BOND
WATER TECHNOLOGIES

CMI Management
VA-011
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Culpeper Minutemen Mem USARC - HVAC Equipment

Test	Evap Condenser	Closed Loop		
Conductivity (as mmhos)	1805 900 - 1350	3241 3500 max		
pH	9.0 7 - 9	9.0 8 - 10.5		
Chlorides	180 80 - 180			
Hardness, total (ppm as $CaCO_3$)	800 750 max			
Alkalinity, total (ppm as $CaCO_3$)	390 400 max			
Molybdate (ppm as Mo)	0 0.8 - 1.2	10 50 - 200		

Evaporative Condenser   Online ●

Conductivity is above desired ranges. This may lead to scale forming conditions which may effect energy consumption and/or cause equipment to fail. This is the first time I have treated the system since it just went online. I got the controller all set up and once the system bleeds down all readings should be in desired ranges. Chemical feed levels are sufficient for the next month and all equipment was working properly while on site.

Closed Loop   Online ●

Molybdenum level is low. This will lead to accelerated corrosion rates. System was recently fixed. I hand pumped a half gallon of MO and the system is now in desired ranges. I also collected a sample of water and will send to our lab for testing since the loops leaks have been repaired.