UNDERWATER

These tasks are designed to meet the DOT requirements for Operator Qualification for Underwater Covered Tasks

OQSG
A Smith System Company

* **CT02U:** Prevent External Corrosion on Underwater Pipeline

CT03U: Measure Wall Thickness of Underwater Pipe

CT04U: Conduct Underwater Cathodic Protection Remediation

* **CT05U:** Conduct Temporary Marking of Underwater Pipelines

* **CT06U:** Conduct Underwater Valve Inspection, Operation, Maintenance and Repair

* **CT07U:** Movement of In-service Underwater Pipeline

* **CT08U:** Abandoning, Safe Disconnect, Purging, and Sealing of Underwater Pipeline

* **CT09U:** Installation, Replacement, or Repair of Support Structures on Underwater Components

* **CT10U:** Inspection of Underwater Pipeline Facilities

CT12U: Operation of an Underwater Assembly

* **CT13U:** Perform Underwater Pigging Activities

* **CT14U:** Perform Underwater Flange Mating Procedures

CT15U: Perform an Underwater Mechanical Hot Tap

* **CT11U:** Perform Underwater Pipeline Repair Activities

* **CT01U:** Cathodic Protection Inspection on Underwater Facilities

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CT02U: Prevent External Corrosion on Underwater Pipeline

Explains and evaluates inspecting and removing damaged coatings, installing wrap and epoxy repairs, and potential abnormal operating conditions.

37 min.

CT03U: Measure Wall Thickness of Underwater Pipe

Explains and evaluates preparing pipeline surface for ultrasonic thickness testing, measuring pit dimensions, and potential abnormal operating conditions.

27 min.

CT04U: Conduct Underwater Cathodic Protection Remediation

Explains and evaluates installing galvanic anodes on submerged pipelines or facilities and potential abnormal operating conditions.

30 min.

CT05U: Conduct Temporary Marking of Underwater Pipelines

Explains and evaluates locating a pipeline, determining buried and exposed pipeline depth, installing temporary pipeline markers, and potential abnormal operating conditions.

37 min.

CT06U: Conduct Underwater Valve Inspection, Operation, Maintenance and Repair

Explains and evaluates identifying, visually inspecting, operating, greasing, and repairing valves and potential abnormal operating conditions.

38 min.

CT07U: Movement of In-service Underwater Pipeline

Explains and evaluates lifting and lowering in-service underwater pipeline, inspecting for secondary stresses, physical damage, and coating damage, determining pipeline depth, and potential abnormal operating conditions.

30 min.

CT08U: Abandoning, Safe Disconnect, Purging, and Sealing of Underwater Pipeline

Explains and evaluates isolating, purging, disconnecting underwater pipeline, sealing segments and burying disconnected segments of pipeline, and potential abnormal operating conditions.

38 min.

CT09U: Installation, Replacement, or Repair of Support Structures on Underwater Components

Explains and evaluates replacing, repairing, and inspecting support structures, installing and inspecting additional support structure elements, and potential abnormal operating conditions.

42 min.

CT10U: Inspection of Underwater Pipeline Facilities

Explains and evaluates inspecting pipeline crossings, flanged tie-ins, repairs, and support structures and potential abnormal operating conditions.

40 min.

CT12U: Operation of an Underwater Assembly

Explains and evaluates identifying and manually operating ball, check, and needle valves on an underwater assembly and potential abnormal operating conditions.

30 min.

CT13U: Perform Underwater Pigging Activities

Explains and evaluates performing basic launching and receiving procedures and potential abnormal operating conditions.

34 min.

CT14U: Perform Underwater Flange Mating Procedures

Explains and evaluates aligning flanges, installing and removing bolts and ring gasket, plugging or capping the pipeline, and potential abnormal operating conditions.

26 min.

CT15U: Perform an Underwater Mechanical Hot Tap

Explains and evaluates removing coating, conducting quality checks, cutting pipeline, removing coupon, repairing coating, and potential abnormal operating conditions.

47 min.

CT11U: Perform Underwater Pipeline Repair Activities

Explains and evaluates excavating, prepping surface of, and cutting pipeline; installing mechanical split sleeve repair clamps, mechanical couplings, and spool pieces; performing pressure tests; and potential abnormal operating conditions.

47 min.

CT01U: Cathodic Protection Inspection on Underwater Facilities

Explains and evaluates preparing and calibrating test equipment, taking and recording cathodic protection readings, and potential abnormal operating conditions.

29 min.