
OO Task Name

Task 33 – Move In-Service Pipe

1.0 Task Description

This task consists of the movement of in-service pipe.

This task begins with identification of the pipeline segment to be moved. This task ends when all notifications and documentation has been completed.

The performance of this covered task may require the performance of other covered tasks such as:

- Examine for Mechanical Damage on Buried or Submerged Pipe (Reference Task 5.1)
- Examine for External Corrosion on Buried or Submerged Pipe (Reference Task 5.2)
- Inspect the Condition of External Coating on Buried or Submerged Pipe (Reference Task 5.3)
- Visual Inspection of Atmospheric Coatings (Reference Task 7.1)
- Observe Excavation Activities (Reference Task 32)
- Perform Backfilling (Reference Task 39)

2.0 Knowledge Component

An individual performing this task must have knowledge of:

- Product in the line
- Pressure restriction requirements
- Soil conditions
- Maps and drawings
- Supports
- Work plan

Terms applicable to this task:

This section intentionally left blank.

Abnormal operating conditions (AOC) associated with the performance of this task include:

AOC Recognition	AOC Reaction
Damage is observed (e.g., mechanical, corrosion, coating).	Stop task activities and make appropriate notifications.
Incorrect bedding or debris at new pipe location.	Make appropriate notifications.

3.0 Skill Component

To demonstrate proficiency of this task, an individual must perform the following steps:

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Task #XX.X

Step	Action	Explanation
1	Identify the in-service line to be moved.	This step ensures that there is an engineering design plan or work scope identifying the correct line, product type, location, and trench lengths. This step assumes that the excavation has already been completed, the line is in the correct state, and communications have been made with the control center.
2	Ensure that the pipeline has been visually inspected and is fit to move.	Visual inspection is a separate covered task and must be completed by a qualified individual.
3	Ensure the pipeline is supported in accordance with the Operator's design plan.	The design will determine the trench length calculation and maximum allowable support spacing. Supports may include skids, rollers, cradles, sandbags, or other means.
4	Tie off equipment at appropriate locations of the pipe to prepare for movement.	Any belt, sling, boom, or chain contacting the pipe shall be padded to prevent damage to the pipeline coating.
5	Ensure the lift plan is communicated with operators onsite prior to beginning to move the pipeline.	This ensures that the movement is synchronized and does not cause undue stress to the pipeline.
6	Notify the control center that movement is about to begin.	The lift plan will include instructions for the control center to reduce pressure, isolate the line, or take actions prior to moving the pipeline.
7	Begin moving the pipeline until the desired location has been obtained.	
8	Before lowering the pipe, ensure the ditch has the correct bedding and is free of debris.	
9	Remove the temporary pipeline supports.	
10	After the move is complete, ensure that the pipeline is visually inspected for damage.	Visual inspection is a separate covered task and must be completed by a qualified individual.
11	Make notifications, as required by the Operator, to the control center and affected personnel.	
12	Document all required information per Operator procedure.	

OQ Task Name

- Task 35.0 – Inspect Clearance of Existing Pipe to Underground Structures

1.0 Task Description

- This task includes reviewing and applying operator procedures for required clearance specifications between the pipeline facility and foreign underground structures and determining the allowable minimum clearance by taking a measurement at the closest point between the underground foreign structure and the pipeline facility. The individual will be responsible for recording and documenting according to Operator procedures if the measurement is within allowable clearance. If the measurement is not within acceptable clearance, the individual will be responsible for making notifications to appropriate personnel for guidance and determination for how to proceed. The individual will be responsible for recording and documenting actions, notifications, etc., in accordance with Operator procedures.
- This task begins once the pipeline facilities are exposed and the path of the foreign underground encroachment has been determined. This task ends after the measurement has been recorded and documented.
- This task does not include but may lead to the performance of other covered tasks such as:
 - Examine for Mechanical Damage on Buried or Submerged Pipe (Reference Task 5.1)
 - Examine for External Corrosion on Buried or Submerged Pipe (Reference Task 5.2)
 - Inspect the Condition of External Coating on Buried or Submerged Pipe (Reference Task 5.3)
 - Perform Coating Inspection (Reference Task 7.7)

2.0 Knowledge Component

- This task is performed to confirm clearance between the pipeline facility and the underground foreign structure per Operator specifications.
- An individual performing this task must have knowledge of:
 - Operator specifications for allowable clearance
 - Operator requirements for excavation
 - Coating damage and anomalies
 - Evidence of mechanical damage
- Abnormal operating conditions (AOC) associated with the performance of this task include:

AOC Recognition	AOC Reaction
Discovery of Mechanical Damage or Corrosion	Notify the appropriate personnel to take action as required

AOC Recognition	AOC Reaction
Unexpected Release of Product	Stop work, move to a safe location (if necessary), and <u>notify the appropriate personnel to take action as required</u>
Measurement is not within acceptable clearance	Stop activities and make notifications to appropriate personnel for guidance on (1) practicality of maintaining specified minimum clearance and (2) what, if any, corrosion control measures would be required to protect the pipeline facility

3.0 Skill Component

- To demonstrate proficiency of this task, an individual must perform the following steps:

Step	Action	Explanation
1	Review Operator procedures and clearance specifications.	This step informs the individual of the Operator's established clearance specifications.
2	Determine the clearance between the pipeline facility and the underground foreign structure.	This step provides a baseline for measuring clearance and confirming allowable clearance.
3	Take measurements at closest point between the underground foreign structure (proposed or installed) and the pipeline facility. <ul style="list-style-type: none"> • If measurement is within acceptable clearance, record and document according to Operator procedures. 	This step identifies whether the underground foreign structure is within allowable clearance to the pipeline facility and describes the actions the individual should take if it is not. If measurement is not within acceptable clearance, stop activities and make notification to appropriate personnel for guidance on (1) practicality of maintaining specified minimum clearance and (2) what, if any, corrosion control measures would be required to protect the pipeline facility
4	Document all required information per Operator procedure. <u>Complete required documentation</u>	Complete appropriate documentation according to Operator's procedures.

OQ Task Name

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- This task includes reviewing and applying operator procedures for required clearance specifications between the pipeline facility and foreign underground structures and determining the allowable minimum clearance by taking a measurement at the closest point between the underground foreign structure and the pipeline facility. The individual will be responsible for recording and documenting according to Operator procedures if the measurement is within allowable clearance. If the measurement is not within acceptable clearance, the individual will be responsible for making notifications to appropriate personnel for guidance and determination for how to proceed. The individual will be responsible for recording and documenting actions, notifications, etc., in accordance with Operator procedures.
- This task begins once the pipeline facilities are exposed and the path of the foreign underground encroachment has been determined. ~~and~~ This task ends after the measurement has been recorded and documented.
- This task does not include but may lead to the performance of other covered tasks such as:
 - Examine for Mechanical Damage on Buried or Submerged Pipe (Reference Task 5.1)
 - Examine for External Corrosion on Buried or Submerged Pipe (Reference Task 5.2)
 - Inspect the Condition of External Coating on Buried or Submerged Pipe (Reference Task 5.3)
 - Perform Coating Inspection (Reference Task 7.7)

2.0 Knowledge Component

- This task is performed to confirm clearance between the pipeline facility and the underground foreign structure per Operator procedural specifications.
- An individual performing this task must have knowledge of:
 - Operator procedural specifications for allowable clearance
 - Company/Operator requirements for defining an excavation and entering an excavation
 - Coating damage and/or anomalies
 - Evidence of mechanical damage
 - Abnormal operating conditions (AOC) associated with the performance of this task include:

AOC Recognition	AOC Reaction
Discovery of Mechanical Damage or Corrosion	<u>Notify the appropriate personnel to take action as required</u> <u>Notify proper company personnel for further investigation, and document findings. Follow company policy and procedures regarding documentation and notification of appropriate company personnel.</u>

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Task #XX.X
Task Title

AOC Recognition	AOC Reaction
Unexpected Release of Product	Stop work, move to a safe location (if necessary), and Notify proper company personnel and document findings. Follow company policy and procedures regarding documentation and notification of appropriate company personnel. <u>notify the appropriate personnel to take action as required</u>
Measurement is not within established acceptable clearance	Stop activities at location and make notifications to appropriate personnel for guidance on (1) practicality of maintaining specified minimum clearance and (2) what, if any, corrosion control measures would be required to protect the pipeline facility

3.0 Skill Component

- To demonstrate proficiency of this task, an individual must perform the following steps:

Step	Action	Explanation
1	Review O perator procedures and clearance specifications.	This step informs the individual of the O perator's established clearance specifications.
2	Determine the allowable minimum clearance between the pipeline facility and the underground foreign structure.	This step provides a baseline for measuring clearance and confirming allowable clearance.
3	Take measurements s at closest point between the underground foreign structure (proposed or installed) and the pipeline facility. <ul style="list-style-type: none"> If measurement is within acceptable clearance, record and document according to Operator procedures. 	This step identifies whether the underground foreign structure is within allowable clearance to the pipeline facility and describes the actions the individual should take if it is not. If measurement is not within established acceptable clearance, s <u>stop activities at location</u> and make notification to appropriate personnel for guidance on (1) practicality of maintaining specified minimum clearance and (2) what, if any, corrosion control measures would be required to protect the pipeline facility
4	<u>Document all required information per Operator procedure. Complete required documentation</u>	<u>Complete appropriate documentation according to Operator's procedures.</u>