



COOLING TOWER OZONATION FORM

(Please make copies for additional towers)

TOWER INFORMATION

1. MANUFACTURER: _____ MODEL #: _____

TONS: _____, AGE: _____ YEAR, TYPE: _____ OPEN _____ CLOSED

CIRCULATION PUMP: _____ m³/hr.

PERCENT OF TIME IN OPERATION: _____ %SUMMER

_____ % AVERAGE

<u>#1 TOWER CONDITION</u>	CLEAN	FAIR	DIRTY
DISTRIBUTION DECK	_____	_____	_____
DISTRIBUTION NOZZLES	_____	_____	_____
FILL MATERIAL	_____	_____	_____
STRUCTURAL MEMBERS	_____	_____	_____
AIR LOUVERS	_____	_____	_____
DRIFT ELIMINATORS	_____	_____	_____
BASIN	_____	_____	_____
INTERIOR WALLS	_____	_____	_____
PUMP SCREENS	_____	_____	_____

CLEAN : All surfaces clearly visible - no slimy feel

FAIR : Some visible biological growth easily removed with fingertips. At least 2/3 of the surfaces free of visible growth.

DIRTY : More than 2/3 of the observable surfaces are covered with biological growth or deposits. Other surfaces are slimy.

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WATER TREATMENT INFORMATION

Current Treatment : Chemical _____
Manual _____ Contact value _____
FORMULATION #1 NAME _____
FORMULATION #2 NAME _____
FORMULATION #3 NAME _____
OTHER TREATMENTS : _____ MAKE-UP WATER SOFTENING
_____ BASIN SIDESTREAM SAND FILTER
_____ SIDESTREAM SOLIDS SEPARATOR
WATER PARAMETRS MONITORED : _____ pH
_____ CONDUCTIVITY / T.D.S
_____ OTHER _____

WATER USAGE INFORMATION

MAKE-UP WATER METERED : _____ YES _____ NO
_____ M3 PER DAY

BLOWDOWN

BASIN T.D.S. : _____ PPM CYCLES : _____
AUTOMATIC BLOWDOWN SETPOINT : _____ μ SIEMANS
CYCLES : _____
BLOWDOWN WATER METERED : _____ NO/Yes
_____ M3 per day

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WATER VOLUME

- 1. Total water Volume in Cooling Tower Sumps : _____ m3
- 2. Total water volume in pipes : _____ m3
- 3. Total water volume in condensers / heat exchangers : _____ m3
- TOTAL** : _____ m3

#1 HEAT EXCHANGER / CHILLER INFORMATION (USE ADDITIONAL SHEETS IF NECESSARY)

Heat Exchanger Skin Temperature: _____ in Degree Centigrade.

Chiller/ Condenser Capacity : _____ TONS

COOLING WATER TEMPERATURE : _____(IN) DEGREE C; _____(OUT) DEGREE C

DESIGN FLOW : _____ m3/hr.

COOLING WATER PRESSURE : _____ IN PSI _____ IN PSI

CHILLER SEALS _____

MAKEUP WATER QUALITY (OR ATTACH SITE ANALYSIS)

MAKEUP WATER SOURCE : _____

ANNUAL VARIATION : _____

CONDUCTIVITY : _____ MMHOS pH : _____

CALCIUM HARDNESS : _____ PPM (AS CaC03)

CHLORIDE : _____ PPM (AS Cl) SODIUM : _____ PPM (AS Na)

MAGNESIUM HARDNESS : _____ PPM (AS CaC03)

SILICA : _____ PPM (AS COLLOIDAL) PHOSPHATE : _____ (AS P04)

TOTAL ALKALNITY : _____ PPM (AS CaC03)

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