

CASE STUDY



Before

Idaho Department of Corrections operates a correctional facility in Kuna, ID. This complex has 22 buildings and is being supplied by well water that is nearly 25 grains hard. In September of 2013 IDOC installed two Flow-Tech water treatment systems in two of these buildings for the purpose of evaluating its efficacy. They were interested in both eliminating their water softeners along with reducing the maintenance related to hard water issues.

For a thorough evaluation they wanted to do a side-by-side evaluation. So the test was performed on a wing of the complex where there were two identical housing units right next door to each other. A Flow-Tech water treatment system was installed on the #15 unit and the #16 unit would act as the control. The water softener in #15 was placed on bypass. The boiler, shower heads, faucets and mixers were all cleaned and free of scale.

AT A GLANCE

APPLICATION: Domestic HW

LOCATION: ISCI , Kuna, ID

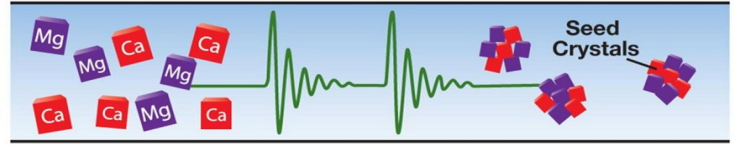
DATE: January 2014

OUTCOME: Eliminated water softener. Stopped scaling in boiler, shower heads and mixers.

WITHOUT FLOW-TECH



WITH FLOW-TECH



After

After 4.5 months of operating the Flow-Tech water treatment system, a thorough evaluation was performed. An inspection of the boiler proved it to be free of scale. Faucets, showers and mixers would normally require cleaning by this time and were completely free of any build-up. In fact, #16 unit's mixers needed servicing as they were all fouled out.

The second Flow-Tech unit also proved to be a positive test as well. IDOC is now budgeting to implement Flow-Tech as the new standard water treatment not only at this facility but at all the others that they oversee. The savings from not having to maintain the ion exchange units and having to maintain the fixtures will prove to be a short payback for the chemical free systems. Two other added benefits are the reduction of chlorides going to their wastewater plant and the elimination of salt deliveries (security risk) .

