

# Reliability-Centered Maintenance

*Do the “right thing” – and get maximum impact from your maintenance efforts.*

## What You Can Expect From This Seminar

The most effective maintenance approach is the one that strives for the required reliability at the lowest cost – without sacrificing safety and the environment. The key to success is “doing the right thing.”

In this basic seminar, you’ll discover that Reliability-Centered Maintenance (RCM) provides a disciplined approach to evaluating and selecting the right maintenance activities. You’ll gain the practical knowledge to perform an RCM analysis and learn how to set system boundaries, examine failure and failure consequences, and determine what effective maintenance is. The RCM process is a systematic way for you to determine what the “right thing” should be.

– **William R. Steele, Seminar Leader**

## Seminar Content

### DAY 1 AM

- Maintenance fundamentals
- Introduction to RCM
- The RCM approach
- System function and failure
- System identification and boundaries
- Consequences of failure
- Failure terms
- Group break-out project: selecting system and defining function

### DAY 1 PM

- Failure analysis
- Identifying system criticality
- Identifying probability of failure
- System reliability
- Maintenance approach
- RCM principles
- RCM flow charts
- Group break-out project: developing criticality and failure effects

### DAY 2 AM

- Condition monitoring
- Basic condition monitoring technologies
- Condition-based maintenance
- RCM implementation teams
- RCM effectiveness
- Continuous improvement

### DAY 2 PM

- Group break-out project: developing the maintenance approach
- System data analysis
- Setting monitoring periodicity
- Age exploration
- Failure rate analysis
- Maintainability and supportability

## Who Should Attend

Reliability professionals, engineering managers, engineers, maintenance supervisors, operations supervisors, planners, production managers, and those involved in reliability/maintenance improvement.

## How To Get the Most From This Seminar

- Come prepared to discuss your plant’s maintenance program.
- Plan to work with others to develop the RCM process on a real-world system.

“The course and the workbook materials are excellent tools for future reliability champions.”

– Robin Duguid, Southern Lumber Technical Resource Consultant, Weyerhaeuser Wood Products

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## About the Seminar Leader:

William R. Steele has more than 26 years’ experience designing and implementing maintenance programs for complex electro-mechanical systems. He has done work for nuclear-powered submarines, commercial power plants, the process industry, amusement parks, and NASA. Steele has assisted industry in performing a streamlined Reliability-Centered Maintenance analysis, including failure mode and effects analysis, and in considering the substitution of condition monitoring for interval-based maintenance.

THIS SEMINAR IS ALSO AVAILABLE  
ON SITE AT YOUR PLANT.  
Call 937-229-4632 for information.