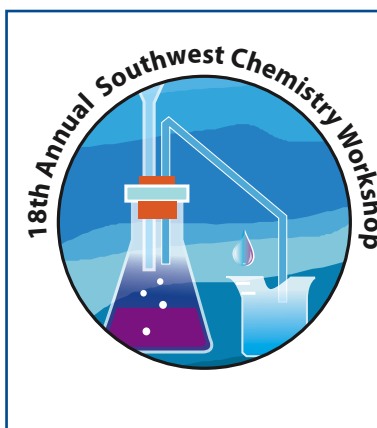


# Get help on all your water-related issues at one meeting

Most readers probably have never heard of the Southwest Chemistry Workshop (SCW), much less attended one of the annual conferences. It's different than most user meetings covered by the editors. First and foremost, the SCW focuses exclusively on powerplant water chemistry—for cooling systems, boilers, and wastewater treatment—at all types of plants: gas-turbine-based facilities, nuclear, coal-fired.

Second, this is, for lack of a better term, an ad hoc group with no chairman/steering committee structure typical of the user groups in the gas-turbine-based generation sector. It operates very well as an "extended-family." For example, one year Arizona Public Service Co will host the meeting, the next year NV Energy, and so on. Think of the workshops as family reunions with a serious business purpose.

Third, the SCW is very collaborative, interactive conference, with participation by users, consultants, and suppliers. The presentations and discussion are practical for the most part, allowing attendees to bring back to their plants ideas for dealing with nagging issues. It is nothing like



## 2009 workshop, June 23-24

Arizona Public Service Co's Four Corners Plant is hosting the 18<sup>th</sup> annual Southwest Chemistry Workshop, June 23-24, at the Courtyard by Marriott in Farmington, NM.

Reserve your seat today, even if you just think you *might* attend—this to help David Clifton and his team of volunteers (David Martin, Johnnie Pete, and E J Thornburg) better plan the event. E-mail Clifton at david.clifton@aps.com, or call him on 505-598-8606.

the "snooty" type of meeting typically conducted by water chemists in the electric power industry.

Fourth, don't think the "Southwest" in the title means the program is not of value to plants east of the Mississippi. It certainly is, except perhaps for the limited discussion on evaporation ponds.

**The 17th annual SCW** was sponsored by Sierra Pacific Resources and Nevada Power Co—since merged and renamed NV Energy—and held at the Red Rock Hotel and Casino, miles from the Strip's distractions, July 15-17, 2008. Forrest Hawman, at the

time the environmental supervisor at Reid Gardner Station, was conference chair.

Hawman, now operations manager for the 2 × 1 Silverhawk and 4 × 2 Chuck Lenzie Generating Stations, assumed responsibility for the meeting after the untimely passing of Jim Ellis, corporate chemist (Sidebar). Deb Henninger, NV Energy's generation group executive assistant, was flawless in managing the hotel arrangements and vendor fair, in organizing a team to handle registration of the more than 150 participants quickly and efficiently.

### Arizona Public Service Co's

Four Corners Plant is hosting the 2009 workshop, June 23-24 (through June 25 with the team-building events scheduled for Thursday), at the Courtyard by Marriott in Farmington, NM. David Clifton is on point for the meeting. He can be reached at david.clifton@aps.com and 505-598-8606; other contacts include David Martin at -8637, Johnnie Pete at -8605, and E J Thornburg at -8537. Write Clifton as soon as possible if you think you might attend; sooner if you're interested in presenting a paper.

## James M Ellis, 1955-2008

By most accounts, Jim Ellis was not just liked; he was loved. He was not just respected; he was revered.

Ellis' death was unexpected and sudden. It came just a few months before the 17<sup>th</sup> annual Southwest Chemistry Workshop of which he was the chairman and primary organizer.

Ellis was the chief chemist for Sierra Pacific Resources and Nevada Power Co and recognized as a proactive, collaborative leader. Bob Ott, manager of plant engineering and technical services summed up Ellis' recent successes this way: "Jim was primarily responsible for bringing

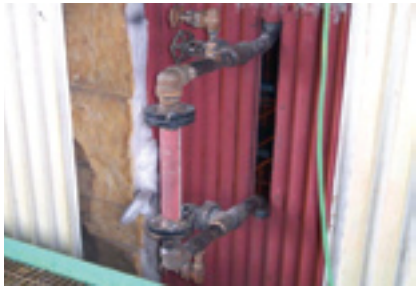


our fleet chemistry up to EPRI guidelines and best-in-class. We were well on our way at the time of his passing. Jim was the main driver on one of our continuous performance-improvement teams that reduced chemical procurement costs dramatically and won the corporate award for the best CPI team."

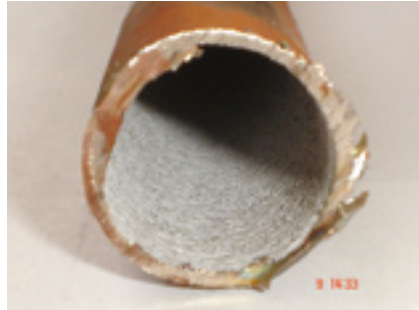
At the SCW meeting in Las Vegas, Bill Simko, NV Energy's director of generation engineering and former plant manager of the Silverhawk combined-cycle facility, reminded the group of Ellis' motto during his tribute, "There's no limit to what we can achieve when no one cares who gets the credit."

## The 17th SCW

There weren't more than a few minutes of free time during the two-and-a-half day 2008 meeting, which featured two-dozen formal presentations—13 by vendors, nine by users, and two involving both users and



**1. Test sample spool** (left) is particularly important to monitor progress in chemical cleaning to rid deposits like that at the right (access presentation 2)



**2. Silica deposit** (left) can be avoided with new silica inhibitor, say field tests. At right, a real-time monitor tracks results (access presentation 19)



vendors—and a couple of roundtable discussions. Q&A followed each presentation, some sessions quite lively.

About half a dozen presentations focused on instrumentation developments and applications; several on chemicals and chemistry control of cooling water, boiler water, and wastewater; even three on heat exchangers. They are available for your viewing at <http://swcc.nvadapower.com>. The list below should encourage you to access this unique site and see first-hand the value of participation in this June's workshop in Farmington. Note that presentations not generally applicable to GT-based plants are not included, but they are available on the Website.

1. "Improving ZLD Operational Performance," Ernest Griego, Redhawk Power Plant, Arizona Public Service Co.

2. "Chemical Cleaning of Multi-Layered Deposits and the Importance of Utilizing a Test Sample Spool During Boiler Chemical Cleaning," Lawrence Slabodnik and Brian DiFrango, BJ Process and Pipeline Services Co.

3. "The Role of Dissolved Oxygen and ORP Measurements in Power Plant Chemistry," David M Gray, Metler-Toledo Thornton Inc.

4. "Online Particulate Monitoring of the Steam/Water Cycle at Parts-Per-Trillion Levels," John Clark, Chemtrac Systems Inc.

5. "Reducing Particulate Loading on Settling Ponds at Four Corners," John-

nie Pete, Arizona Public Service Co.

6. "Chemical Specifications for Power Plants," Rob Peterson, Salt River Project.

7. "Those Sexy Scale Incices," Richard Breckenridge, Arizona Pub-



**3. Reverse osmosis improvements** reduce consumption of city water, electric bill (access presentation 10)

**4. Talk about scale!** Learn how to keep this from happening (access presentation 11)



lic Service Co.

8. "Optimization of the Corrosion Resistance of High-Performance Stainless Steel Tubing," Edward R Blessman, PE, Plymouth Tube Co.

9. "Incorporating Chemistry into the Plant Asset Management Program," Dave Bollinger, Desert Basin Generating Station, Salt River Project.

10. "San Diego Water Treatment Projects 2008," Frank Spencer, EPCORusa.

11. "ZLD: Nothing can go wrong,

go wrong, go wrong. . .," Timothy J Ritoff and Mark D Patterson, Veolia Water.

12. "Bighorn Generating Station Microfiltration Project," Ron Grove and Randy Richards, Reliant Energy; Donn Thomas, Pall Corp; Pat Caton, Ryan Herco Flow Solutions. Note: Reliant Bighorn recently was purchased by NV Energy.

13. "High pH Cooling-Water Programs," Dan Sampson, Nalco Co.

14. "Condenser and Heat-Exchanger Restoration Systems," Terry Quinn, CTI Industries Inc.

15. "Keep Your Samples Flowing," David Webster, PE, Solutions Inc.

16. "Quagga Mussel Biofouling and Infestation of the Surface Waters of the American Southwest," Lionel Fontes, Santan Generating Station, Salt River Project.

17. "Technology for Cleaning the External Surfaces of Air-Cooled Condensers," Gary Fischer, Conco Systems Inc.

18. "Advances in Ion Chromatography for the Power Industry," Kirk Chassaniol, Dionex Corp.

19. "New Silica Inhibitor," Juan Estrada, Reid Gardner Generating Station, NV Energy, and Jasbir Gill, George Peabody, and Montgomery Liu, Nalco Co. CCJ

**3. Reverse osmosis improvements** reduce consumption of city water, electric bill (access presentation 10)

**4. Talk about scale!** Learn how to keep this from happening (access presentation 11)



**5. Sample-panel design** best practices help assure problem-free analysis (access presentation 15)