

# MARACOR Update

Issue No. 10

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## Resource-Saturated...

Welcome to the current issue of **MARACOR Update**. "Resource-saturated" is how NEI recently described the PSA area. Reg. Guide 1.200 compliance & NFPA-805 activities continue to keep both utility and consultant staff busy! We are supporting many projects in these areas and we appreciate the flexibility that our clients have shown as we work together to meet their 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

Maracor has been supporting major projects for Constellation's NFPA-805 project (partnered with AREVA NP) and Dominion's fleet-wide R.G. 1,200 PSA update project. Recent activities include:

- Updates of Ginna's Accident Sequence, HRA, & Data analyses
- Systems Analysis support for Surry & North Anna,
- Initiating Events analysis & Data Analysis for North Anna
- LERF updates for Ginna and Surry.

Our staff also continues to assist

Point Beach and NMC in their NFPA-805 activities.

For Oconee, Maracor staff assisted in the update of the system notebooks to address R.G. 1.200 compliance.

Recent PSA applications projects include support for a LPCI Tech Spec change for Columbia, assistance in evaluating a SDP issue for Entergy, and evaluation of the tornado-induced risk of pre-outage preparations for Fort Calhoun.

### PSA Assessments

Our personnel assisted Progress Energy in conducting a R.G. 1.200 self-assessment of the H.B. Robinson PSA, assessed the Kewaunee

PSA for Dominion, and supported an assessment for Columbia. Maracor staff are also supporting BWROG Peer Reviews.

### Configuration Risk Management (CRM)

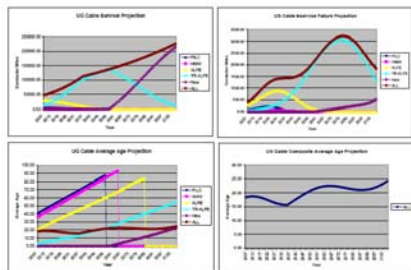
Maracor integrated seismic & fire risk models into the Safety Monitor™ CRM model for Surry. We also recently conducted Safety Monitor/CRM training sessions for Callaway's operations personnel

For EPRI's Configuration Risk Management Forum (CRMF), we completed a new survey of industry CRM practices (TR-1015098). A Heavy Load Lift CRM evaluation survey is now underway, with a best practices guide to be

issued by CRMF in mid 2008.

## 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.



OPTIC Forecasting Tool (OFT™) Display

Maracor is assisting SCE's power delivery organization in developing reliability-based tools to support the optimization of infrastructure replacement strategies. A new Excel/Visual Basic tool, OFT™, was recently added to the Maracor-developed OPTIC™ software suite to evaluate underground cable replacement and testing strategies.

Other Maracor-developed software tools include:

- **VisFT™ (Advanced Fault Tree Diagnostics).**
- **SM-UNCERT™ (Enhanced 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](http://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** (including previous issues) are also available there for downloading.

## We Just Celebrated Our Fifth Anniversary...

We achieved a significant business milestone at the end of December 2007. Over the past five years, we have seen our staff quadruple in size and we have been awarded (and successfully completed) contracts to provide reliability and risk assessment services for over one-half of the nuclear power stations in the US. Besides our US nuclear generation work, we have established working relationships with several international organizations and we also provide technical support for fossil generation and power delivery organizations as well. We thank all of our clients for the trust they have placed in us over the past five years, and we look forward to providing high quality services and products to the electric utility industry in the future.

## 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](mailto:tmorgan@maracor.com)

**Diane Jones**  
**MARACOR**  
175 – 57<sup>th</sup> Court  
West Des Moines, IA 50266  
**(515) 221-0096**  
[djones@maracor.com](mailto:djones@maracor.com)

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

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