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NATIONAL INSTITUTE FOR THE UNIFORM LICENSING OF POWER ENGINEERS, INC.
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REFERENCE SYLLABUS

For

Water Treatment Operator (1st Class)



WATER TREATMENT OPERATOR (1ST CLASS)

SYLLABUS

Introduction

This Syllabus is intended to assist candidates studying for the Water Treatment Operator (1st Class) 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.



WATER TREATMENT OPERATOR (1ST CLASS)

SYLLABUS

Reference Syllabus for Water Treatment Operator (2nd Class) Examination Candidates

Major Topic: Water Treatment Theory

Topic 1 Water Chemistry and Analysis

Major Topic: Water Pre-Treatment

Topic 2 Water Pre-Treatment I

Topic 3 Water Pre-Treatment II

Major Topic: Boiler Water Treatment

Topic 4 Internal Water Treatment I

Topic 5 Internal Water Treatment II

Major Topic: Water Treatment in Auxillary Systems

Topic 6 Wastewater Treatment

Topic 7 Non-Boiler Water Treatment



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REFERENCE SYLLABUS

For

Water Treatment Operator (2nd Class)



WATER TREATMENT OPERATOR (2ND CLASS)

SYLLABUS

Introduction

This Syllabus is intended to assist candidates studying for the Water Treatment Operator (2nd Class) 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.



WATER TREATMENT OPERATOR (2ND CLASS)

SYLLABUS

Reference Syllabus for Water Treatment Operator (2nd Class) Examination Candidates

Major Topic: Water Pre-Treatment

Topic 1 External Boiler Water Treatment

Topic 2 Boiler Water Pretreatment

Topic 3 Condensate Treatment

Major Topic: Boiler Water Treatment

Topic 4 Internal Boiler Water Treatment

Major Topic: Water Treatment in Auxillary Systems

Topic 5 Cooling Tower and Condenser Water Treatment

Topic 6 Recirculating System Water Treatment



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REFERENCE SYLLABUS

For

Water Treatment Operator (Plant Manager)



WATER TREATMENT OPERATOR PLANT MANAGER SYLLABUS

Introduction

This Syllabus is intended to assist candidates studying for the Water Treatment Operator (Plant Manager) 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.



WATER TREATMENT OPERATOR PLANT MANAGER SYLLABUS

Reference Syllabus for Water Treatment Operator (Plant Manager) Examination Candidates

Major Topic: Water Treatment Theory

Topic 1 Corrosion, Chemistry, and Processes

Topic 2 Boiler Corrosion

Topic 3 Corrosion, Monitoring, and Prevention Techniques

Topic 4 Corrosion Prevention Programs

Major Topic: Water Pre-Treatment

Topic 5 Water Pre-Treatment

Major Topic: Water Treatment

Topic 6 Internal Water Treatment

Major Topic: Water Treatment in Auxillary Systems

Topic 7 Non-Boiler Water Treatment

Major Topic: Water Treatment Management

Topic 7 Water Treatment Management