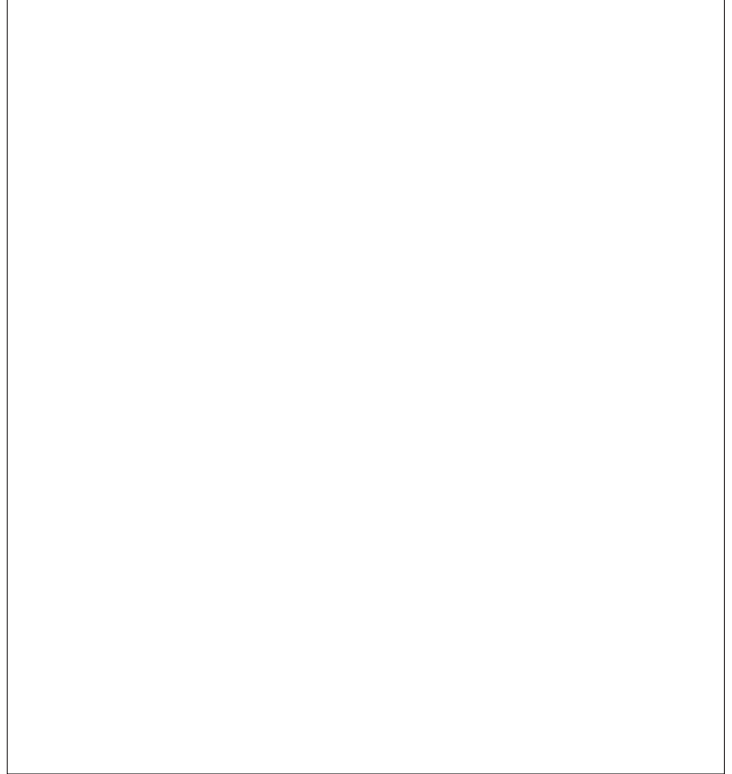
SAFE ACCESS TO CRITICAL COMPONENTS

CRITICAL COMPONENT



AIR INTAKE LOUVRE CONDITION

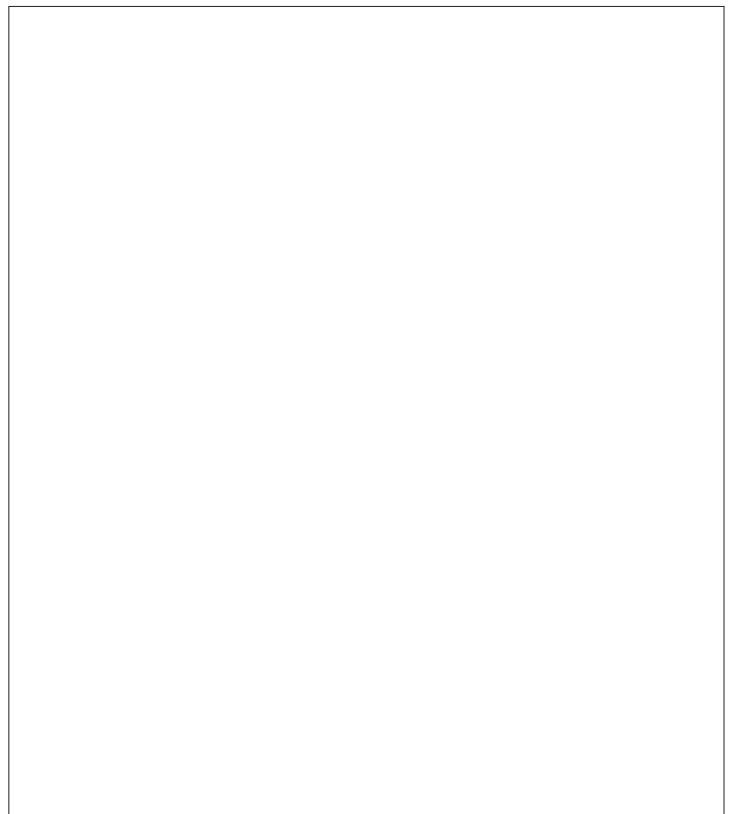
CRITICAL COMPONENT



BASIN AFTER SERVICE



FAN DE-ISOLATED AND LOCKS REMOVED





Engineering Performance Clean

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PHOTOS (Continued)

