ACRONYMS

Department of Transportation
Office of Enforcement Programs (OSHA National Office)

DOT

Directorate of Enforcement Programs U.S. Chemical Safety and Hazard Information Board

COSHA

Chemical Safety and Hazard Investigation Board

CSB

Chemical Process Safety

CFR

Chemical Management Information System

CMI

Center for Chemical Process Safety

CCPS

ASME Boiler and Pressure Vessel Code

ACME

American Welding Society

AWS

American Society of Testing and Materials

ASTM

American Society of Non-Destructive Testing

ASNT

American Society of Mechanical Engineers

ASME

American Society of Mechanical Engineers

ASME

American Society of Heating, Refrigerating and Air-Conditioning Engineers

ASHRAE

American National Standards Institute

ANSI

American Institute of Chemical Engineers

AIChE

Authority having Jurisdiction (AHJ)

AHJ

American Gas Association

AGA

Assistant Area Director (OSHA)

ADM
Layer of Protection Analysis
Lower Flammable Limit

Inspection, Test, and Preventive Maintenance Tasks
International Organization for Standardization
Institution of Electrical and Electronics Engineers
Independent Protection Layer
Institutional Institute of Ammonia Refrigeration
Institute of Electrical and Electronics Engineers
International Electrotechnical Commission

Heel exchanges
Hydraulic Institute

Highly Hazardous Chemicals
HAZOP
HAZARDOP
HAZOPPER
Gas Processors Association

Fault Tree Analysis
Failure modes, effects, and criticality analysis
Failure modes and effects analysis
Factory Mutual
Field Inspection Reference Manual
Fitness for Service

Etched current testing
Electrostatic Prodecutor
Emergency Shutdown Procedure
Emergency Shutdown System
Emergency Operating Procedure
Emergency and Instrumentation

LOPA
LFL

ITP
ISO
ISA
ILP
IP
IAR
IEEE
IEC

HX's
HL
HGC
HAZOP
quality control

posted heat treatment

Pressure vessels

Pre-potential testing

Pressure safety valve

Pre-St بعد Safety Review

Process Safety Information

pressure relief valve

Positive Material Identification

Preventive Maintenance

Process Hazards Analysis

Probability of Failure on Demand

Process Flow Diagram

Piping & Instrumentation Diagram

original equipment manufacturer

Normal Operating Procedure

National Office (OSHA)

National Fire Protection Association

National Electrical Code

Nondestructive Examination

National Board Inspection Code

National Board Inspection Code and Pressure Vessel Inspection Code (NBIC)

National Board (of Boiler and Pressure Vessel Inspectors)

National American Industrial Classification System

National Association of Corrosion Engineers

Magnetic Particle Testing

management of change

Mechanical Integrity

OEM

NOP

NO

NFA

NEP

NE

NDT

NDE

NBC

NB

NACE

MT

MOC
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>VT</td>
<td>Visual Testing (Examination)</td>
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<tr>
<td>VCE</td>
<td>Vapor Cloud Explosion</td>
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<tr>
<td>UT</td>
<td>Ultrasonic Testing</td>
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<tr>
<td>USCG</td>
<td>U.S. Coast Guard</td>
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<tr>
<td>UPS</td>
<td>Uninterruptible Power Supply</td>
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<td>UL</td>
<td>Underwriters Laboratories Inc.</td>
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<tr>
<td>TML</td>
<td>Thickness Measurement Location</td>
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<tr>
<td>TEMA</td>
<td>Tubular Exchanger Manufacturers Association Test, Measurement and Evaluation</td>
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<tr>
<td>SMCMA</td>
<td>Synthetic Organic Chemical Manufacturers Association</td>
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<tr>
<td>SME</td>
<td>Subject Matter Expert</td>
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<tr>
<td>SIS</td>
<td>Safety Instrumented System</td>
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<tr>
<td>SI</td>
<td>Safety Instrumented System Level</td>
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<tr>
<td>SF</td>
<td>Safety Instrumented Function</td>
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<tr>
<td>SIC</td>
<td>Standard Industrial Classification</td>
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<tr>
<td>SHE</td>
<td>Safety, Health and Environmental</td>
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<td>SIE</td>
<td>Safety Critical Equipment</td>
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<tr>
<td>RT</td>
<td>Radiographic Testing</td>
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<tr>
<td>RP</td>
<td>Recommended Practice (e.g., API RP)</td>
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<tr>
<td>ROI</td>
<td>Return on Investment</td>
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<tr>
<td>RCI</td>
<td>Regional Office (OSHA)</td>
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<tr>
<td>RMP</td>
<td>Risk Management Program (U.S. EPA)</td>
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<tr>
<td>RIK</td>
<td>Reliability-In-Kind</td>
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<td>RCM</td>
<td>Reliability-Centered Maintenance</td>
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<td>RCA</td>
<td>Root Cause Analysis</td>
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<tr>
<td>RA</td>
<td>Risk-Based Inspection</td>
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<tr>
<td>RAGAGEP</td>
<td>Recognized and Generally Accepted Good Engineering Practices</td>
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<tr>
<td>RA</td>
<td>Regional Administrator (OSHA)</td>
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