

Introduction to Reliability Centred Maintenance

1 Day Course

RGC-RCM01



Rylson Group

Course Outline

Introduction to Reliability Centred Maintenance

Objective

To introduce participants to the philosophies and concepts of Reliability Centred Maintenance and enable them to make informed decisions about its introduction to the site program.

Benefits

- Staff better able to understand and support activities in regard to RCM.
- Understanding of RCM philosophy and what is required to support the implementation of a program on site.

Who Should Attend?

Production and Maintenance Managers, Supervisors, Operators and Tradespersons who want to maximise their plants mechanical availability and increase the companies' profitability.

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Introduction to theoretical and practical aspects of Reliability Centred Maintenance including determining organisational readiness, understanding the prerequisites, understanding the RCM process to provide support to your site as well as historical perspective of maintenance requirements.

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1.0 WELCOME AND INTRODUCTION

- Welcome and introductions
- Course overview
- Maintenance History
- Maintenance production costs
- Ideal maintenance program

2.0 WHAT IS RCM?

- Definitions
- The Seven Basic Questions
- History of RCM
- Other industries using RCM
- Benefits of RCM

3.0 PRE-REQUISITES FOR SUCCESSFUL INTRODUCTION

- General pre-requisites
- Elements of a Maintenance Program
- Priorities and Equipment Register
- Process for successful implementation

4.0 RCM – AN OVERVIEW

5.0 COMPLETING THE INFORMATION WORKSHEET

- RCM information worksheet
- Workshop – dilute HCL acid system

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6.0 CLASSIFYING FAILURES ACCORDING TO CONSEQUENCES

The RCM decision diagram overview

Hidden failures

Safety and environment failures

Production capacity

Cost of repair only

7.0 IDENTIFYING PREVENTABLE MAINTENANCE TASKS

Technically feasible

Worth doing

8.0 USING THE RCM DECISION DIAGRAM AND WORKSHEET

Workshop to complete the Decision Workshop

9.0 IMPLEMENTING THE PROGRAM

10.0 SELECTING AN RCM APPROACH