What’s the big deal with recycling?

*Five reasons why Kemco cares about water and energy recycling*

Water can easily be considered an endless resource, right? We turn on the faucet every day and water is available, ready for use. It can seem unlimited to the average citizen of a developed country. What we don't realize, is that water is actually a very limited resource. Due to immense increases in world population, water demand is approaching unsustainable levels. It is expected that by 2050, water demand will increase by 55% worldwide. So how can we ensure a sustainable water supply? The answer is reducing usage and RECYCLING. For nearly 50 years Kemco has provided systems to the industrial market that employ innovative technologies to recover waste energy and recycle industrial wastewater. These highly-efficient systems conserve our freshwater resources, reduce energy consumption and costs, as well as minimize our clients environmental footprint. Below are 5 reasons why no company can ignore the need for water and energy recycling systems in the future.

**Reason #1: Limited**

Water is one of the most valuable resources on earth. It is necessary for all forms of life. As mentioned above, the earth’s water supply is extremely limited and this is the most important reason why water recycling and reuse is so crucial. There is no alternative to sustainable water supply other than water recycling systems, which help to preserve the earth’s natural water resources.

**Reason #2: Cash**

Large manufacturing plants consume enormous amounts of water and energy. The by-products, such as wastewater and thermal energy, can be recycled by using state-of-the-art technology. For the manufacturing plant, this means higher efficiency and lower costs for water and energy, resulting in higher cashflows for the company.

**Reason #3: Environment**

Wastewater can pollute the environment and lead to ecological problems in our seas, rivers, and ecosystems. Companies, as well as individuals, must take responsibility to preserve our environment for future generations. Advanced systems to treat wastewater minimize harmful pollution and significantly lower the negative environmental impact of a manufacturing plant. Heat recovery systems minimize the carbon footprint and contribute to a more environmentally-friendly production process.

(cont’d pg. 2)
Why Recycle?

Reason #4: Fresh Water Supply

There are many applications that do not require the use of fresh water. Recycled water can be used in many areas: agriculture, landscape, public parks, irrigation, and dust control to name a few. Since these applications can require substantial amounts of water, recycling water is crucial for sustainability. Chemically treated water is not ideal for agricultural applications. Advanced filtration systems recycle wastewater without the use of chemicals, creating usable water, safe for agricultural applications.

Reason #5: Law

Many states have compliance regulations regarding industrial wastewater. Before wastewater can be discharged into the public sewer systems, contamination levels must meet the state’s guidelines or the plant could be charged with hefty fines. These regulations protect the municipal and state water systems. Ceramic microfiltration and reverse osmosis systems reduce contamination levels by nearly 100%, reducing discharge costs and increasing water reuse rates, saving water usage and dollars for industrial plants.

Featured Project

Concrete/Ready-Mix - Seppi Brothers

Company Description:
This family-owned company offers a wide range of concrete products including ready-mix concrete, aggregate, and precast concrete elements. With over 70 years of experience, Seppi Brothers has solutions for residential, commercial, and industrial customers. The company chose Kemco Systems as a strategic partner to ensure that their production facility would operate on the highest efficiency level possible. Due to Kemco's exceptional reputation in the industry, Seppi knew that Kemco would deliver a reliable solution increasing plant efficiency while minimizing operating costs.

Background:
The challenge for Seppi Brothers was to ensure a reliable heating source for use in the concrete batch process, specifically during the winter season. Kemco's sales engineer, Bill Gallagher, worked closely with Mr. Seppi in order to develop a custom solution for the plant.

Solution:
After a careful analysis of plant's needs, it was agreed that a Vapormite steam generator would provide a reliable heat source. The Vapormite is not only ultra-reliable but also economical to operate. It produces on-demand steam, works at low pressure, and has 98% fuel efficiency.

Results:
The first Vapormite system was installed at Seppi Brothers, in 2006. Due to Kemco's detailed analysis of plant needs, the system worked perfectly for Seppi. It provided consistent concrete production independent of external weather conditions. Seppi was so impressed by the reliability and quality of the system, that the company installed a second Kemco Vapormite system in 2011.

Meet Kemco

Cody Davis
Title: Applications Engineer
Time at Kemco: 2 years
Favorites
Sports Team: Pittsburgh Steelers
Spare Time Activity: Working out, playing basketball
Last Movie Watched: Eddie Strongman - Documentary
Who would you want to be if you could be a Superhero or Fictional Character?: Batman
One Bucket List Item: Travel to Egyptian Pyramids
Kemco Announcements

It is with great sadness that we announce the untimely passing of Scott Vanlandingham. Scott contributed 14 years of hard work at Kemco as both a welder and an installer. We send our deepest condolences to his friends and family.

We kicked off June exhibiting at The Clean Show in Las Vegas. With over 10,000 participants, The Clean Show is one of the largest trade shows in the textile care industry. We had a very busy schedule at the show and had a significant amount of interest in our services. Thank you to all involved for making the show a great success!

Gerry VanGils and John Sutton were in Minneapolis for The Membrane Technology Forum. Gerry presented on Membranes in High-Strength Wastes in Dairy Plants. We had a good amount of interest in our offerings and look forward to expanding our presence in the dairy industry.

After stopping in Minneapolis to the Membrane Technology Forum, Tom Vanden Heuvel was invited to Austin, TX to participate on the panel at InvestH2O, the largest water investor forum in the Southwest.

Celebrating Anniversaries

Thank you to our dedicated employees for your continued hard work and contributions to Kemco’s success!

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<td>Philip Hunt</td>
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<td>Matt Koch</td>
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<td>Vinh Nguyen</td>
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<td>Brenda Broome</td>
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<td>John Pabalan</td>
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<td>Gerry Van Gils</td>
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<td>Allan Dodge</td>
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Meet Kemco

Rodi Akalan

*Title: Marketing Intern*

*Time at Kemco: 1 month*

*Favorites*

*Sports Team: Real Madrid*

*Spare Time Activity: Bike tours, meeting friends*

*Last Movie Watched: Snatched*

*Who would you want to be if you could be a Superhero or Fictional Character?: The Flash*

*One Bucket List Item: Road trip across the U.S.A.*