Solid Water Treatment Technology
A Green Building Maintenance Solution

Green building is increasing how efficiently buildings use energy, water and materials to reduce impact on human health and the environment. Property managers need solutions to meet these objectives. Chem-Aqua is pleased to introduce HANDI-CHEM™ Solid Water Treatment Technology, which reduces operating costs, conserves resources and protects the environment.

With HANDI-CHEM Solids, solid concentrates in one-gallon bottles replace liquid in drums. HANDI-PAK™ Solid Concentrates are dissolved as needed using a HANDI-FEED™ Mixing Board and pumped into the system being treated.

HANDI-CHEM Solids meet several green building objectives and are critical to preventative maintenance for HVAC systems. HANDI-CHEM Solids insure reliable operation while minimizing water and energy usage.

It is often overlooked that water treatment impacts resource usage and discharges pollutants. Carbon dioxide released from fossil fuel-fired utility plants, boilers and cars is a major source of greenhouse gases and global warming. Water treatment problems reducing how efficiently electricity, natural gas or oil is used contribute to greenhouse gases. Table I illustrates the increased cost and greenhouse gases from such problems.

An effective HANDI-CHEM Solids program helps HVAC systems maximize efficiency to reduce energy usage, save money, conserve resources and protect the environment.

Environmental awareness is fueling interest in safer and less toxic chemicals, pollution control laws and reducing waste. HANDI-CHEM Solids fit perfectly. They perform like liquids, but are safer, easier to use and more environmentally friendly. Additional green benefits include:

- Solids contain fewer hazardous chemicals.
- Solids have a lower vapor pressure profile than liquids with fewer fumes/odors/VOCs.
- Four one-gallon recyclable containers replace 30-gallon chemical feed drums, which eliminates drum disposal and reduces waste.
- Solids weigh less than 20% of liquids so transportation uses less fuel and reduces greenhouse gases.
- Solids are safer to handle and ideal for hard to reach locations.
- Spillage risk is virtually eliminated.

Chem-Aqua’s HANDI-CHEM System provides effective water treatment that minimizes energy and water usage, improves workplace safety and reduces environmental concerns. With field-proven performance, the HANDI-CHEM System offers a safe, simple, green solution for cooling towers, closed systems and steam boilers.

For more information on HANDI-CHEM Solids, please contact Chem-Aqua at 800.527.9919.