



MPUA

Missouri Public Utility Alliance

E-Learning Network Course List



The MPUA E-Learning Network is a versatile, web-based information and training system that economically and efficiently supplements your municipality's hands-on training. The E-Learning Network provides fresh, up-to-date courses with these key features:

Introductory and Refresher Training

- Multiple libraries
- Hundreds of comprehensive courses covering a wide range of topics
- Missouri DNR operator certification for drinking water, wastewater and water distribution

Ease of Use

- 100% web interface
- Available to employees 24/7 from work or home
- Flexible training delivery in either individual or group settings
- Track employee training progress

E-Learning Network Course Library

May 2017

ENVIRONMENTAL, HEALTH, AND SAFETY

These courses promote sound work practices and are designed to satisfy many of the environmental, health, and safety regulations for initial and refresher employee training.

**Available in Spanish*

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| 001 Introduction to OSHA: Worker Rights (60 mins) | *813 Hearing Conservation (45 mins) |
| 002 Introduction to OSHA: Employer Responsibilities (60 mins) 7/16 | *814 Fire Extinguisher Basics (30 mins) |
| 100 Anthrax Awareness (40 mins) | 815 Process Safety Management (50 mins) 1/17 |
| 101 Severe Acute Respiratory Syndrome (SARS) (50 mins) | *819 Personal Protective Equipment (35 mins) 7/16 |
| 102 Pandemic Awareness (30 mins) | *820 Lockout/Tagout (40 mins) |
| *331 Heat Stress (30 mins) | *821 Respiratory Protection (35 mins) |
| *333 Basics of Electrical Safety (35 mins) 3/17 | *8220 Hazard Communication - Part 1 (45 mins) 1/17 |
| *334 Electrical Installations: Lockout/Tagout (20 mins) | *8221 Hazard Communication - Part 2 (30 mins) |
| *335 Electrical Installations: Energized Parts (30 mins) 7/16 | 823 Accident Investigation Overview (30 mins) |
| *336 Electrical Safety: Flexible Cord Equipment (25 mins) | *826 Hazards of Benzene (30 mins) |
| *337 Electrical Installations: Training and PPE (35 mins) | *827 Bloodborne Pathogens (35 mins) |
| *353 Field Hazard Recognition (40 mins) | 828 Hazards of Lead (35 mins) |
| *354 Forklift Operation and Safety (60 mins) | 829 Hazards of Hydrogen Sulfide (30 mins) |
| *355 Medical Surveillance, Screening, and Records (35 mins) | 830 Scaffold Safety (50 mins) |
| 356 Office Hazard Recognition and Response (75 mins) | *831 Fall Protection Systems (50 mins) |
| *801 Back Safety (35 mins) | *832 Fall Hazard Awareness (40 mins) |
| 802 Ergonomics (50 mins) | *833 Ladder Safety (30 mins) |
| 803 Wastewater Treatment: Activated Sludge (45 mins) | *834 Excavation Safety (55 mins) |
| 804 DOT Hazardous Materials: Hazardous Materials Table (45 mins) | 835 Hazards of Butadiene (35 mins) |
| 805 DOT Hazardous Materials: Shipping Papers (30 mins) | 836 RCRA: Handling and Shipping Hazardous Waste (45 mins) |
| 806 DOT Hazardous Materials: Marking (45 mins) 7/16 | 837 RCRA: Regulations for Hazardous Waste Generators (40 mins) |
| 807 DOT Hazardous Materials: Labeling (35 mins) 7/16 | 838 Hazards of Hydrofluoric Acid (30 mins) |
| 808 DOT Hazardous Materials: Placarding (35 mins) 7/16 | 839 Hydrofluoric Acid Procedures and Controls (40 mins) |
| *809 Hot Work Permits (30 mins) | *840 Asbestos Awareness (40 mins) |
| 810 DOT Hazardous Materials: Transportation Security (45 mins) | 841 Ionizing Radiation (60 mins) |
| *811 Confined Space Entry (55 mins) | 842 Hazmat Emergency Response (45 mins) |
| | 843 NORM in the Oil and Gas Industry (35 mins) |

LIQUEFIED NATURAL GAS (LNG)

The LNG Library includes courses based primarily on U.S. Department of Transportation, Department of Homeland Security, and NFPA standards.

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| 141 Characteristics and Hazards of LNG (25 mins) 5/16 | 147 LNG Plant Operations – Pumps and Compressors (30 mins) |
| 142 Potential Hazards – LNG Release (35 mins) | 148 LNG Plant Operations – Instrumentation and Controls (50 mins) |
| 143 LNG Operating Concepts Overview (30 mins) | 149 LNG Plant Operations – Transfer Concepts (65 mins) |
| 144 LNG Plant Operations – Gas Treating (30 mins) | 150 LNG Maintenance Concepts: Part 1 (35 mins) |
| 145 LNG Plant Operations – Liquefaction (30 mins) | 151 LNG Maintenance Concepts: Part 2 (40 mins) |
| 146 LNG Plant Operations – Storage and Regasification (40 mins) | |

HUMAN RESOURCES

These courses address employee performance issues as well as regulations affecting employment practices.

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| 196 Americans With Disabilities Act (ADA) (25 mins) | 208 Anger Management: Managing Your Anger (25 mins) |
| 197 Fair Labor Standards Act (FLSA) (30 mins) | 209 Time Management: Effective Prioritization (30 mins) |
| 198 Family and Medical Leave Act (FMLA) (40 mins) | 210 Time Management: Efficient Organization (25 mins) |
| 199 Email Etiquette (20 mins) | 211 Coaching and Counseling (20 mins) |
| 200 Telephone Etiquette (20 mins) | 212 Effective Listening Skills (25 mins) |
| 201 Sexual Harassment Awareness: Managers (25 mins) | 213 Safe Driving Skills (35 mins) |
| 202 Sexual Harassment Awareness: Employees (30 mins) | 214 Civil Rights Act – Title VII (25 mins) |
| 203 Workplace Violence (25 mins) | 215 Equal Pay Act (EPA) (15 mins) |
| 204 Diversity in the Workplace (30 mins) | 216 Age Discrimination in Employment Act (ADEA) (20 mins) |
| 205 Creating an Alcohol- and Drug-Free Workplace (35 mins) | 217 Sarbanes-Oxley Act: Ethics Awareness (45 mins) |
| 206 Recognizing Substance Abuse in the Workplace (95 mins) | 218 Sarbanes-Oxley Act: Overview for Managers (65 mins) |
| 207 Anger Management: Dealing With Angry Coworkers (20 mins) | |

FIRST RESPONDER TRAINING

Courses cover all topics in the NHTSA First Responder National Standard Curriculum and are a valuable addition to your first responder training program. Courses are approved for CEs under Texas Dept. of State Health Services On-Going Program #600196.

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| 401 Introduction to EMS Systems: Part 1 (70 mins) | 419 Bleeding and Soft Tissue Injuries (60 mins) |
| 402 Introduction to EMS Systems: Part 2 (40 mins) | 420 Burn Treatment (50 mins) |
| 403 Well-Being of the First Responder (45 mins) | 421 Bandaging and Splinting (45 mins) |
| 404 Legal and Ethical Issues (50 mins) | 422 Injuries to Muscles and Bones (45 mins) |
| 405 The Human Body (50 mins) | 423 Head and Spine Injuries (65 mins) |
| 406 Lifting and Moving Patients (50 mins) | 424 Emergency Childbirth (65 mins) |
| 407 Body Substance Isolation (45 mins) | 425 Pediatric Patient Assessment (40 mins) |
| 408 Interpersonal Communications (55 mins) | 426 Treatment Consent Issues (40 mins) |
| 409 Airway: Part 1 (50 mins) | 427 Clandestine Drug Labs (40 mins) |
| 410 Airway: Part 2 (40 mins) | 428 Domestic Violence (50 mins) |
| 411 Patient Assessment: Part 1 (40 mins) | 429 Basic First Aid (55 mins) |
| 412 Patient Assessment: Part 2 (70 mins) | 430 Responding to Terrorism (75 mins) |
| 413 Patient Assessment: Part 3 (70 mins) | 431 EMS Operations (50 mins) |
| 414 Circulation (85 mins) | 432 Fundamentals of Extrication (60 mins) |
| 415 Cardiopulmonary Resuscitation (CPR) (60 mins) | 433 Hazardous Materials (55 mins) |
| 416 Medical Emergencies: Part 1 (40 mins) | 434 Multiple Casualty Incidents (50 mins) |
| 417 Medical Emergencies: Part 2 (60 mins) | 435 Pediatric Medical Emergencies (45 mins) |
| 418 Behavioral Medical Emergencies (55 mins) | 436 Chemistry for First Responders (75 mins) |

HAZWOPER

The HAZWOPER library provides a comprehensive selection of topics for everyone from new hires to Incident Commanders. These courses also can be used as the foundation for satisfying the 8-hour HAZWOPER refresher training requirements outlined in OSHA's Title 29 CFR 1910.120.

850 Site Security and Control (30 mins)	862 Chemical Hazards (55 mins)
851 Site Characterization and Analysis (25 mins)	863 Physical Hazards (75 mins)
852 Regulations (45 mins)	864 Personal Protective Equipment (60 mins)
853 Hazards of Toxic Substances (50 mins)	865 Medical Surveillance (45 mins)
854 Identifying Hazardous Materials (55 mins)	866 Confined Space Entry (75 mins) <i>4/17</i>
855 Spill Response (45 mins)	867 Information Sources (35 mins)
856 Decontamination (40 mins)	868 Containment and Cleanup (25 mins)
857 Site Safety and Health Program (35 mins)	869 Rescue Equipment and First Aid (55 mins)
858 Site-Specific Safety and Health Plan (30 mins)	870 Lockout/Tagout Procedures (55 mins)
859 Training (30 mins)	871 Emergency Response Plan (45 mins)
860 Air Monitoring and Detection (40 mins)	872 Handling Drums and Containers (55 mins)
861 Sampling and Analysis (75 mins)	

GENERAL MAINTENANCE

These courses cover general maintenance tasks performed in a wide variety of industries. Introductory information is presented with an emphasis on safety.

351 Machine Guarding (30 mins)	417 Control Valves and Actuators (35 mins)
352 Aerial Lifts (35 mins)	432 Pressure Leak Testing Methods for Piping/Tubing (15 mins)
357 Crane Operator Communication (30 mins)	448 Controller Basics (35 mins)
381 Introduction to Hand Tools: Part 1 (35 mins)	704 Fabrication of Threaded Pipe (35 mins)
382 Introduction to Hand Tools: Part 2 (25 mins)	712 Pipe Hangers and Supports (25 mins)
383 Power Tools (50 mins)	715 Valve Installation and Maintenance (50 mins)
384 Basic Rigging (45 mins)	723 Introduction to Steam Traps (50 mins)
385 Slings (30 mins)	724 Thermostatic Steam Traps (20 mins)
386 Scaffolds (30 mins)	725 Mechanical Steam Traps (50 mins)
	726 Thermodynamic Steam Traps (50 mins)

CHEMICAL FACILITY SECURITY

Today, the threat of terrorism has added an imposing dimension to protecting petrochemical facilities. The Chemical Facility Security library provides comprehensive courses to help security personnel develop the vital edge they need to protect their workplaces.

950 Security Awareness (45 mins)	959 Information and Cyber Vulnerabilities (55 mins)
951 Threats to Petrochemical Facilities (25 mins)	960 Training Techniques (45 mins)
952 Security Vulnerability Assessment (65 mins)	961 Weapons and Dangerous Substances (65 mins)
953 Training Recommendations (30 mins)	962 Physical Searches and Screening Methods (85 mins)
954 Security Equipment (90 mins)	963 Site Search Methods (55 mins)
955 Testing, Calibration, and Maintenance of Security Equipment (60 mins)	964 Recognizing Persons Posing Risks (40 mins)
956 Facility Security Plan (40 mins)	965 Circumventing Security Measures (55 mins)
957 Emergency Response (55 mins)	966 Crowd Management (70 mins)
958 Emergency Preparedness Drills and Exercises (65 mins)	967 Hazardous Materials Awareness (75 mins)

INDUSTRIAL PROCESS FUNDAMENTALS

These courses provide basic knowledge to all plant personnel, but primarily focus on the plant operator. This series covers subjects common to most industrial plants. Topics are discussed in detail, emphasizing principles and theories.

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| 211 How Process Operators Can Reduce Costs (50 mins) | 226 Centrifugal Pumps (65 mins) |
| 212 Process Control Tests – Part 1 (30 mins) | 227 Positive Displacement Pumps – Part 1 (45 mins) |
| 213 Process Control Tests – Part 2 (20 mins) | 228 Positive Displacement Pumps – Part 2 (60 mins) |
| 214 Plant Firefighting: Fuels and Combustion (45 mins) | 229 Process Control Instruments (50 mins) |
| 215 Plant Firefighting: Use of Water (45 mins) | 231 Furnaces: Combustion and Air Control (40 mins) |
| 216 Plant Firefighting: Extinguishers and Foam (45 mins) | 232 Furnaces: Startup and Shutdown (40 mins) |
| 217 Plant Firefighting: Tactics and Strategy (45 mins) | 233 Distillation: Hydrocarbons (55 mins) |
| 218 Heat: Temperature and Heat (45 mins) | 234 Distillation: Fractionating Equipment (60 mins) |
| 219 Heat: Heat Transfer (50 mins) | 235 Distillation: Normal Operations (35 mins) |
| 220 Heat: Combustion and Fuel (40 mins) | 236 Accident Control Techniques (50 mins) |
| 221 Fluid Mechanics: The Nature of Fluids (25 mins) | 237 Compression in Industry – Part 1 (35 mins) |
| 222 Fluid Mechanics: Units of Measurement (20 mins) | 238 Compression in Industry – Part 2 (35 mins) |
| 223 Fluid Mechanics: The Behavior of Gases (35 mins) | 380 Basic Plant Mathematics (60 mins) |
| 224 Fluid Mechanics: Fluid Statics (45 mins) | 611 AC Motors (50 mins) |
| 225 Fluid Mechanics: Motion of Fluids (40 mins) | |

PROCESS OPERATIONS

These courses are aimed at process plant operators, but can also be useful to maintenance personnel. They are designed to minimize accidents and downtime by promoting safety and efficiency.

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| 612 Distillation Basics (60 mins) | 623 Operating and Troubleshooting Cooling Towers (35 mins) |
| 613 Operating Distillation Towers (30 mins) | 624 Reciprocating Compressors (30 mins) |
| 617 Reading P&IDs and PFDs (40 mins) | 625 Process Chemistry Basics (20 mins) |
| 618 Centrifugal Pump Basics (55 mins) | 626 Process Chemistry: Chemical Combinations and Properties (35 mins) |
| 619 Centrifugal Pumps: Installation, Troubleshooting, and Safety (45 mins) | 627 Process Chemistry: Organic Compounds (30 mins) |
| 620 Heat Exchangers (40 mins) | 629 Cargo Trucks (25 mins) |
| 621 Valves (35 mins) | 631 Tank Cars (40 mins) |
| 622 Introduction to Cooling Towers (40 mins) | 633 Reactors (55 mins) |

OPERATOR-PERFORMED MAINTENANCE

These courses are designed to help operations personnel perform the necessary maintenance tasks needed to keep an operations process online.

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| 301 Natural Feed Lubrication Systems: Maintenance (10 mins) | 312 Pipe Fitting Basics (10 mins) |
| 302 Filter Maintenance and Line Cleaning (15 mins) | 313 Pipe Materials of Construction (10 mins) |
| 303 Connecting Flanges (10 mins) | 314 Tube Cutting (10 mins) |
| 304 Installing Blinds (10 mins) | 315 Small Threaded Pipe Basics (10 mins) |
| 305 Stopping Pipe and Flange Leaks (10 mins) | 316 Common Tools (25 mins) |
| 306 Gauge Glass Maintenance Glass (10 mins) | 317 Tube Fittings (5 mins) |
| 307 Friction and Lubrication Basics (15 mins) | 318 Tube Installation (5 mins) |
| 308 Natural-Feed Lubrication Systems: Monitoring (15 mins) | 319 Valve Identification (10 mins) |
| 309 Manways (5 mins) | 320 Installing Valves (10 mins) |
| 310 Natural-Feed Lubrication Systems (10 mins) | 321 Stopping Valve Leaks (10 mins) |
| 311 Replacing Pressure and Temperature Gauges | 322 Wrenches (10 mins) |

MILLWRIGHT

These courses present the basics of the millwright craft. They include detailed information on millwright methods, techniques, common mechanical components, and maintenance and repair tasks.

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| 108 Cutting and Fitting Gaskets (25 mins) | 120 V-Belts & Positive Drive Belts (60 mins) |
| 109 Hydraulics & Pneumatics – Part 1 (40 mins) | 122 Mechanical Seals (40 mins) |
| 110 Hydraulics & Pneumatics – Part 2 (20 mins) | 125 Introduction to Chain Drives (25 mins) |
| 111 Hydraulics & Pneumatics – Part 3 (30 mins) | 126 Installation & Maintenance of Chain Drives (25 mins) |
| 112 Lubrication (25 mins) | 129 Introduction to Pumps – Part 1 (25 mins) |
| 113 Introduction to Bearings (25 mins) | 130 Introduction to Pumps – Part 2 (35 mins) |
| 114 Bearing Types & Maintenance (30 mins) | 131 Introduction to Pumps – Part 3 (25 mins) |
| 115 Introduction to Bearing Lubrication (20 mins) | 133 Shaft Alignment (35 mins) |
| 116 Greased Bearing & Oil Mist Lubrication (40 mins) | 134 Pump Seals & Seal Flushes (45 mins) |
| 117 Compression Packings (35 mins) | 135 Positive Displacement Pumps (40 mins) |
| 118 Automatic Packings (25 mins) | 136 Centrifugal Pumps (40 mins) |

MUNICIPAL: ENVIRONMENTAL, HEALTH, AND SAFETY

These courses promote sound work practices for municipal employees. They are designed to satisfy many of the environmental, health, and safety regulations for initial and refresher employee training.

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| 450 Municipal: Chlorine Safety (60 mins) | 459 Municipal: Lockout/Tagout (30 mins) <i>7/16</i> |
| 451 Municipal: Heat Stress (30 mins) | 460 Municipal: Hazard Communication (70 mins) |
| 452 Municipal: Basics of Electrical Safety (55 mins) | 461 Municipal: Bloodborne Pathogens (25 mins) |
| 453 Municipal: Back Safety (40 mins) | 462 Municipal: Ladder Safety (30 mins) |
| 454 Municipal: Ergonomics (35 mins) | 463 Municipal: Asbestos Awareness (45 mins) |
| 455 Municipal: Confined Space Entry (70 mins) <i>4/17</i> | 464 Municipal: Forklift Basics, Operation, and Safety (100 mins) |
| 456 Municipal: Hearing Conservation (45 mins) | 465 Municipal: Hot Work Permit (30 mins) |
| 457 Municipal: Fire Extinguisher Basics (30 mins) | 466 Municipal: Fall Protection (60 mins) |
| 458 Municipal: Personal Protective Equipment (25 mins) | |

OFF-THE-JOB SAFETY

These courses promote safety in areas of interest to the family at home, during recreational activities, during trips, and at school. They are designed for awareness of safety issues outside of the work environment.

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| 501 Poison Control (30 mins) | 516 Hypertension (25 mins) |
| 502 Stress Management (35 mins) | 517 Heat Stress Prevention (40 mins) |
| 503 Physical Fitness (30 mins) | 518 Fireworks Safety (30 mins) |
| 504 Spring Cleaning (35 mins) | 519 Skin Cancer (40 mins) |
| 505 Home Safety (50 mins) | 520 Bites and Stings (40 mins) |
| 506 Summer Safety (35 mins) | 521 Preventing Sports Injuries (40 mins) |
| 507 Have a Safe Trip (95 mins) | 522 Halloween Safety (15 mins) |
| 508 Back to School Safety (35 mins) | 523 Handling Food Safely (45 mins) |
| 509 Hunting Safety (35 mins) | 524 Toy Safety (55 mins) |
| 510 Fire Prevention (55 mins) | 525 Safe Driving Practices (30 mins) |
| 511 Winter Preparation (40 mins) | 526 Bicycle Safety (35 mins) |
| 512 Christmas Safety (30 mins) | 527 Boating Safety (55 mins) |
| 513 Weight Control (60 mins) | 528 Home Fall and Ladder Safety (30 mins) |
| 514 Child Passenger Safety (45 mins) | 529 Creating Streetwise Kids (55 mins) |
| 515 Smoking Awareness (25 mins) | |

Operator Qualification Course List

May 2017

DOT OPERATOR QUALIFICATION

These courses are designed to assist pipeline operators in meeting the requirements of the DOT Operator Qualification Rule. The DOT Operator Qualification Rule requires pipeline operators to develop and maintain a written qualification program for individuals performing covered tasks on pipeline facilities. The DOT also requires that pipeline operators qualify their workforce on covered tasks. The Operator Qualification Rule includes Subpart N 49 CFR Part 192 and Subpart G 49 CFR Part 195.

OPERATOR QUALIFICATION

001	Operator Qualification Summary (15 mins)	*4030	Pressure Testing Steel Pipelines – Gas (40 mins) 10/16
002	Introduction to the Natural Gas Industry (25 mins)	*4031	Pressure Testing Plastic Pipelines (35 mins)
003	Guidelines for Proctoring Tests and Evaluations (10 mins) 3/17	*407	Joining Steel Pipe Other Than by Welding (35 mins)
004	Documenting a Field Evaluation in eWebOOQ® (15 mins)	408	Maintaining and Repairing Pressure Limiting Devices (30 mins)
*0361	Electric Valve Actuators (40 mins)	*4090	Pipeline Repair: Grinding, Welding, and Sleeving (35 mins) 10/16
*0981	Backfilling (20 mins)	*4091	Pipeline Repair: Composites (25 mins)
100	Prevention of Accidental Ignition & Potential Ignition Sources (60 mins)	*4095	Pipeline Repair: Sleeving Including Helical Pipe (40 mins)
1010	Abnormal Operating Conditions: Recognize and React (40 mins)	*410	Cast Iron Joints (15 mins)
1011	Abnormal Operations and Safety-Related Conditions (15 mins)	*411	Pipeline Purging With Air and Gas (40 mins)
1012	Abnormal Operations (15 mins)	*4120	Hot Tapping (35 mins)
103	Characteristics and Properties of Natural Gas (55 mins)	*4121	Line Stopping (50 mins)
*105	CGIs and Flame Ionization Units (60 mins)	414	Abandonment of Facilities (45 mins)
*106	OSHA/DOT – Excavation Safety (60 mins)	*415	Installation of Anodes (25 mins)
*107	Pipeline Pigging (90 mins)	416	Pipeline Shutdown and Startup Planning (45 mins)
108	Work Zone Safety (20 mins)	*501	Cathodic Protection Troubleshooting (50 mins)
*200	Leak Survey & Leak Classification (100 mins)	*502	Cathodic Protection – Rectifiers (35 mins)
*201	Population Density Change & Pipeline Patrol (75 mins)	*503	Protective Coatings (45 mins)
205	Pipeline Crossings (65 mins)	*504	Installation of Test Stations (25 mins)
*206	Leak & Pipeline Failure Investigation (65 mins)	505	Cathodic Protection Criteria (40 mins)
*207	Investigating Pipeline Failure (15 mins)	*506	Electrical Insulator Inspections and Testing Casings (40 mins)
*244	Current Interrupters (20 mins)	*507	Internal Corrosion (45 mins)
*3000	Damage Prevention (35 mins)	*508	Interference: AC and DC (45 mins)
*3001	Locating and Marking Buried Pipelines (30 mins)	*5090	Structure to Electrolyte Surveys (40 mins)
*301	Vault Inspection and Confined Space Entry (75 mins) 4/17	5091	Basic Corrosion (25 mins)
305	Dehydration of Natural Gas (40 mins)	*5093	Close Interval Surveys (35 mins)
306	Dehydration with Triethylene Glycol (75 mins)	*510	Atmospheric Corrosion – Pipeline Operations (30 mins)
*400	Valve Actuators (45 mins)	5110	Rigging: Planning and Inspections (55 mins)
*4010	General Valve Maintenance (25 mins)	5111	Safe Rigging Practices (35 mins)
*4011	Plug Valve Maintenance (20 mins)	*600	Electric Arc Welding (95 mins)
*4012	Ball Valve Maintenance (25 mins)	*601	Welder Qualification (130 mins)
*4013	Gate Valve Maintenance (20 mins)	*602	Weld Repairs and Welding Procedures (60 mins)
*4020	Inspecting and Testing Pressure Limiting Devices (25 mins)	*604	Oxygen/Acetylene Welding & Cutting (90 mins)
*4021	Inspecting and Testing Regulators (30 mins)	*606	NDT: Magnetic Particle Inspection (35 mins)
*4022	Inspecting and Testing Control Valves (15 mins)	*607	NDT: Liquid Dye Penetrant Inspection (35 mins)
		608	Pipeline Integrity: High Consequence Area Field Surveys (30 mins)

OPERATOR QUALIFICATION (OQ) CONTINUED

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| *609 Dresser Coupled Pipelines (25 mins) | *705 Compressor Operation: Gas Path Integrity (70 mins) |
| *610 Ultrasonic Thickness Testing (35 mins) | *706 Compressor Operation: Power Cylinder Balancing (45 mins) |
| 7000 Compressor Station Operations and Safety (40 mins) | *800 Gas Control (60 mins) |
| *7001 Compressor Stations: Design and Emergency Planning (45 mins) | 900 Fundamentals of Electricity (95 mins) |
| *701 Reciprocating Compressor Units (85 mins) | *901 Basic Electronics: PLCs (70 mins) |
| *703 Compressor Operation: Turbine Units (95 mins) | 902 Basic Electronics: SCADA (105 mins) |
| *704 Compressor Operation: Compressor Cylinders (60 mins) | 1200 Underground Storage of Natural Gas and Liquids (95 mins) |
| | *1312 Aerial Patrol (30 mins) |

OQ DISTRIBUTION

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| *202 Odorization: Concentration Testing (70 mins) | *418 Installation of Plastic Mains and Services – Part 2 (55 mins) |
| *404 Plastic Pipe Fusion (100 mins) | 419 Natural Gas Operations and Maintenance Safety (70 mins) |
| *404 Plastic Pipe Fusion – Spanish Version (100 mins) | *420 Installation of Steel Mains and Services (65 mins) |
| *405 Electrofusion (70 mins) | *421 Pipeline Tie-In Methods (35 mins) |
| *406 Mechanical Fittings (65 mins) | *500 Atmospheric Corrosion – Distribution Operations (40 mins) |
| 413 Up-Rating Pipeline Systems (65 mins) | *1221 Install Meters and Regulators - Residential (50 mins) |
| *417 Installation of Plastic Mains and Services – Part 1 (45 mins) | *1231 Install Meters and Regulators - Commercial (60 mins) |

OQ LIQUIDS PIPELINE

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| LQ100 LQ: Subpart H – Corrosion Control (30 mins) | *LQ800 LQ: Pipeline System Control (65 mins) |
| *LQ201 LQ: Pipeline Patrol (50 mins) | *LQ901 LQ: Programmable Logic Controllers (125 mins) |
| *LQ202 LQ: Pressure Testing Steel Pipelines (35 mins) | *LQ902 LQ: Pressure Switches (50 mins) |
| *LQ300 LQ: Marking Pipelines – Temporary and Permanent (65 mins) | *LQ903 LQ: Pressure Transmitters (60 mins) |
| *LQ400 LQ: Below Ground Pipe Coatings & Exposed Pipe (85 mins) | *LQ0271 LQ: LQ: Meter Maintenance and Proving (35 mins) |
| *LQ415 LQ: Installation of Anodes (50 mins) | *LQ0293 LQ: Flushing and Purging Pipeline Systems (40 mins) |
| *LQ416 LQ: Conduct Annual Surveys (110 mins) | *LQ0401 LQ: Inspecting and Testing Control Valves (25 mins) |
| *LQ501 LQ: Cathodic Protection Troubleshooting (70 mins) | LQ1012 LQ: Abnormal Operations (15 mins) |
| *LQ502 LQ: Rectifier Inspections (80 mins) | *LQ1100 LQ: Cathodic Protection – Aboveground Storage Tanks (70 mins) |
| *LQ504 LQ: Installation of Test Stations (50 mins) | *LQ1102 LQ: Inspection - Aboveground Storage Tanks (60 mins) |
| *LQ508 LQ: Interference (AC and DC) (60 mins) | *LQ1641 LQ: Pigging: Launching and Receiving (55 mins) |
| *LQ707 LQ: Introduction to Compressor and Pump Operations (85 mins) | *LQ2350 LQ: Aboveground Storage Tank Overfill Protection (70 mins) |

OQ DOT COMPLIANCE

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| 850 Public Awareness (35 mins) | 854 Accident/Incident Investigation Overview (30 mins) |
| 851 DOT Drug Awareness (75 mins) | 858 System Control: Fatigue Management for Supervisors (30 mins) |
| 852 DOT Alcohol Awareness (60 mins) | 859 System Control: Fatigue Management for Controllers (30 mins) |
| 853 Contractor Safety (20 mins) | 860 System Control: Control Room Management Regulations (30 mins) |

OQ EMERGENCY RESPONSE AND PLANNING

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| 102 | Emergency Plans & Public/Contractor Education (100 mins) | ER1305 | Pipeline Security Planning (50 mins) |
| ER1300 | Facility Response Plan for Hazardous Liquids Pipelines (25 mins) | ER1306 | Corporate Emergency Management Plan (20 mins) |
| ER1301 | Emergency Response Plan for Natural Gas Pipelines (25 mins) | ER1308 | SPCC Plans for Non-Production/Bulk Storage Facilities (35 mins) |
| ER1302 | Working With the Media During an Emergency (35 mins) | ER1309 | SPCC Plans for Onshore Production Facilities (35 mins) |
| ER1304 | Pandemic Preparedness: What Every Employee Should Know (30 mins) | | |

OQ ENVIRONMENTAL

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| 855 | Introduction to Waste Management and Minimization (50 mins) | 8561 | Air Permitting Awareness (20 mins) |
| 856 | Air Permitting for Supervisors (25 mins) | 857 | Environmental Awareness (30 mins) |

OQ INSTRUMENT USE AND CARE

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| *903 | Using the DTEX Odorant Detection Instrument (30 mins) <i>4/17</i> | *907 | Using the Radiodetection Pipe Locator (75 mins) |
| *904 | Using the Heath ODORATOR® (15 mins) | *908 | Using the Metrotech Pipe Locator (60 mins) |
| 905 | Using the Heath Gasurveyor® 3-500 (30 mins) | *909 | Ditch Witch® Pipe Locators (40 mins) |
| 906 | Using the T82 Single Gas Monitor (20 mins) | 910 | Using a Digital Multimeter (45 mins) |

OQ HUMAN RESOURCES

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|--------|---------------------------------------|--------|---|
| HR1000 | Human Performance Systems (40 mins) | HR1004 | Incident Command System and Natural Gas Emergencies (35 mins) |
| HR1001 | The Mentoring Process (65 mins) | HR1005 | Ethics and Compliance (50 mins) |
| HR1002 | Job Performance Evaluations (35 mins) | HR1006 | Management of Change (35 mins) |
| HR1003 | Effective Media Relations (35 mins) | HR1007 | Right-of-Way Agent Training: Landowner Communications (30 mins) |