



13 July 2020

Memo: Chapter 8 of Title 24 Cooling Tower Amendment - Summer Hyperhalogenation

Summary:

NYC has instituted a mandatory requirement for a mid-summer Hyperhalogenation, or “online disinfection”, for all operational cooling towers. This process is in response to data indicating that high heat loads on cooling towers during the summer months increases the likelihood of Legionella occurrence in cooling towers.

Details:

1. Hyperhalogenation must occur between July 1 and August 31 of the operational season
2. Hyperhalogenation must maintain a minimum level of 5ppm of free halogen (chlorine or bromine) throughout the entire tower water system for 6 hours
3. Hyperhalogenation must be performed by licensed qualified person or company
4. Hyperhalogenation must be performed with a registered chlorine or bromine based biocide
5. pH and halogen levels must be measured and recorded during the Hyperhalogenation at two (2) independent sampling locations to ensure complete system control
6. Legionella sample for lab testing must be collected and analyzed by state approved lab within 3 to 45 days after the Hyperhalogenation
7. Owner must submit a declaration of Hyperhalogenation within 30 days of the completion of the Hyperhalogenation by upload to the NYC cooling Tower Portal.
8. Records of the Hyperhalogenation must also be kept with the MPP reporting documents in the building
9. Amending of MPP to include the “Summer Hyperhalogenation” for future years will be required for the 2021 tower operational season

Practice:

1. ProTreat Solutions will perform all required work to satisfy this new requirement
2. Associated costs will be identical to other disinfections and legionella lab analysis
3. Documentation upload to NYC Cooling Tower Portal will be performed by ProTreat for all buildings that have granted ProTreat access to upload on behalf of the building/owner. Any building maintaining upload access independently will be provided a .pdf file with all required details to upload themselves
4. This Hyperhalogenation process **SHOULD NOT** affect the operation of the tower or the building’s ability to provide comfort cooling to its residents.