

MARACOR Update

Issue No. 9

September 2007

So Much to Do!...

Welcome to the ninth semi-annual issue of **MARACOR Update**. Compliance with Reg. Guide 1.200 continues to be the main focus of our clients. Meanwhile, progress continues on NFPA-805 and other risk-informed applications. Our staff of experienced consultants along with our established relationships with specialty consulting firms gives us the ability to support all your risk assessment needs.

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

Progress continues on major internal events PSA upgrade projects for Dominion (for Reg Guide 1.200 compliance), Constellation (NFPA-805), and Entergy (NFPA-805). For Constellation, Maracor is working with AREVA NP to directly support the fire PSA development tasks for Ginna and other plants in the fleet. NFPA-805 support is also being provided to NMC for Point Beach and Prairie Island.

A parametric uncertainty analysis and the identification/evaluation of key assumptions & key uncertainties were recently

completed for the Millstone 3 PSA. Maracor is also assisting Dominion in updating its library of PSA procedures that are used to ensure compliance with Reg Guide 1.200, and we are supporting the conversion of the Surry PSA to EPRI's CAFTA™ code.

Maracor personnel continue to support PSA assessments against Reg Guide 1.200/ASME PRA Standard requirements, with recent assessments of North Anna & Millstone 2. Assessment support for Kewaunee and H.B. Robinson will be provided over the next few months.

New Plant PSA

For GE Nuclear Energy, Maracor supported the

development of the PRA-related portions of the recently-submitted Combined Operating License (COL) application for the STP 3&4 ABWRs. Project task support included the update of the internal events PRA to consider STP-specific features, external flooding evaluations, and Level 3 consequence analysis for the STP site.

Configuration Risk Management (CRM)

Planning for the next EPRI Configuration Risk Management Forum (CRMF) meeting is now underway. Maracor is also currently analyzing the results of an industry survey on CRM practices, to be published by EPRI this fall.

Training & Other Services

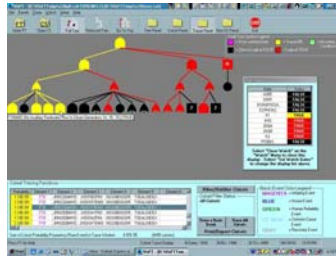
This December, the seventh in an annual series of seminars for Japanese utilities and regulators will be conducted. This year's topics include outage safety, on-line maintenance, and maintenance/ QA relationships.

A study was recently completed for a gas-fired power station operated by the city of Pasadena. The study included a survey of on-site chemical and other risks, a regulatory requirements review, and the development of a functional specification for an emergency warning system.

Software Tools

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

tools to meet your specific needs.



VisFT Cutset Trace Display

As part of our on-going support for SCE's power delivery organization, Maracor is assisting in developing automated tools to evaluate and optimize underground cable proactive replacement strategies. Previously, Maracor developed the OPTIC™ software package to perform reliability-based

cost-benefit analyses of substation and other distribution assets.

Other Maracor-developed software tools include:

- **VisFT™ (Advanced Fault Tree Diagnostics).**
- **SM-UNCERT™ (uncertainty analysis)**

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 announce the addition of our twelfth staff member, Ms. **Vicki Manning**. Vicki has nearly ten years of PSA experience in internal events PSA, shutdown modes PSA and external events analysis. She also has significant experience in industrial risk analysis and chemical process safety. In addition to providing consulting support to electric utilities and industrial facilities, she also founded and managed her own consumer event planning business.

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:

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