

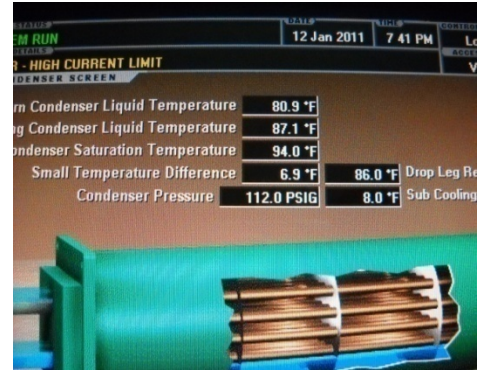
FMW/SW PERFORMANCE EVALUATION SUMMARY

SHOPPEVILLE, GREENHILLS SHOPPING CENTER

Chiller #5 – January 12 – July 20, 2011

Before FMW/SW Installation

- *Condenser approach temperature was regularly at 8-9°F every 3 weeks which adversely caused the chiller to sound off and vibrate; swabbing/descaling are then undertaken
- *Yellowish water at catch basin
- *Chemicals being used as water treatment



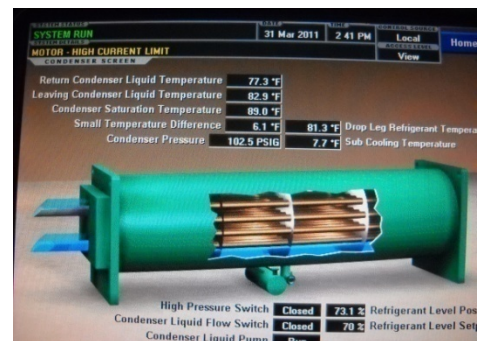
After FMW/SW Installation

- *Condenser approach temperature (CAT) at 6.9°F on Jan. 12, one week after swabbing and installation of the FMW, use of chemical treatment was halted.

- *CAT on Feb. 21 at 7.1°F



- *CAT on Mar. 31 at 6.1°F



***CAT on June 29 at 3.6°F**

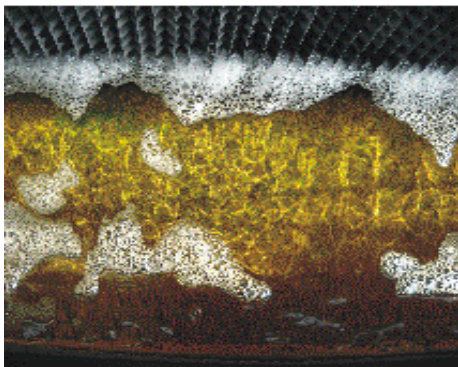


***CAT on July 20 at 3.6°F**



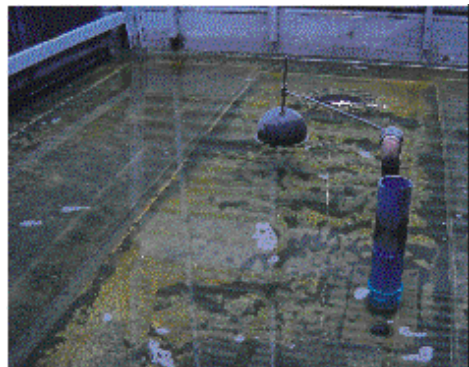
Per above data, not only savings on water-treatment chemicals and industrial water (intervals of blow down are longer) are achieved, obviously because Condenser Approach Temperature has stabilized down to 3.6°F from a high of 8-9°F, tremendous energy savings are therefore realized.

Water at catch basin is yellowish



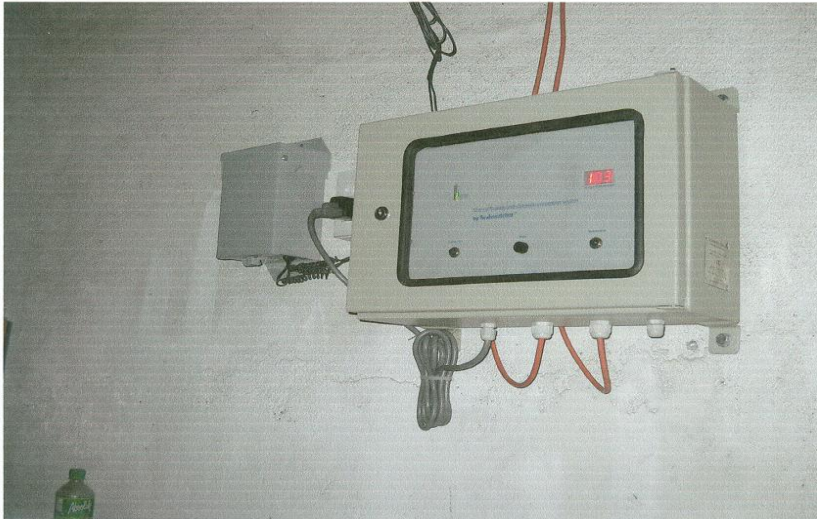
Before

Crystal clear water with settled scales removed from the tubings

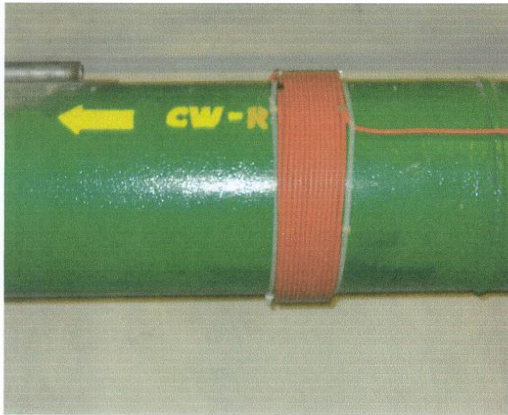


After

FMW/SW UNIT



Energizing Panel



Coil Signal Cable wound at 12-inch header cooling pipe