

Industrial Maintenance Management for Reliability Training Course Workbook

Contents

| | |
|--|----|
| The Evolution of Maintenance Practices | 2 |
| Mapping and Planning the Maintenance and Reliability Journey | 10 |
| Table of the Journey to Reliability and Maintenance Mastery | 11 |
| Defect and Failure Total Costing Spread Sheets | 13 |
| Example of a Quality Function Deployment (QFD) Matrix | 18 |
| Activity 1 – FMEA System Level | 19 |
| FMEA Component Level | 22 |
| Equipment Criticality Using Consequential Costs and Risk | 24 |
| Risk Identification and Analysis - Template 1 | 31 |
| Risk Treatment Schedule and Action Plan - Template 2 | 32 |
| Risk Matrix | 33 |
| Help from the DOCTOR | 34 |
| Activity 2 – Identify Pump Set Maintenance Requirements | 35 |
| Activity 3 – Develop a Preventive Maintenance Program for Pump Set | 37 |
| Activity 4 – Develop a Predictive Maintenance Program for Pump Set | 39 |
| Activity 5 – Develop an Implementation Plan for Maintenance Management | 41 |
| Free Trainee Assessment and Achievement Certificate | 43 |