TOPSIDE

Our covered tasks are designed to meet or exceed the DOT requirements for Operator Qualification

OQSG
A Smith System Company

CT0031: Inspect and Monitor Galvanic Ground Beds/Anodes	**CT0631:** Perform NDT: Ultrasonic Testing	* **CT14:** Application and Repair of External Coatings
* **CT01:** Conducting Annual Cathodic Protection Surveys	**CT0634:** Perform NDT: Magnetic Flux Leakage of Breakout Tanks	* **CT15:** Place and Maintain Line Markers
CT01.2: Measure Structure-to-Electrolyte Potential	**CT0637:** Perform NDT: Vacuum Box Inspection	**CT16A:** Inspect Surface Conditions of Right-of-Way and Perform Leak Surveys (Aerial Patrols)
* **CT02:** Maintain Test Leads	**CT06J:** Electrical Inspection of Coatings	* **CT16G:** Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Gas Pipelines
CT0221: Inspect, Test and Maintain Temperature Transmitters	* **CT07:** Measure Wall Thickness	**CT16L:** Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Liquid Pipelines
CT0241: Operate, Maintain, and Configure Flow Computers	**CT0721:** Joining of Pipe: Threaded Joints	**CT17:** Inspect Navigable Waterway Crossings
CT0261: Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging	* **CT08:** Conducting Cathodic Protection Remediation	* **CT18:** Inspection of Breakout Tanks
CT0271: Prove Flow Meters	**CT08.5:** Perform Exothermic Welding	* **CT19:** Provide Temporary Marking of Buried Pipeline Prior to Excavation
CT0281: Maintain Flow Meters	* **CT09:** Monitoring for Internal Corrosion	* **CT20:** Inspection Following Excavation Activities and Leak Survey after Blasting
CT0291: Inspect, Test and Maintain Gravitometers and Densitometers	**CT09.3:** Collecting a Sample of Pipeline Contents	**CT21:** Provide Security for Pipeline Facilities
* **CT03:** Inspect Cathodic Protection Rectifiers	* **CT10:** Inspect (Examine) Buried Pipe When Exposed	* **CT22:** Inspect Valves
* **CT04:** Cathodic Protection Rectifier Maintenance and Repair	**CT100:** Cold Cutting	* **CT23:** Repair Valves
* **CT0451:** Manual Startup and Shutdown of Pumps	**CT101:** Operate and Maintain Closure Devices	**CT24:** Inspect, Test and Calibrate Relief Valves
* **CT05:** Electrically Inspect Bare Pipe	**CT1081:** Tapping a Pipeline (Tap Diameter 2 Inches or Less)	**CT25:** Maintain/Repair Relief Valves
CT0591: Leak Test at Operating Pressure	**CT1082:** Install Completion Plugs (Tap Diameter 2 Inches or Less)	**CT26:** Inspect, Test and Calibrate Pressure Limiting Devices
* **CT06.2:** Inspection of Coatings	**CT11:** Inspect and Calibrate Overfill Protective Devices	**CT27:** Inspect, Test and Calibrate Pressure Switches and Transmitters
* **CT06.3:** Perform Surface Preparation	**CT110:** Grinding, Sanding, or Buffing on Steel Pipeline	**CT28:** Verifying or Setting Protection Parameters for Programmable Controllers and/or Instrumentation Control Loops
* **CT06.4:** Perform Coating Application	**CT12:** Internal Corrosion Remediation	* **CT29:** Moving In-Service Pipe
CT0601: Perform NDT: Radiographic Testing	**CT1291:** Locate Underground Pipelines	**CT30:** Inspect Existing Pipe Following Movement
CT0611: Perform NDT: Liquid Penetrant Testing	**CT13:** Inspect Internal Pipe Surfaces	* **CT31:** Inspection of Clearance of Existing Pipe to Underground Structures
CT0621: Perform NDT: Magnetic Particle Testing	**CT1301:** Install and Maintain Pipeline Markers	* **CT32:** Abandoning, Safe Disconnect, Purging, and Sealing of Pipeline Facilities

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* Includes Partial Skills Assessments

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* **CT33:** Installation, Replacement, or Repair of Support Structures on Existing or New Aboveground Components	* **CT45:** Perform Leakage Survey	**CT72:** Join Plastic Pipe: Electrofusion
* **CT34:** Inspection Activities for Tie-ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline	**CT46:** Vault Maintenance	**CT73:** Join Plastic Pipe: Socket Heat Fusion
* **CT35:** Backfilling a Trench Following Maintenance	* **CT47:** Install Electrical Insulating Device	**CT96:** Remove Casings
CT36.2: Install Welded Tight Fitting Sleeves	* **CT48:** Purge a Pipeline	**CT99:** Cutting on Steel Pipeline
CT36.3: Perform Over-sleeve Repair	**CT49:** Operate Air Movers	**CTCLF:** Catastrophic Line Failure
CT36.4: Perform Composite Wrap Sleeve Repair	**CT50:** Testing an Emergency Shutdown Device	**CTCRE:** Control Room Emergency Response
CT36.5: Install Mechanical Split Sleeve Repair	**CT51:** Perform Incremental Pressure Increases to Uprate MAOP	**CTFM:** Fatigue Management
CT36.6: Install Mechanical Coupling	* **CT52:** Operate Odorant Equipment	**OQ-EVAL-Doc:** Correctly Document Skills Assessment Forms
CT36.7: Perform Hot Tapping	**CT54:** Gas Detection and Alarm System Maintenance and Performance Testing	
CT36.8: Install Pipeline Plugs	* **CT55:** Isolation of a Gas Compressor Unit	
CT36.9: Install Completion Plugs	**CT56:** Compressor Station Inspection and Testing of Remote Control Shutdown Devices	
CT37: Conduct Pressure Test	* **CT57:** Startup, Shutdown, and Operation of Turbine Driven Gas Compressor Unit	
* **CT38:** Maintenance Welding on Pipelines	* **CT58:** Start-up, Shutdown, and Operation of an Engine Driven Gas Compressor Unit	
* **CT39:** Operations of a Pipeline System	* **CT59:** Install and Monitor Vapor Barriers	
* **CT39F:** Field Operations of a Pipeline System	**CT60:** General Abnormal Operating Conditions	
CT39F.4: Operate Valves Using Manual or Remote Methods	* **CT61:** Documentation, Reporting, and OQ Recordkeeping	
* **CT40:** Computational Pipeline Monitoring (CPM)	**CT62:** Inspecting and Remediating Pipeline Hazard Protection	
* **CT41:** Operate Pressure Relieving Devices for Launching and Receiving Facilities	**CT63:** Inspect Tank Pressure/Vacuum Breakers	
* **CT42:** Performing Maintenance on Valves	**CT65:** Damage Prevention During Excavation Activities By or On Behalf of the Operator	
* **CT43:** Perform Flange Bolting Procedures	**CT70:** Join Plastic Pipe: Butt Heat Fusion	
* **CT44:** Tubing and Tube Fitting, Handling, and Installation	**CT71:** Join Plastic Pipe: Sidewall Heat Fusion	

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TOPSIDE

CT0031: Inspect and Monitor Galvanic Ground Beds/Anodes

Explains and evaluates inspecting and monitoring galvanic ground beds/anodes, obtaining structure-to-electrolyte and current output readings, and potential abnormal operating conditions.

24 min.

CT01: Conducting Annual Cathodic Protection Surveys

Explains and evaluates measuring structure-to-electrolyte potential, performing close interval surveys and interference testing, testing electrical isolation, inspecting and testing bonds, inspecting for atmospheric corrosion, and potential abnormal operating conditions.

80 min.

CT01.2: Measure Structure-to-Electrolyte Potential

Explains and evaluates elements of cathodic protection surveys, measuring structure-to-electrolyte potential, and potential abnormal operating conditions.

43 min.

CT02: Maintain Test Leads

Explains and evaluates visually inspecting test leads, determining test lead continuity, measuring structure-to-electrolyte potential, repairing and replacing damaged test leads, and potential abnormal operating conditions.

49 min.

CT0221: Inspect, Test and Maintain Temperature Transmitters

Explains and evaluates the use, inspection, testing, maintenance, verification, and calibration of temperature transmitters and potential abnormal operating conditions.

34 min.

CT0241: Operate, Maintain, and Configure Flow Computers

Explains and evaluates operation, maintenance, and configuration of flow computers and potential abnormal operating conditions.

44 min.

CT0261: Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging

Explains and evaluates tank gauging and different types of tank gauging devices, inspection, testing, and corrective and preventative maintenance of tank gauging, and potential abnormal operating conditions.

44 min.

CT0271: Prove Flow Meters

Explains and evaluates flow meter proving, establishing repeatability, calculating meter factor, and potential abnormal operating conditions.

43 min.

CT0281: Maintain Flow Meters

Explains and evaluates flow meter maintenance, device removal and reinstallation, performing meter loop integrity check, and potential abnormal operating conditions.

47 min.

CT0291: Inspect, Test and Maintain Gravitometers and Densitometers

Explains and evaluates inspecting, testing, calibrating, and maintaining gravitometers and densitometers, calculating density correction factor, removing and reinstalling device, performing loop integrity check, and potential abnormal operating conditions.

43 min.

CT03: Inspect Cathodic Protection Rectifiers

Explains and evaluates inspecting cathodic protection rectifiers, measuring structure-to-electrolyte IR drop readings, determining protection adequacy, and potential abnormal operating conditions.

37 min.

CT04: Cathodic Protection Rectifier Maintenance and Repair

Explains and evaluates inspecting rectifier cabinets, testing transformers, fuses, and rectifier assemblies, adjusting tap settings, and potential abnormal operating conditions.

56 min.

CT0451: Manual Startup and Shutdown of Pumps

Explains and evaluates verifying pumps, per-forming prestart, post-start, and postrun in-spections, manually starting up and shutting down pumps at the driver control panel, and potential abnormal operating conditions.

49 min.

CT05: Electrically Inspect Bare Pipe

Explains and evaluates inspection interval, measuring soil resistivity and soil-to-soil potential, and potential abnormal operating conditions.

36 min.

CT0591: Leak Test at Operating Pressure

Explains and evaluates performing gas leakage surveys, leak tests at operating pressure, and potential abnormal operating conditions.

29 min.

CT06.2: Inspection of Coatings

Identifies the practices necessary to inspect for atmospheric corrosion, inspect coatings before, during, and after the application process, and identify and respond to abnormal operating conditions.

51 min.

CT06.3: Perform Surface Preparation

Identifies the practices necessary to prepare a pipeline surface prior to the application of a protective coating and recognizing and reacting to abnormal operating conditions.

72 min.

CT06.4: Perform Coating Application

Identifies the practices necessary to apply protective coating, ensures post coating actions are taken, and recognizing and reacting to abnormal operating conditions.

56 min.

CT0601: Perform NDT: Radiographic Testing

Explains and evaluates inspecting and calibrating radiographic equipment, preparing the test area, positioning imaging media and exposure device, interpreting test results, and recognizing and reacting to abnormal operating conditions.

36 min.

CT0611: Perform NDT: Liquid Penetrant Testing

Explains and evaluates preparing a surface for nondestructive testing, applying penetrants, removers, and developers, inspecting for indications, and recognizing and reacting to abnormal operating conditions.

41 min.

CT0621: Perform NDT: Magnetic Particle Testing

Explains and evaluates preparing a surface for nondestructive testing, introducing a magnetic field, applying particle medium, inspecting for indications, and potential abnormal operating conditions.

35 min.

CT0631: Perform NDT: Ultrasonic Testing

Explains and evaluates performing ultrasonic testing, evaluating results for indications, and recognizing and reacting to abnormal operating conditions.

33 min.

CT0634: Perform NDT: Magnetic Flux Leakage of Breakout Tanks

Explains and evaluates removing large debris from tank bottoms, scanning tank bottoms, marking indications, and recognizing and reacting to abnormal operating conditions.

29 min.

CT0637: Perform NDT: Vacuum Box Inspection

Explains and evaluates preparing a surface for nondestructive testing, applying leak detection solution, applying vacuum, observing for bubble formations, and recognizing and reacting to abnormal operating conditions.

34 min.

CT06J: Electrical Inspection of Coatings

Explains and evaluates grounding structures and detectors, determining minimum effective voltage, operating voltage detectors, and potential abnormal operating conditions.

20 min.

CT07: Measure Wall Thickness

Explains and evaluates measuring pit depth using a pit gauge, measuring pipe wall thickness with an ultrasonic thickness meter, collecting RSTRENG Data, and potential abnormal operating conditions.

30 min.

CT0721: Joining of Pipe: Threaded Joints

Explains and evaluates choosing, connecting, and inspecting threaded joints and potential abnormal operating conditions.

24 min.

CT08: Conducting Cathodic Protection Remediation

Explains and evaluates installing electrical bonds, galvanic and impressed current anodes, transformer/rectifiers, and test stations; performing exothermic welding; locating, monitoring, and clearing shorted casing; and recognizing and reacting to abnormal operating conditions.

108 min.

CT08.5: Perform Exothermic Welding

Explains and evaluates preparing a structure for exothermic welding, making and verifying connections, and recognizing and reacting to abnormal operating conditions.

33 min.

CT09: Monitoring for Internal Corrosion

Explains and evaluates how to safely extract or insert corrosion coupons and probes, collecting pipeline content samples, and potential abnormal operating conditions.

49 min.

CT09.3: Collecting a Sample of Pipeline Contents

Explains and evaluates how to safely collect pipeline content samples and recognize and react to potential abnormal operating conditions.

30 min.

CT10: Inspect (Examine) Buried Pipe When Exposed

Explains and evaluates inspecting pipe and components for physical damage, coating damage, corrosion, and potential abnormal operating conditions.

46 min.

CT100: Cold Cutting

Explains and evaluates equipment installation, cutting on empty, depressurized pipeline, and potential abnormal operating conditions.

Runtime Not Available

CT101: Operate and Maintain Closure Devices

Evaluates opening, closing, and maintaining closure devices and recognizing and reacting to abnormal operating conditions.

Runtime Not Available

CT1081: Tapping a Pipeline (Tap Diameter 2 Inches or Less)

Explains and evaluates installing hot tap assemblies, cutting pipe, removing coupons, inserting completion plug, and potential abnormal operating conditions.

27 min.

CT1082: Install Completion Plugs (Tap Diameter 2 Inches or Less)

Runtime Not Available

CT11: Inspect and Calibrate Overfill Protective Devices

Explains and evaluates obtaining level-gauge device reading, conducting a comparison analysis, visually inspecting and resetting of Overfill Protective Devices, and potential abnormal operating conditions.

24 min.

CT110: Grinding, Sanding, or Buffing on Steel Pipeline

Explains and evaluates removing defects by grinding, sanding, or buffing on steel pipeline, verifying minimum wall thickness, and potential abnormal operating conditions.

35 min.

CT12: Internal Corrosion Remediation

The purpose of this module is to evaluate an individual with regard Internal Corrosion Remediation as it relates to a DOT pipeline system.

30 min.

CT1291: Locate Underground Pipelines

Explains and evaluates determining right-of-way access, locating underground pipelines, determining pipeline depth, and potential abnormal operating conditions.

39 min.

CT13: Inspect Internal Pipe Surfaces

Explains and evaluates recognizing common types of internal corrosion, their mechanisms, and potential abnormal operating conditions.

17 min.

CT1301: Install and Maintain Pipeline Markers

Explains and evaluates installing, inspecting, and maintaining line markers, determining right-of-way access, and potential abnormal operating conditions.

27 min.

CT14: Application and Repair of External Coatings

Explains and evaluates external coating types, performing surface preparation, applying and repairing coating, testing for defects, and potential abnormal operating conditions.

46 min.

CT15: Place and Maintain Line Markers

Explains and evaluates locating a pipeline, installing a line marker, inspecting and maintaining line markers, and potential abnormal operating conditions.

52 min.

CT16A: Inspect Surface Conditions of Right-of-Way and Perform Leak Surveys (Aerial Patrols)

Runtime Not Available

CT16G: Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Gas Pipelines

Explains and evaluates visually inspecting surface conditions of right-of-way, identifying release or encroachment activities, performing gas leakage surveys, and potential abnormal operating conditions.

30 min.

CT16L: Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Liquid Pipelines

Explains and evaluates inspecting surface conditions of right-of-way, following company reporting protocols, and potential abnormal operating conditions.

23 min.

CT17: Inspect Navigable Waterway Crossings

Explains and evaluates the use of probes, sonar, and other methods to verify the location of a pipeline, determine the depth of cover, and potential abnormal operating conditions.

23 min.

CT18: Inspection of Breakout Tanks

Explains and evaluates the inspection of breakout tanks in accordance with API Standard 653, 510, inspection other breakout tanks, and potential abnormal operating conditions.

25 min.

CT19: Provide Temporary Marking of Buried Pipeline Prior to Excavation

Explains and evaluates locating a pipeline, installing temporary pipeline markers, inspecting and maintaining temporary line markers, and potential abnormal operating conditions.

42 min.

CT20: Inspection Following Excavation Activities and Leak Survey after Blasting

Explains and evaluates inspecting after excavating, performing leak surveys, utlizing leak survey techniques, monitoring for pressure loss, and potential abnormal operating conditions.

28 min.

CT21: Provide Security for Pipeline Facilities

Explains and evaluates providing security for pipeline facilities and potential abnormal operating conditions.

13 min.

CT22: Inspect Valves

Explains and evaluates locating valves, isolating leaks, performing function tests, performing routine maintenance, and potential abnormal operating conditions.

46 min.

CT23: Repair Valves

Explains and evaluates repairing valves and actuators/operators and potential abnormal operating conditions.

36 min.

CT24: Inspect, Test and Calibrate Relief Valves

Explains and evaluates locating relief valves, identifying equipment, ensuring external integrity, testing relief valves, and potential abnormal operating conditions.

29 min.

CT25: Maintain/Repair Relief Valves

Explains and evaluates disassembling, cleaning, inspecting, repairing, and replacing internal components of a relief valve, and potential abnormal operating conditions.

25 min.

CT26: Inspect, Test and Calibrate Pressure Limiting Devices

Explains and evaluates inspecting pressure limiting devices and nameplates, performing static and dynamic testing, calibrating and reinstalling pressure limiting devices, and potential abnormal operating conditions.

32 min.

CT27: Inspect, Test and Calibrate Pressure Switches and Transmitters

Explains and evaluates inspecting, testing, and calibrating pressure switches and transmitters and potential abnormal operating conditions.

28 min.

CT28: Verifying or Setting Protection Parameters for Programmable Controllers and/or Instrumentation Control Loops

Explains and evaluates verifying data set points, parameters, and data location within PLC program, calibrating, testing, and documenting system set points, and potential abnormal operating conditions.

28 min.

CT29: Moving In-Service Pipe

Explains and evaluates preparing for pipeline movement activities, moving in-service pipe, and potential abnormal operating conditions.

27 min.

CT30: Inspect Existing Pipe Following Movement

Explains and evaluates inspecting pipeline for secondary stresses, physical damage, corrosion, and coating damage and potential abnormal operating conditions.

21 min.

CT31: Inspection of Clearance of Existing Pipe to Underground Structures

Explains and evaluates inspecting for clearance of existing pipe to underground structures, ensuring minimum clearances, interference, and corrosion control tests are performed during installation of foreign pipelines or structures, and potential abnormal operating conditions.

24 min.

CT32: Abandoning, Safe Disconnect, Purging, and Sealing of Pipeline Facilities

Explains and evaluates safely disconnecting and purging pipeline facilities, sealing disconnected portions of pipeline, and potential abnormal operating conditions.

30 min.

CT33: Installation, Replacement, or Repair of Support Structures on Existing or New Aboveground Components

Explains and evaluates replacing or repairing support structures on existing or new aboveground components, installing additional or revised support structure elements to existing aboveground structures, and potential abnormal operating conditions.

25 min.

CT34: Inspection Activities for Tie-ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline

Explains and evaluates performing pre-installation requirements, verifying welder & NDT personnel qualifications, ensuring proper installation, and potential abnormal operating conditions.

32 min.

CT35: Backfilling a Trench Following Maintenance

Explains and evaluates performing backfilling operations following maintenance, determining if a tamping tool and backhoe are being used properly, how to determine amount of cover, and potential abnormal operating conditions.

25 min.

CT36.2: Install Welded Tight Fitting Sleeves

Explains and evaluates confirming surface preparation, sleeve type, length, and material, fitting sleeve, and potential abnormal operating conditions.

24 min.

CT36.3: Perform Over-sleeve Repair

Explains and evaluates confirming surface preparation, filling defects, confirming sleeve length and material, fitting over-sleeves, and potential abnormal operating conditions.

24 min.

CT36.4: Perform Composite Wrap Sleeve Repair

Explains and evaluates confirming surface preparation, installing composite wrap sleeve, and potential abnormal operating conditions.

25 min.

CT36.5: Install Mechanical Split Sleeve Repair

Explains and evaluates confirming surface preparation, sleeve length, and material, installing mechanical split sleeve repairs, and potential abnormal operating conditions.

23 min.

CT36.6: Install Mechanical Coupling

Explains and evaluates confirming surface preparation, sleeve length, and material, installing mechanical couplings, and potential abnormal operating conditions.

24 min.

CT36.7: Perform Hot Tapping

Explains and evaluates installing and removing hot tap assembly, operating hot tap equipment, and potential abnormal operating conditions.

26 min.

CT36.8: Install Pipeline Plugs

Explains and evaluates installing plugging assembly, inserting and removing plug, monitoring pressure, removing plugging assembly, and potential abnormal operating conditions.

23 min.

CT36.9: Install Completion Plugs

Explains and evaluates installing, operating, and removing completion plug assembly, relieving pressure from and draining plugging machine, and potential abnormal operating conditions.

19 min.

CT37: Conduct Pressure Test

Explains and evaluates performing a pressure test, analyzing test data, depressurizing and drying pipe, and potential abnormal operating conditions.

29 min.

CT38: Maintenance Welding on Pipelines

Explains and evaluates repairing arc burns, defective welds other than welds containing cracks, cover passes on welds containing defects other than a crack, butt welds containing cracks, and previously repaired areas, replacing welds or cylinders of pipe, and potential abnormal operating conditions.

53 min.

CT39: Operations of a Pipeline System

Explains and evaluates pipeline startup and shutdown procedures, monitoring and maintenance of pressures, flows, and line integrity, operating valves using manual or remote methods, and potential abnormal operating conditions.

53 min.

CT39F: Field Operations of a Pipeline System

Explains and evaluates pipeline startup and shutdown procedures, monitoring and maintenance of pressures, flows, and line integrity, operating valves using manual or remote methods in the field, and potential abnormal operating conditions.

57 min.

CT39F.4: Operate Valves Using Manual or Remote Methods

Explains and evaluates operating valves using manual or remote methods in the field and recognizing and reacting to abnormal operating conditions.

38 min.

CT40: Computational Pipeline Monitoring (CPM)

Explains and evaluates testing, calibrating, repairing, and maintaining CPM equipment, verifying that the leak detection system meets design specifications, and potential abnormal operating conditions.

31 min.

CT41: Operate Pressure Relieving Devices for Launching and Receiving Facilities

Explains and evaluates isolating, relieving pressure and draining fluids from the launcher and receiver barrel, launching and receiving a pig, and potential abnormal operating conditions.

44 min.

CT42: Performing Maintenance on Valves

Explains and evaluates valve winterization or corrosion inhibition, lubrication, seat sealing, stem packing, actuator/operator adjustment, and potential abnormal operating conditions.

49 min.

CT43: Perform Flange Bolting Procedures

Explains and evaluates identifying hazards, performing hot bolting and flange assembly procedures, and potential abnormal operating conditions.

36 min.

CT44: Tubing and Tube Fitting, Handling, and Installation

Explains and evaluates handling tubing, tube fittings, and tubing components, designing or verifying a tubing system, cutting and de-burring metal tubing, bending metal tubing, installing compression tube fittings, and potential abnormal operating conditions.

45 min.

CT45: Perform Leakage Survey

Explains and evaluates performing visual leakage surveys and pipeline leakage surveys using combustible gas detector, flame ionization detector, optical methane detector, and remote methane leak detector, and potential abnormal operating conditions.

25 min.

CT46: Vault Maintenance

Explains and evaluates performing vault maintenance and potential abnormal operating conditions.

19 min.

CT47: Install Electrical Insulating Device

Explains and evaluates electrically isolating pipelines from other processes to reduce the risk of corrosion and potential abnormal operating conditions.

59 min.

CT48: Purge a Pipeline

Explains and evaluates purging hydrocarbons and air from a pipeline, purging pipeline with product, and potential abnormal operating conditions.

28 min.

CT49: Operate Air Movers

Evaluates installing, operating, and un-installing air movers to evacuate vapors from a pipeline and recognizing and reacting to abnormal operating conditions.

Runtime Not Available

CT50: Testing an Emergency Shutdown Device

Explains and evaluates determining system testing method, testing full plant blow down system, isolating ESD devices, and potential abnormal operating conditions.

20 min.

CT51: Perform Incremental Pressure Increases to Uprate MAOP

Explains and evaluates increasing and monitoring pipeline pressure, performing leak surveys, and potential abnormal operating conditions.

22 min.

CT52: Operate Odorant Equipment

Explains and evaluates determining odorant injection rates, testing odorant levels, inspecting, repairing odorant injection systems, and potential abnormal operating conditions.

29 min.

CT54: Gas Detection and Alarm System Maintenance and Performance Testing

Explains and evaluates calibrating, testing, and maintaining gas detection systems, documenting according to MSDS, and potential abnormal operating conditions.

25 min.

CT55: Isolation of a Gas Compressor Unit

Explains and evaluates isolating a gas compressor unit, preparing an isolated compressor unit for start-up, and recognizing and reacting to abnormal operating conditions.

31 min.

CT56: Compressor Station Inspection and Testing of Remote Control Shutdown Devices

Explains and evaluates inspecting, testing, and observing remote control shutdown devices and potential abnormal operating conditions.

19 min.

CT57: Startup, Shutdown, and Operation of Turbine Driven Gas Compressor Unit

Explains and evaluates starting up, operating, and shutting down a turbine driven gas compressor unit and potential abnormal operating conditions.

33 min.

CT58: Start-up, Shutdown, and Operation of an Engine Driven Gas Compressor Unit

Explains and evaluates starting up, operating, and shutting down engine driven gas compressor unit and potential abnormal operating conditions.

35 min.

CT59: Install and Monitor Vapor Barriers

Explains and evaluates temporarily sealing a portion of pipeline with a plug or isolation tool to create a vapor barrier preventing hazardous vapors from entering a hot work area; and recognizing and reacting to abnormal operating conditions.

56 min.

CT60: General Abnormal Operating Conditions

Explains how to recognize and respond to the malfunction or failure of pipeline components, physical damage, the unexpected activation of safety devices, and preventing an accidental ignition.

60 min.

CT61: Documentation, Reporting, and OQ Recordkeeping

Explains and evaluates maintaining testing and inspection records, identifying accidents and incidents that require reporting, OQ record keeping requirements, and potential abnormal operating conditions.

24 min.

CT62: Inspecting and Remediating Pipeline Hazard Protection

Explains and evaluates identifying types of pipeline hazards, identifying and inspecting protective physical barriers, and potential abnormal operating conditions.

27 min.

CT63: Inspect Tank Pressure/Vacuum Breakers

Explains and evaluates verifying, inspecting, disassembling, and reassembling tank pressure vacuum breakers, validating pallet weight, and potential abnormal operating conditions.

36 min.

CT65: Damage Prevention During Excavation Activities By or On Behalf of the Operator

Explains and evaluates verifying line location, identifying potential hazardous surface conditions, confirming spoil placement, using hand tools and vacuums, ensuring pipeline support and security, and potential abnormal operating conditions.

36 min.

CT70: Join Plastic Pipe: Butt Heat Fusion

Explains how to assemble and join plastic pipe by butt heat fusion, inspect the completed joints, and recognize and react to abnormal operating conditions.

41 min.

CT71: Join Plastic Pipe: Sidewall Heat Fusion

Explains and evaluates preparing mating surfaces, fusion equipment, and heating tool, heating and joining mating surfaces with sidewall heat fusion, inspecting fusion joints, and recognizing and reacting to abnormal operating conditions.

39 min.

CT72: Join Plastic Pipe: Electrofusion

Explains and evaluates how to assemble and join plastic pipe by electrofusion, inspect the completed joints, and recognize and react to abnormal operating conditions.

36 min.

CT73: Join Plastic Pipe: Socket Heat Fusion

Explains preparing mating surfaces, fusion equipment, and heating tool, heating and joining pipe and fitting mating surfaces with socket heat fusion, inspecting completed joints, and recognizing and reacting to abnormal operating conditions.

35 min.

CT96: Remove Casings

Explains and evaluates how to remove casings safely and recognize and react to abnormal operating conditions.

39 min.

CT99: Cutting on Steel Pipeline

Explains and evaluates prepping steel pipe for cutting, using various equipment to perform the cut, inspecting the cut, and recognizing and reacting to abnormal operating conditions.

35 min.

CTCLF: Catastrophic Line Failure

Explains the severity of a catastrophic line failure, recognizing indications of a major leak, and identifying and responding to a catastrophic line failure.

24 min.

CTCRE: Control Room Emergency Response

Explains identifying hazardous liquids, recognizing abnormal operating conditions, responding to pipeline emergencies, executing emergency response procedures, and coordinating pipeline restart.

37 min.

CTFM: Fatigue Management

Explains and assesses understanding fatigue, its effects on the body, getting sufficient sleep, mitigating and managing fatigue, and reporting fatigue-related risks.

46 min.

OQ-EVAL-Doc: Correctly Document Skills Assessment Forms

Refresher training for evaluators regarding conducting performance evaluations appropriately and correctly documenting the evaluation on a skills assessment form.

22 min.