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REFERENCE SYLLABUS

For

Power Engineer (Chief)



POWER ENGINEER (CHIEF)

SYLLABUS

Introduction

This Syllabus is intended to assist candidates studying for the Power Engineer (Chief) Examination.

Recommended Study Program:

It is recommended that, before undertaking this examination, the candidate completes Power Engineering Course of study, offered through a recognized and approved technical institute or training provider which addresses the Syllabus Outline.



POWER ENGINEER (CHIEF) SYLLABUS

Reference Syllabus for Power Engineer (Chief) Examination Candidates

Major Topic: Safety, Loss, and Environmental Program Management

Topic 1 Loss Control

Topic 2 Safety Legislation

Topic 3 Safe Work Programs

Topic 4 Emergency Response and Incident Investigation

Topic 5 Environmental Legislation

Topic 6 Environmental Management

Major Topic: Inspection, Maintenance and Repair Practices

Topic 1 Project Management

Topic 2 Maintenance Management Practices

Topic 3 Boiler Repairs

Topic 4 Pressure Vessel and Piping Repairs

Topic 5 Non-Destructive Examination

Topic 6 Rotating Equipment Maintenance

Topic 7 Rotating Equipment Monitoring

Major Topic: Business and Workforce Management (382 pages)

Topic 1 Business Management

Topic 2 Contract Management

Topic 3 Problem Solving and Decision Making

Topic 4 Leadership

Topic 5 Communication and Conflict Resolution

Topic 6 Labor Relations

Topic 7 Recruitment and Employee Development

Topic 8 Management Structures and Organization