



# Focus on Fog

"Focus on Fog" is published electronically every two months with news, views and technical tips for all MicroCool customers, dealers and agents worldwide. Announcements for all breaking news will be sent by regular email. To sign up for your personal copy of the MicroCool moment send your name, address, phone, fax and email to fogfocus@microcool.com

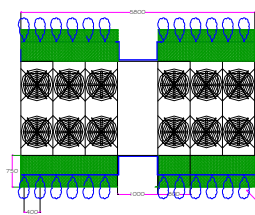
## MicroCool C<sup>3</sup> System for condenser coils

For many years the effect of fog as an adiabatic cooling process for energy systems has been exploited in hot climates. Cooling of air in Gas Turbines is a specialty of our sister company; AxEnergy.

Using MicroCool's high-pressure fog technology and input from the engineering side of AxEnergy, MicroCool proudly presents the

*MicroCool C<sup>3</sup> System for Condenser Coil Cooling.* Understanding of the efficiency of condenser coils and chillers played an important part in the development of the system. Rooftop chillers in hot climates must operate in temperatures over 140° F (60° C), outputs can reduce by 50% or more from "normal" ambient temperatures. If the compressor pressure is elevated, systems shut down or add extra strain on the compressor unit. When people or services rely on the performance of their cooling, catastrophic results can occur when the system fails!

Combining engineering and climate data in an analysis program, performance data and water usage is calculated to optimize installation of the



nozzles. The *MicroCool C<sup>3</sup> System* combines water treatment and storage, industrial duty pumps, ambient controls (to limit operation time) and interlocks with the fan operation.

A recent installation for Saudi Telecom in Riyadh prompted MEAC Sales Manager Namir Muhtar to say "it performed so well it should be a MicroCool 7C system!" Results and tests performed by the local Trane representative are being collated for publication.

Arrangements are being made with major users close to the California office to operate trial and tests through the summer months. For more details contact info@microcool.com or your local representative.

**Have you tried our new website?  
Visit [www.microcool.com](http://www.microcool.com) today!**

## Athens Services Los Angeles

Severe emission regulations in California forced Athens Services to reduce their dust and odor levels. Athens handles over 1,900 tons of trash per day and will expand to 8,500 in the future. Industrial Manager Jim Murphy designed a system to help reduce their



emission problems and satisfy the local authorities.

A total of 820 nozzles are used to provide a combination of dust and odor suppression through the facility. Seven separate zones

are controlled by a PLC to reduce water usage and increase efficiency.

Lines are positioned and mounted over strategic areas to give a superior dust control. Other lines were installed to give workers extra cooling in the summer months.

MicroCool arranged the complete installation (through sub-contractors) providing a turn-key installation and maintenance. A further expansion is scheduled for later in 2004.

*Congratulations Jim!*



## And now for something completely different....

### Bill Anderson, "Show & Tell"

Bill was recently featured in the local paper "The Desert Sun", below is a copy of the article.

Name: Bill Anderson

Neighborhood: Rancho Mirage

I have 13,000 records in my collection. They are categorized by the years, between 1955 to 1975. If you want to know what was on the Top 40 in January of 1991, I have them. During my years as a tennis pro in Las Vegas, I coached many of our greatest show biz stars including Barbra Streisand, Goldie Hawn and Stephanie Powers. I consider myself very fortunate, because I have flown on Elvis' jet, visited Hefner's Playboy mansion, vacationed with Paul Anka, traveled the world with Bill Cosby, became a lifelong friend of Bobby Riggs and



countless other celebrities. I have a music room in my house, a tribute to that period. The walls are covered with framed, autographed 45s and pictures of Chubby Checker, The Coasters, The Beach Boys, The Lettermen and dozens more stars. There is a parking meter which will take pennies, a tray from the days of drive-in restaurants, and two juke boxes; one is the type found on a counter in diners. It only takes nickels

© The Desert Sun—Palm Springs

Bill Anderson is the MicroCool "Outdoor Cooling" salesman in Palm Springs area in California. In the summer months he is (of course) very busy. With daytime highs exceeding 120° (52°C); Bill's skills are always in demand.

This year, he rapidly exceeded sales budgets and targets for this period and has used the new MicroCool LD system to his advantage.

Desert Humidity's drop as low as 5% so MicroCool's cooling systems can offer residents and visitors temperature reductions up to 30°F (18°C) on patios and restaurants throughout the region.

The local area is a haven for holiday makers and golfers during the winter months, however more people are making this their "year round" home. Bill and MicroCool are always busy keeping Californians Cool.....!

## Craig's Corner

Operations Manager Craig Littleton is always on call to help out customers. Here are some tips to get the best from your MicroCool system.

### MicroCool Nozzles.

Everybody knows that nozzles do not last forever, but have you realized the implications of dirty nozzles?

As deposits and residue accumulates inside the nozzle, output will fall. Outdoor cooling customers can see a 50% reduction in cooling capacity with old nozzles! Humidification users can see longer run times and usage. Nozzles can be cleaned easily using MicroCool tools though it

may be more cost effective to install new nozzles and restore the system to it's original condition! If you have continuous problems with your nozzles, consider a Reverse Osmosis system to keep water optimized for use with a MicroCool system.—they are not as expensive as you may think!

### Oil Change?

Have you changed your oil? Now that the summer months are here; oil needs changing every 500 hours to keep the system running smoothly. *Use only a synthetic 15W-50 oil* for best results. [craig@microcool.com](mailto:craig@microcool.com).

## MicroCool

72-128 B Adelaid Street  
Thousand Palms CA 92276-2309 USA

Tel: +1-760-322-1111  
Fax: +1-760-343-1820  
email: [info@microcool.com](mailto:info@microcool.com)  
[www.microcool.com](http://www.microcool.com)

### Company Information

- Founded in 1981, MicroCool has pioneered the development of "Outdoor Cooling Systems" for Arid areas worldwide.
- Systems are used in various industries worldwide for cooling, humidification and "special effects".
- MicroCool® is a division of AxAir-Nortec Inc. ([www.humidity.com](http://www.humidity.com)) which is part of the AxAir Industrial Group specializing in Humidification for Industry worldwide [www.axair.com](http://www.axair.com)
- AxAir Industrial Group is part of the WMH Walter Meier Holdings AG [www.wmh.ch](http://www.wmh.ch)