



Standard Operating Procedure Preventative Maintenance

Page 1 of 5
ECN #
Effective:

SOP 7-016

Revision: 1

1.0 Purpose

- 1.1 To document the preventative maintenance process for manufacturing and test equipment.

2.0 Scope

- 2.1 Preventative maintenance applies to all manufacturing, testing and ancillary equipment that requires routine maintenance, repair, inspection, or adjustment.

3.0 Applicable Documents

- 3.1 FORM 0015 Preventative Maintenance Request Form
3.2 SOP 7-009 Calibration Procedure
3.3 SOP 7-014 Installation Qualification Procedure
3.4 QMSM Quality Management System Manual

4.0 Definitions

- 4.1 Equipment: Tooling or machinery used to manufacture or test products including controlled environment systems.
4.2 Preventative Maintenance System: A system that schedules and documents the preventative maintenance activity required and performed on process equipment.
4.3 Preventative Maintenance Procedure: A description of required actions to be performed on equipment.
4.4 Preventative Maintenance (PM): Scheduled equipment review, adjustment or repair to maintain equipment at optimum operating condition.
4.5 Preventative Maintenance Coordinator: An employee with responsibility to ensure the preventative maintenance activities are performed at the appropriate times.

5.0 Responsibilities / Authority

- 5.1 Originator: Responsible for ensuring equipment is entered into PM systems and for development of preventative maintenance procedures.
5.2 Quality Assurance: Reviews preventative maintenance requests, unscheduled maintenance and repairs, and related form approvals.
5.3 PM Coordinator: Responsible for issuing equipment identification numbers, ensuring all applicable equipment is on the preventative maintenance system. Reviews and approves all preventative maintenance documentation. Executes required maintenance at the scheduled times.

Preventive Maintenance Procedure Sample

Mark Steyvers

A red circular graphic with a gradient, appearing as a partial circle or a thick curved line, located to the right of the author's name.

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Hands On Water and Wastewater Equipment Maintenance, Volume I Barbara Renner, 2017-12-06 Hands On Maintenance for Water Wastewater Equipment deals with equipment maintenance as individual components not as complete machines This allows more information about the design application and maintenance requirements of machinery to be presented The text covers basic operating characteristics of machinery components making it a valuable reference source as well as a training and maintenance manual Written in easy to understand language without complex formulas or technical theories this text provides you with basic information to help you acquire a general understanding of how components function and how to keep equipment operating properly *Guidelines for Writing Effective Operating and Maintenance Procedures* CCPS (Center for Chemical Process Safety), 2011-11-30 The EPA investigation of a 1994 chemical plant tragedy concluded that the explosion resulted from a lack of written safe operating procedures While good written procedures can't guarantee zero accidents they can reduce the number of accidents caused by human error This new book shows how to remedy this problem through selecting and implementing actions that promote safe efficient operations and maintenance improve quality continuity profitability and cost control build upon and record process experience and promote the concept that operating and maintenance procedures are vital plant components It includes practical samples of procedure formats checklists and many references , *Rules of Thumb for Maintenance and Reliability Engineers* Ricky Smith, R. Keith Mobley, 2011-03-31 Rules of Thumb for Maintenance and Reliability Engineers will give the engineer the have to have information It will help instill knowledge on a daily basis to do his or her job and to maintain and assure reliable equipment to help reduce costs This book will be an easy reference for engineers and managers needing immediate solutions to everyday problems Most civil mechanical and electrical engineers will face issues relating to maintenance and reliability at some point in their jobs This will become their go to book Not an oversized handbook or a theoretical treatise but a handy collection of graphs charts calculations tables curves and explanations basic rules of thumb that any engineer working with equipment will need for basic maintenance and reliability of that equipment Access to quick information which will help in day to day and long term engineering solutions in reliability and maintenance Listing of short articles to help assist engineers in resolving problems they face Written by two of the top experts in the country *Managing Facilities for Results* Cheryl Bryan, 2007-03-19 Carving out new service areas within existing space forgoing massive additions or expensive new buildings offers a cost effective solution for budget conscious libraries Building from the proven Results Series model this volume dovetails with the basics outlined in The New Planning for Results A Streamlined Approach This new hands on workbook in the Results Series guides library directors staff and boards through the process to Prioritize new services that need space Make plans and identify an appropriate location Present the case to funding authorities Conduct a gap analysis Find resources to reallocate and see what new items are needed Identify building professionals to assist with alterations It s

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Procedures for Environmental Samples, January 1967 National Center for Radiological Health (U.S.),1967

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Manual for the Certification of Laboratories Analyzing Drinking Water ,1997 *Quality Assurance/quality Control (QA/QC) Procedures for Hazardous Waste Incineration* ,1990 *Military Standard* United States. Dept. of Defense,1971 **Clinical Engineering Handbook** Joseph F. Dyro,2004-08-27 As the biomedical engineering field expands throughout the world clinical engineers play an ever more important role as the translator between the worlds of the medical engineering and business professionals They influence procedure and policy at research facilities universities and private and government agencies including the Food and Drug Administration and the World Health Organization Clinical engineers

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Popescu,Richard Ryan,2006-06-13 Based on the authors combined experience of seventy years working on projects around the globe Construction Equipment Management for Engineers Estimators and Owners contains hands on how to information that you can put to immediate use Taking an approach that combines analytical and practical results this is a valuable reference for a wide r An Instructional Delivery System for Manpower Management Clemson University,1979

Reliability-Centered Maintenance: Management and Engineering Methods R.T. Anderson,L. Neri,2012-12-06 In this book the authors provide a fresh look at basic reliability and maintainability engineering techniques and management tools for ap plication to the system maintenance planning and implementation process The essential life cycle reliability centered maintenance ReM activities are focused on maintenance planning and the prevention of failure The premise is that more efficient and therefore effective life cycle main tenance programs can be established using a well disciplined decision logic analysis process that addresses individual part failure modes their consequences and the actual preventive maintenance tasks This premise and the techniques and tools described emphasize preventive not corrective maintenance The authors also describe the techniques and tools fundamental to maintenance engineering They provide an understanding of the inter relationships of the elements of a complete ReM program which are applicable to any complex system or component and are not limited only to the aircraft industry They describe special methodologies for improving the maintenance process These include an on condition maintenance OEM methodology to identify defects and potential deterioration which can determine what is needed as a maintenance action in order to prevent failure during use **Aircraft Accident Report** ,1978

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