

MARACOR Update

Issue No. 7

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Fire PSA/NFPA 805

Welcome to the latest semi-annual issue of **MARACOR Update**. Many power plants are implementing Risk-Informed Fire Protection programs. To develop fire PSA models, the internal events PSA needs to be updated to meet the ASME Standard. We are proud to be assisting clients in preparing for and supporting these important NFPA 805 tasks.

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 (including NFPA 805)

Drawing on our significant experience in assessing PSAs and upgrading PSAs to meet current requirements, Maracor has recently performed the following ASME Standard independent assessments:

- Millstone 3 (Assessment/Gap Analysis for Power Uprate)
- Oconee (Assessment/Gap Analysis for NFPA 805)
- Wolf Creek (Peer Review of complete Level 1 & 2 PSA)
- Ginna (Assessment/Gap Analysis for NFPA 805)

As a follow-on to the Millstone assessment, Maracor is now assisting Dominion in updating the Millstone PSA and supporting the power uprate risk impact assessment.

For Constellation, we are working with our NFPA 805 partner, AREVA NP, to develop a fleet-wide plan for NFPA 805 implementation.

Maracor is currently assisting San Onofre in completing an update to their internal flooding PSA, as the last phase of the major PSA Upgrade project that we have been supporting since 2004.

For Kewaunee, Maracor is performing a Level 2 PSA update, as well as the Severe Accident Mitigating Alternatives

(SAMA) evaluation for License Renewal.

At Entergy, our staff is providing continuing PSA update support for several stations. For Progress Energy's Harris plant, we also recently supported several PSA update tasks.

Configuration Risk Management (CRM)

Maracor recently assisted the Callaway Plant in an assessment of their Defense-in-Depth (DID) shutdown risk management program. Using the results of that assessment, we are now working with Callaway to develop an updated DID program in Safety Monitor™. A similar DID implementation project has also just begun for South Texas Project.

Preparations with EPRI are underway for next January's Configuration Risk Management Forum (CRMF) annual meeting. Ongoing technical tasks being performed for CRMF by Maracor include the publication of a quarterly CRMF newsletter and the development of guidelines for implementing the key attributes of a quality CRM program.

Training Services

A Level 2 PSA training class will be conducted this fall for the PSA staff at Progress Energy.

As part of an ongoing series of training classes held in Japan each year, a two-day Maintenance Rule Performance Criteria development class will be held this fall in Tokyo.

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.

Our Client List Has Grown!

As we near the completion of four years of service to the utility industry in PSA and related applications, we are pleased to announce that we have now directly performed technical services for **over one-half of the nuclear power plants in the United States!** In addition, we support industry groups (such as EPRI) and various non-US clients. We appreciate the confidence that has been placed in us to perform a wide variety of risk and reliability-related services in support of both long-term and urgent-response analysis needs.

How to Contact Us

MARACOR operates from three primary office locations, with additional personnel located in Delaware, Pennsylvania, Tennessee, and Washington. On-site support can also be provided. Please contact the office nearest to you for information about our capabilities and services:

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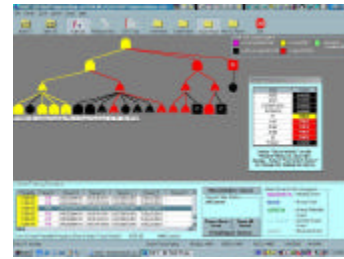
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Software Tools

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

Our current library of software tools include:

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



VisFT Cutset Trace Display

VisFT and SM-UNCERT are compatible with many PSA and CRM software tools, including CAFTA™, WInNUPRA™, EOOS™, and Safety Monitor™.

Please contact us for more information about any of these products.

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