

CMI Management  
 Bowie Army Reserve Center  
 4600 Foxtail Place  
 White Plains MD 20695  
 (202) 437-5119

Report Number: 369710

Recorded By: James Harris  
 (410) 991-7190  
 jharris@bondwater.com

### 4600 Foxtail Place - HVAC

Test	Makeup Water	Cooling Tower	Dual Temp Glycol System	
Conductivity (as mmhos)	240 Record	270 400 - 1000	4800 5000 max	
pH	8.4 Record	8.6 8 - 9	9.0 8 - 10.5	
Hardness, total (ppm as CaCO <sub>3</sub> )	10 Record	10 400 max		
Alkalinity, total (ppm as CaCO <sub>3</sub> )	105 Record	110 600 max		
Chlorides	10 Record	10 200 max		
Bond EcoTrace		15 70 - 125		
Molybdate (ppm as Mo)			120 50 - 200	

#### Opening Comment

Performed water treatment service for July.

#### Makeup Water

Online 

Makeup water is analyzed in order to determine cycles of concentration and to set program control parameters.

#### Cooling Tower

Online 

On arrival I found the tower controller reading no flow while the system was running. Inspection of the tower control arm found that the booster pump that provides water flow to the treatment station was not running. Without flow to the equipment no chemical can feed into the system. I also found that the tower bleed was activated while the controller believed the tower was offline. I inspected the controller programming and found everything to be correct. A power cycle to the controller stopped the call for blowdown and the controller appeared to be working normally. Chemical testing found very low levels in the cooling tower due to the issues found. Tower levels will not rise until the booster pump can be repaired. Although Patrick was not onsite during this visit I informed him of the issues I had found. I plan to return to the location in order to meet with Patrick concerning the pump on Wednesday.

#### Dual Temp Glycol System

Online 

Testing found all levels within desired ranges indicating good corrosion protection by the chemical treatment at this time. The filter on the closed loop was replaced.

#### Closing Comment

A CoW has not been provided yet for this visit. Please contact me with any questions regarding the treatment program.

Bond Water Technologies, Inc. recommends that you perform regular and/or daily analysis to control chemical levels and cycles of concentration within established limits. Test results reflect conditions during the point in time when the analysis was performed. Additional testing may be performed upon request. As operating conditions vary, test results will change over time. Notwithstanding anything to the contrary contained in the Agreement or otherwise, (i) Bond Water Technologies and its insurers are not liable for losses caused by the Customer's wrongful acts or omissions, (ii) Bond's program does not cover and it makes no guarantees with respect to waterborne pathogens including Legionella or against health risks therefrom, and (iii) in no event shall either party be liable for any consequential or indirect damages.