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**For Immediate Release**

**Earthwise Environmental Introduces Patent Pending Cooling  
Technology that Eliminates Chemicals, Conserves Water**

*The Midwest's Leader in Water Safety, Conservation*

**BENSENVILLE, Ill. (Jan. 13, 2009)** – Earthwise Environmental, Inc., Bensenville, Ill., introduces its *eSolutions*, a patent pending program that completely eliminates hazardous chemical treatments and dramatically reduces cooling tower discharge by up to 75 percent compared to most cooling tower programs.

“This technology provides the solution to a safer environment,” says Bob Miller, founder and president. “It uses far less water, reuses it to conserve waste and eliminates chemicals, providing truly economical and healthful applications in all types of public venues.” Earthwise designs and implements water management solutions for hospitals, schools, hotels, food processing plants, and light industrial and commercial buildings.

The majority of today’s heat-transfer technologies require chemicals to reduce scale, corrosion and microbiological fouling. If left untreated, the overall impact on hydronics systems is increased capital replacement; higher labor and energy costs; health risks, including for Legionnaires’ disease; and unscheduled system downtime.

The upcoming push for Leadership in Energy and Environmental Design (LEED) certification makes smart water use a critical bottom-line issue. As businesses struggle to compete in a challenging economic climate, attention to the bottom line is even more critical. *eSolutions* can provide LEED points for facilities in water conservation and innovative technology categories.

“Many of the hazardous compounds traditionally used in cooling tower systems eventually end up in the water system, increasing the need for further treatment downstream at the treatment plants,” Miller says. “Plastic chemical drum disposal, freight costs and overall environmental impacts also are concerns.”

But *eSolutions* eliminates drum disposal, chemical treatments and safety issues associated with chemical programs by using scientifically-proven methods to remove and control mineral scale. *eSolutions* also provides microbiological and corrosion control

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equal to or better than existing chemical programs. Because the after-use water contains no chemical impurities, it can be collected and reused for irrigation.

Miller says the technology behind *eSolutions* is based on universally documented and accepted scientific principals, centered in anode-cathode reactions under a supplied current. Mineral is precipitated and then periodically flushed from the system. Easily calculated and measured water indices control corrosion. Adhering microbes to precipitated calcium and converting small amounts of chloride to chlorine typically lowers bacteria counts, resulting in biological control.

Minor piping installation and a small operating footprint allow *eSolutions* to be installed from a skid-mount platform and easily moved from system to system if necessary. Most importantly, continuing service, testing and monitoring ensure efficient operation and performance, along with validation of results. Twenty-four/seven remote monitoring also is achieved to ensure program performance.

With five Certified Water Technologists (CWTs) on the team – more than any other water treatment company in Illinois – Earthwise Environmental, Inc. is the Midwest's leader at providing safe, environmentally-sound water management solutions. Its staff has more than 120 years of combined experience and provides service to clients including Prairie Packaging, Northwestern Memorial Hospitals, University of Chicago Hospitals, Soldier Field Stadium and Hamilton Partners' entire portfolio of commercial office buildings.

Earthwise Environmental partners with leaders in industrial hygiene, safety and environmental services to continually evaluate and implement new water- and energy-saving technologies. In 1997, Earthwise became the Midwest's first water management company to introduce drumless technology, eliminating the need for chemical drums and hazardous chemical storage. Its strategic collaboration with industry leading *Legionella* testing firms makes it the nation's premier resource in the fight against Legionnaires' disease, exceeding new industry standards set by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

For more information, call 630-475-3070 or visit the company's new Web site at [www.earthwiseenvironmental.com](http://www.earthwiseenvironmental.com).

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**Editors, please note:** High-resolution digital photography is available on request. Bob Miller, founder and president of Bensenville, Ill.-based Earthwise Environmental Inc., is available for interviews on a wide variety of water management topics, including Legionnaires' disease prevention. To arrange an interview, contact Sue Markgraf, GreenMark Public Relations, at 847-970-9160 or [smarkgraf@greenmarkpr.com](mailto:smarkgraf@greenmarkpr.com).