***Maintenance in Transition – The Journey to World Class Maintenance*** is the 11th mining maintenance management textbook by Paul D. Tomlingson. Drawn from over 40 years of world-wide consulting experience, this classic textbook aims to help achieve and sustain maintenance performance levels that yield consistently reliable equipment and improved mining efficiency. Essential roles and proven actions are explained and illustrated in six realistic, practical phases. Mining professionals at all levels will find this book invaluable in creating a greater maintenance contribution to mining operations.

**PHASE 1 – ESTABLISHING IMPROVEMENT NEEDS**

01 Targeting World Class Maintenance

02 Assessing Maintenance Performance

**PHASE 2 – STABILIZING THE ENVIRONMENT**

03 Applying World Class Principles

04 Stating the Plant Production Strategy

**PHASE 3 – IMPLEMENTING THE PROGRAM**

05 Developing the Maintenance Program

06 Identifying Roles of Key Personnel

07 Implementing Preventive Maintenance

08 Utilizing Condition Monitoring

09 Planning Maintenance Work

10 Conducting Maintenance Scheduling

11 Facilitating Component Replacement

12 Implementing Reliability Centered Maintenance

13 Initiating Total Productive Maintenance

14 Establishing Effective Work Control

**PHASE 4 – UTILIZING INFORMATION**

15 Selecting Information Systems

16 Implementing Information Systems

17 Employing Work Order Systems

18 Utilizing Information

**PHASE 5 – ESTABLISHING THE ORGANIZATION**

19 Selecting Maintenance Organizations

20 Establishing Maintenance and Reliability Engineering

21 Conducting Maintenance Training

22 Obtaining Materials and Shop Services

23 Determining Workforce Size and Craft Composition

24 Applying Performance Indices

25 Measuring Productivity

26 Conducting Benchmarking Surveys

27 Establishing Cost Control

28 Making Equipment Replacement Decisions

29 Applying Quality Control

30 Utilizing Contractors

31 Managing Projects and Shutdowns

**PHASE 6 – SUSTAINING WORLD CLASS ACHIEVEMENT**

32 Achieving World Class Maintenance

**APPENDICES**

Appendix A – Maintenance Terminology

Appendix B – PM and Condition-monitoring Techniques

Appendix C – Maintenance Performance Standards

Appendix D – Duties of Key Personnel

Appendix E – Budgeting Techniques

***Book Strategy*** - There are no world class maintenance organizations. Rather, there are world class mining organizations that include a world class maintenance organization. Maintenance, by itself, is a service-provider. When that service is exceptional, it is made that way because maintenance is operating in an environment that requires it to be exceptional. Maintenance is not a ‘stand-alone’ effort by maintenance. Its success requires the joint supportive and cooperative efforts of all mine departments and the dedicated leadership of mine managers. When these conditions exist the considerable benefits of world class maintenance can be achieved.

***Engineering and Mining Journal*** and ***Coal Age*** have published a series of six featured articles based on the book. Tomlingson has published over 100 trade journal articles on maintenance management in ***Engineering and Mining Journal, Mining Engineering, Coal Age, Plant Engineering, Maintenance Technology, Uptime Magazine, Production Engineering, World Coal, Coal, Better Roads, Public Works, Ski Area Management*** and ***PIMA.*** His short stories have been published in ***The Monterey County Herald (California), The Vermont Sunday Magazine*** and ***The Grand County Gazette (Colorado).***

**Acknowledgements**

***Plant Engineering***– “The base of Tomlingson’s experience is important. He has the credentials to change traditional thinking both within maintenance and about maintenance. Many consultants come out of industry with knowledge based primarily on their employer’s plant.”

***Maintenance Technology***– “One of the greats of the maintenance and reliability profession.”

***Society of Mining, Metallurgy and Exploration*** – “Critical ‘big picture’ issues are brought to life, providing ideas and techniques to help solve the maintenance problems you’re grappling with today.”

**Book Purchase**: $ 95.00/copy. Free shipping in the US. Overseas shipping at cost. PayPal, personal check, bank transfer or bank draft.

**Powerpoint**: Powerpoint slides are available for all topics in the book. Please inquire.

**Professional Courtesy:** Upon request you may obtain an e-mail copy of any one chapter or appendix of the book (pdtmtc@msn.com).

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**Reviews:**

“The definitive what, who, how and why of maintenance management.”

“Shows how to create an environment and culture for maintenance to succeed.”

“Focuses all departments on the essential task of delivering reliable equipment.”

“Valuable to all managers who desire continuous improvement in maintenance operations.”

“All of maintenance is explored and explained with emphasis on practical, use it today advice.”

“Build, train and evaluate maintenance for greatest return in responsiveness and performance.”