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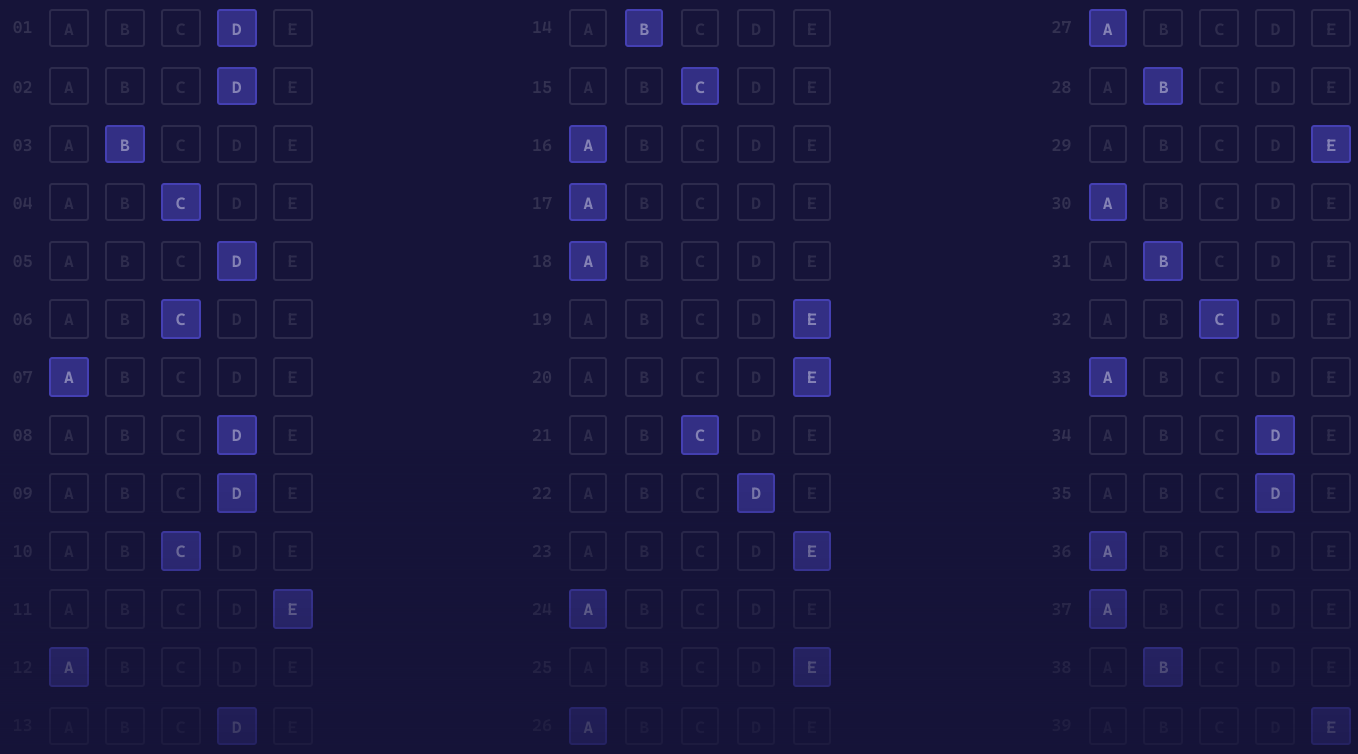

PRACTICE QUESTIONS

American Petroleum Institute: Individual Certification Programs (API)

1169

1169 - Pipeline Inspector Certification

EDITION	QUESTIONS	FORMAT
Demo	9	Limited Edition PDF

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Before you begin

What this is

9 practice questions for American Petroleum Institute: Individual Certification Programs (API) `1169`, each with its answer key and an explanation. Answer a question before you read its key — the explanation is worth more once you have committed.

If something looks wrong

Send us three things and we will check it:

- the exam code, `1169`
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QUESTION 1 SINGLE CHOICE

According to API 1169, a Pipeline Inspector is responsible for verifying that welders performing on pipeline construction are qualified in accordance with which API standard?

A **API 1104 — Welding of Pipelines and Related Facilities**

B API 1102 — Steel Pipelines Crossing Railroads and Highways

C API 1110 — Recommended Practice for Pressure Testing of Liquid Petroleum Pipelines

D API 1162 — Public Awareness Programs for Pipeline Operators

ANSWER A

WHY API 1169 requires the Inspector to verify welder qualification to API 1104 (Welding of Pipelines and Related Facilities), which is the controlling standard for pipeline welding. API 1102 addresses pipeline crossings, API 1110 addresses pressure testing, and API 1162 addresses public awareness — none of these qualify welders.

QUESTION 2 SINGLE CHOICE

Under API 1169, which of the following best describes the Pipeline Inspector's authority regarding the construction contractor's work?

A The Inspector has unlimited authority to direct the contractor's means and methods of construction.

B **The Inspector has the authority to reject work that does not conform to project specifications, but does not direct the contractor's means and methods.**

C The Inspector can only observe and document; the contractor's quality control representative has sole rejection authority.

D The Inspector's authority is limited to environmental and safety observations only.

ANSWER B

WHY API 1169 defines the Inspector's role as monitoring compliance with project specifications and authorized to reject nonconforming work, materials, or activities. The Inspector does not direct the contractor's means and methods, which remain the contractor's responsibility.

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QUESTION 3 SINGLE CHOICE

API 1169 mandates that Inspectors be knowledgeable in a set of published industry standards. Which of the following is the principal standard covering pipeline construction?

A **ASME B31.4 — Pipeline Transportation Systems for Liquids and Slurries**

B API 1169 — Pipeline Construction Inspection (itself)

C 49 CFR 192 / 49 CFR 195 — Federal pipeline safety regulations

D API 1104 — Welding of Pipelines and Related Facilities

ANSWER A

WHY API 1169 identifies ASME B31.4 (and B31.8 for gas transmission) as the principal pipeline construction standards that the Inspector must understand. While 49 CFR 192/195 are regulatory and API 1104 covers welding, ASME B31.4 is the construction standard explicitly listed for liquid pipelines.

QUESTION 4 SINGLE CHOICE

During field-applied coating inspection on a pipeline, the Inspector observes a coating defect. Which of the following is the Inspector's primary responsibility?

A Repair the defect before the backfill crew arrives.

B **Stop work, mark the defect, and notify the contractor so that corrective action can be taken by qualified personnel.**

C Document the defect but take no action because the contractor's QC program owns the issue.

D Apply a holiday patch and continue the work.

ANSWER B

WHY Per API 1169, the Inspector's responsibility upon observing a nonconformance — including a coating defect — is to identify, document, and ensure the contractor is notified so qualified personnel perform the repair. The Inspector does not perform the repair work; that is the contractor's responsibility.

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QUESTION 5 SINGLE CHOICE

An Inspector is witnessing a hydrostatic pressure test on a new pipeline segment. What is the Inspector's primary responsibility during the test?

A To physically operate the test pump and record pressures.

B **To verify the test is conducted in accordance with the approved pressure test procedure and to witness/document the test results.**

C To calculate the minimum yield strength and design factor for the segment.

D To fill the line with product after the test is complete.

ANSWER B

WHY API 1169 and the referenced ASME B31.4 require the Inspector to verify that hydrostatic testing is performed per the approved procedure and to witness and document the test (pressures, durations, leaks). The Inspector does not operate equipment or perform engineering calculations — those belong to the contractor and engineer, respectively.

QUESTION 6 SINGLE CHOICE

Which of the following conditions observed during pipeline construction should the Inspector document and bring to the attention of the contractor and the operator?

A A weld that meets API 1104 acceptance criteria.

B **An HDD (horizontal directional drill) exit pit that does not match the alignment shown on the construction drawings.**

C A properly signed road crossing per the project traffic plan.

D Daily tailgate safety meetings being held as scheduled.

ANSWER B

WHY API 1169 requires the Inspector to document deviations from the approved alignment, drawings, or procedures. An HDD exit pit that does not match the drawings is a deviation requiring documentation and notification. The other items describe activities that are being performed correctly.

QUESTION 7 SINGLE CHOICE

Which of the following records is the Pipeline Inspector typically required to maintain as part of their daily inspection duties under API 1169?

A Personal timecards for the contractor's crews.

B **Daily inspection reports documenting construction activities, weather, crew sizes, and any nonconformances.**

C Operator invoices and accounts payable documentation.

D Income tax records for the contractor's employees.

ANSWER B

WHY API 1169 requires Inspectors to maintain accurate, complete daily inspection reports covering activities observed, weather, equipment, personnel, and any nonconformances or corrective actions. Payroll, invoicing, and tax records are not part of the Inspector's responsibilities.

QUESTION 8 SINGLE CHOICE

On a pipeline project, radiographic testing (RT) of girth welds is being performed by an NDE contractor. The Inspector's role with respect to the NDE is to:

A Perform the radiographic interpretation themselves.

B **Verify that the NDE personnel are qualified, the procedure is approved, and that the results are documented and acted upon.**

C Calibrate the radiation source prior to each exposure.

D Sign the radiographic films only if they personally agree with the interpretation.

ANSWER B

WHY API 1169 places on the Inspector the responsibility to verify that NDE is conducted by qualified personnel using approved procedures and that results are properly documented and dispositioned. The Inspector is not the NDE interpreter and does not perform equipment calibration — those are NDE contractor responsibilities.

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QUESTION 9 MULTIPLE CHOICE

During construction of a pipeline across a wet area, which two of the following actions are the Inspector responsible for verifying or documenting under API 1169? (Choose two.)

A **Confirming that the contractor's installed sediment control measures match the project's environmental construction plan.**

B Calculating the pipe's buoyancy factor in the saturated soil.

C **Documenting any fuel spills, silt releases, or deviations from the approved environmental plan.**

D Designing the permanent wetland restoration planting plan.

E Designing the ditch depth for buoyancy control.

ANSWER **A · C**

WHY API 1169 requires Inspectors to verify that erosion and sediment controls are installed per the approved plan (A) and to document any environmental incidents or deviations (C). Engineering calculations such as buoyancy factor (B) and final restoration/ditch design (D, E) are the responsibility of the design engineer and contractor, not the Inspector.

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