

## Cooling Tower Worksheet for Ozone Applications

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Complete the following information as best you can, this will give us some insight into the type the ozone system you may require and allow for a Return-on-Investment (ROI) report.

- 1). What is the cooling tower capacity in tons? \_\_\_\_\_
- 2). What is the circulation rate of cooling tower in GPM? \_\_\_\_\_
- 3). What is the average blow down water cycle for your cooling tower in GPM? \_\_\_\_\_
- 4). What is the Blow down frequency? \_\_\_\_\_
- 5). What is the Make Up cycle for your cooling tower water in GPM? \_\_\_\_\_
- 6). What is the Make up water frequency? \_\_\_\_\_
- 7). Do you know the evaporation and drift (Drift occurs when the water droplets become entrained in the discharge airstream) in gallons per year? \_\_\_\_\_
- 8). Do you know what the operating load factor is?  No  Yes \_\_\_\_\_
- 9). How do you dispose your blow down water? i.e city waste water, hauled away or other?  
\_\_\_\_\_
- 10). Are you paying a surcharge for disposal and or do you pre-treat before disposal?  
 No  Yes  Pre-treat
- 11). What is the cost for city water or other make up water costs? \_\_\_\_\_
- 12). What is your current electric usage and cost for operating your cooling tower? \_\_\_\_\_
- 13). What is your estimated current chemical treatment cost for your cooling tower?  
(Biocides and water treatment) \_\_\_\_\_
- 14). Do you have a chemical analysis for hardness (alkalinity) and dissolved solids for your make up water?  No  Yes \_\_\_\_\_
- 15). Do you pretreat the make up water prior to usage?  No  Yes \_\_\_\_\_
- 16). How often do you maintain the cooling tower by cleaning and how do you perform this operation?  
\_\_\_\_\_
- 17). What are the materials of construction of the cooling tower including the piping?  
\_\_\_\_\_
- 18). What is the high and low operating water temperature in your cooling tower? \_\_\_\_\_
- 19). What is your expected ROI for a Ozone water treatment system? \_\_\_\_\_
- 20). Have you considered ozone in your operation before?  No  Yes  
If Yes, when and what is the status? \_\_\_\_\_

Thank You For Your Cooperation

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P.O. Box 46474  
Mt. Clemens, Michigan 48046  
Tel: 586-792-3325  
Fax: 586-792-2711  
Toll Free: 1-800-825-7872  
[www.ChemicalContainment.com](http://www.ChemicalContainment.com)

