

MARACOR Update

Issue No. 8

March 2007

Gap Closure...

Welcome to the latest semi-annual issue of **MARACOR Update**. Due to the latest revision to Reg. Guide 1.200 and the many NFPA-805 projects underway, getting each plant's internal events PSA "in shape" to support regulatory applications has become a high priority. We appreciate the trust our clients have put in us to help them assess and upgrade their PSAs to meet these new requirements.

MARACOR Software & Engineering, Inc. provides engineering consulting services and technical software development, primarily for the electric utility industry.

Our staff consists of experienced engineers with proven track records of technical capability, customer service, and on-time product delivery. Our service areas include Probabilistic Safety Assessment (PSA), Configuration Risk Management/Maintenance Rule support, PSA applications, reliability analysis, maintenance optimization, software applications, and cost-benefit analysis. We hope you consider **MARACOR** to support your technical consulting needs.

Recent Activities

For more information about any of these projects, please see the contact information provided at the end of this newsletter

PSA Enhancement and Applications

Maracor is providing internal events gap closure support for several NFPA-805 projects. At Ginna, gap closure work is being performed on a turn-key basis, and includes upgrades to most of the technical areas of the PSA. For ANO, Waterford, and Point Beach, Maracor staff members are working as part of client-led gap closure teams on specific technical issues. Maracor personnel are also providing NFPA-805 planning support for NMC.

Maracor has performed complete ASME PRA Standard gap

assessments and peer reviews for seven power stations over the past two years. Most recently, we also provided support for self-assessments at Point Beach and Prairie Island.

Maracor performed an independent review of the existing San Onofre fire PSA against the draft ANS Fire Standard. The results of this review will be used to guide model upgrade efforts by the San Onofre staff.

Maracor staff members are supporting Level 2 PSA upgrades for Millstone 3, Kewaunee, Wolf Creek, and Shearon Harris to help meet ASME requirements. Work also continues on the Kewanee SAMA for License Renewal.

Maracor personnel are supporting Dominion in conducting tornado missile hazard walkdowns for North Anna and Surry. Previously, similar support was provided for the Kewaunee station.

Configuration Risk Management (CRM)

In support of EPRI's Configuration Risk Management Forum (CRMF), an update of an industry-wide survey on CRM practices is planned for this summer. Maracor will also assist EPRI in its ongoing support for the Risk-Informed Technical Specifications Initiative 4B pilot projects.

Maracor is continuing its support of Callaway's shutdown DID modeling

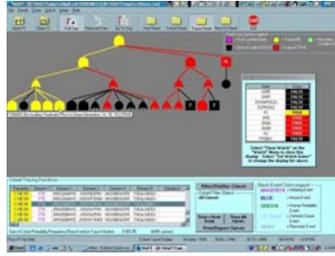
project to implement the STARS DID evaluation framework (previously developed by Maracor) by providing outage support training on the new model for plant staff.

A DID model upgrade project is also being completed for STP Units 1 and 2, also implementing this STARS DID framework.

Training Services

A training course will be held in April for Dominion PSA staff on compliance with Reg. Guide 1.200 and the ASME PSA Standard. This course will support Dominion's ongoing project to prepare for Reg. Guide 1.200 implementation.

Software Tools



VisFT Cutset Trace Display

Maracor develops and enhances software tools for PC Windows® desktop & Web-enabled uses. We can also develop custom tools to meet your specific needs.

Our current library of software tools include:

- **VisFT™ (Advanced Fault Tree Diagnostics).**
- **SM-UNCERT™ (uncertainty analysis)**
- **OPTIC™ (Cost-Benefit Analysis for T&D applications)**

Our tools can interface with many of the industry's PSA software suites.

Please contact us for more information about any of these products, or any plant-specific software development needs you may have.

Please visit our Web Site, www.maracor.com, to obtain additional information about our products and services. On our Web Site, you can also review our most recent news releases and product announcements. Additional copies of **MARACOR Update** are also available there for downloading.

New Additions to our Staff...

We are pleased to report that three new PSA professionals have joined our staff over the past few months to assist in meeting our increasing client demands for risk analysis services. **Greg Rozga** previously served as a senior PSA engineer for Exelon, Point Beach and D.C. Cook, and has prior experience as a PSA consultant. **James Young** was most recently a PSA engineer for Susquehanna, with particular experience with MSPI issues. He was previously employed as a PSA engineer for Pacific Gas & Electric and Con Edison. **Todd Reichardt** returns to the nuclear PSA industry after working in the DOE risk analysis, software development, and finance industries. He previously was part of River Bend's PSA staff.

How to Contact Us

MARACOR operates from three primary office locations, with additional personnel located in Delaware, Pennsylvania, Tennessee, Washington and Wisconsin. Please contact the office nearest to you for information about our capabilities and services:

Thomas Morgan
MARACOR
3615 Westchester Court
Middletown, MD 21769
(301) 371-3260
tmorgan@maracor.com

Diane Jones
MARACOR
175 – 57th Court
West Des Moines, IA 50266
(515) 221-0096
djones@maracor.com

Ray Dremel
MARACOR
1361 Towne Avenue
Batavia, IL 60510
(630) 406-8205
rdremel@maracor.com

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