

# **Industrial Water Treatment Qualifications of Michael Bukay, M.S.**

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## **DEIONIZED (DI) WATER HANDS-ON EXPERIENCE**

Conducted DI Water troubleshooting at:

- Bristol Labs, Electric Power Research Institute (EPRI), Pfizer, Genentech, Fujitsu, Kodak, Monsanto, General Instruments, Hewlett Packard, IBM, Data General, International Rectifier, Bendix, INMOS, Intel, Delco, Allied Signal, Advanced Micro Devices, Siliconix, Synertek, General Electric, Signetics, Northern Telecom, Miller Western, New United Motor Manufacturing Inc., and others.
- Supervised DI Water equipment start-up for many of the above companies.
- Developed cost & resource analysis spreadsheets for Hewlett Packard.

## **SOFTWARE DEVELOPMENT**

- President and co-founder of Westwind Software, Inc. Co-developed the Water System Detective™ software for Windows. The software is used in the start-up monitoring and optimization of water treatment systems.

## **TRAINING EXPERIENCE**

- Developed a 36 hour DI water training program for operators and has provided operator training to Syntex, Genentech, Shell, Amoco, Mobil, IBM, 3M, Nalco, Betz, Drew, Dow, Glegg, Goodyear, PG&E, DuPont, Westinghouse, IBM, Xerox, Kodak, Sybron, Ontario Hydro, AT&T, Air Products, Intel, Sony, Advanced Micro Devices, Motorola, National Semiconductor, Rockwell International, Arrowhead, Polymetrics, Ionics, US Filter and numerous other companies.
- Currently teach reverse osmosis fundamentals and troubleshooting techniques at the annual Ultrapure Water and Watertech conferences.
- Co-developed 8 training manuals for the Pipe Trades Training Center Local 393 in San Jose, CA for the apprentice training program for the pipefitting industry.
- Taught introductory and advanced classes on the operation and maintenance of high purity water systems at West Valley College in Silicon Valley.
- Was responsible for managing the technical content of the series of seminars "Fundamentals of High Purity Water Systems" sponsored by Ultrapure Water journal.
- Designed and managed a DI Water seminar titled "How to Maintain and Troubleshoot High Purity Water Systems," for Aqua Media.
- Trained field service engineers, consultants, and sales engineers on the operation and maintenance of Aqua Media RO/DI Equipment.

## **PUBLICATIONS**

- Authored over 25 published articles on water treatment.
- Wrote a DI Water troubleshooting column called "Information Exchange" for Ultrapure Water journal from 1984 to 1986.