



ProMoss™

CASE STUDY

Water Treatment:

Hot Water & Chilled Water Loops

Operational Since 2016

Canal Place One
Lowell, MA

THE PROBLEM:

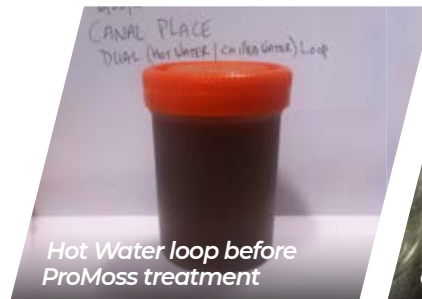
Canal Place One was one of the first of three buildings once owned by the Lowell Manufacturing Company to have been converted to condos in the 1980s. Management contacted Conservation Solutions Corporation (CSC) about reducing water use and costs in the building and CSC completed a detailed water study. Management was also unhappy with the chemical treatment program for Canal Place which was affecting the heat transfer efficiency of the HVAC equipment and the hot water & chilled water loops were dirty.

THE SOLUTION:

CSC provides non-hazardous chemical water treatment systems and installed the ProMoss™ water treatment system to stabilize pH, control corrosion, eliminate calcite scale in the hot and chilled water loops. This system completely eliminated hazardous chemicals previously use for the water treatment system at Canal Place One. The ProMoss™ system uses nature's way – Sphagnum Moss to treat water by creating a cation reaction that enables the moss to absorb metals such as calcium, iron and magnesium. The result is crystal clear water, and clean heat transfer surfaces to optimize energy efficiency. Management was pleased to see the hot water and chilled water loops become crystal clear within the 1st month after installing the ProMoss™ System and have stayed clean for the last 3 years making for a “greener” operation at Canal Place”. Canal Place Condos has invested in a “greener” building with excellent financial gains by reducing water use and increased energy efficiency due to less fouling.

THE RESULTS

- Eliminated Use & Cost of Hazardous Chemicals
- Reduced Energy and Water Costs
- Improved Working Environment for Staff by Eliminating the Need to Handle Chemicals
- Protecting the Cooling & Heating Systems from Corrosion, Eliminates Calcite Scale
- “Greener” Building



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