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COURSE BROCHURE

Pipeline Code Compliance and Gap Review Training Course

17 – 21 May 2027
Singapore

Pipeline Code Compliance and Gap Review Training Course

Ref: 2873_109794 **Date:** 17 – 21 May 2027 **Location:** Singapore **Fees:** 9300 GBP

Pipeline Code Compliance and Gap Review is a 1-week training course for pipeline engineers and compliance staff who must show that a line meets the design, construction and operating codes that govern it, and who leave with a pipeline code compliance matrix. Ageing networks, tighter permit conditions and public scrutiny of pipeline incidents mean owners must now prove compliance with traceable evidence rather than assert it. The course is delivered by Jupiter Prime Training.

Why Pipeline Code Compliance Matters Now

Three forces shape pipeline code compliance today. Operators are extending the life of lines built to older code editions, so the gap between original design rules and current expectations keeps widening. Permitting authorities and insurers increasingly ask for documented evidence at every stage, from route approval to integrity reassessment. An operator that maps its obligations clearly can approve modifications quickly and defend its records under audit; one that does not faces stop-work orders, rework and loss of public trust. The course rests on the structure shared by international pipeline design, construction and integrity codes, described in general terms.

Who Gains Most from Pipeline Code Compliance

- Engineers responsible for design basis, class location and pressure rating decisions
- Specialists who prepare permit applications and answer inspector findings
- Integrity staff who decide reassessment intervals and repair acceptance against code criteria
- Construction quality personnel who verify welding and test records before handover
- Asset owners' representatives who approve modifications, uprates and changes of service

Pipeline operating companies gain most when design, integrity and permitting staff attend together and build one shared view of their code obligations.

Pipeline Code Compliance Capabilities

Participants read pipeline codes as a chain from design clause to field record that an auditor can follow.

- Map code clauses to a single pipeline segment — asset owner approving a pressure rating
- Assess whether test records satisfy the governing code edition — handover acceptance
- Identify gaps between legacy design rules and current code requirements — reassessment and uprate decisions
- Build an evidence file that links each permit condition to a record — permitting authority and auditors
- Apply change control to modifications, rerouting and changes of service — operations and engineering managers
- Communicate compliance status and open gaps in plain terms — senior leadership and insurers

Key Pipeline Code Compliance Terms

- Code of record — the code edition in force when a pipeline was designed and built, against which its original compliance is judged.
- Class location — a classification of the area along a pipeline by population density that sets design factors and test pressures.
- Maximum allowable operating pressure — the highest pressure at which a pipeline segment may legally and safely be operated.
- Compliance matrix — a table linking each applicable code clause to the evidence showing how a pipeline meets it.
- Gap review — a structured comparison of current pipeline condition and records against the requirements of an applicable code.
- Management of change — the controlled process for assessing, approving and recording any change to a pipeline's design or operation.

Pipeline Code Compliance Day by Day

Day 1: How Pipeline Codes Fit Together

- Design, Construction and Operating Code Hierarchy — Which Rule Governs Each Stage
- Code of Record and Later Editions — Treating Legacy Lines Fairly
- Liquid Versus Gas Pipeline Code Scope — Setting Applicable Requirements
- Permit Conditions and Code Clauses — Separating Legal From Technical Duties
- Pipeline Lifecycle Obligation Map — Assigning Ownership of Each Requirement

Day 2: Design Basis and Pressure Rating Evidence

- Class Location Surveys and Updates — Triggering Design Factor Changes
- Wall Thickness and Design Factor Checks — Confirming Pressure Rating Margins
- Maximum Allowable Operating Pressure Records — Proving the Basis of Rating
- Material Certificates and Traceability — Accepting Pipe and Fittings
- Design Basis Memorandum Audit — Finding Missing Calculations Early

Day 3: Construction, Testing and Handover Records

- Welding Procedure and Welder Qualification Records — Accepting Joints
- Non-Destructive Examination Reports — Judging Weld Acceptance Against Code
- Hydrostatic Test Packages — Verifying Test Pressure and Hold Duration
- As-Built Survey and Alignment Sheets — Closing Construction Records
- Handover Dossier Checklist — Transferring Compliance Evidence to Operations

Day 4: Operating Compliance, Gaps and Change Control

- Integrity Reassessment Intervals — Meeting Operating Code Inspection Duties
- Code Gap Review Method — Ranking Shortfalls by Consequence
- Uprating and Change of Service Assessment — Approving New Conditions
- Management of Change Workflow — Keeping Records Aligned With Modifications
- Inspector Findings and Corrective Action Logs — Closing Audit Observations

Day 5: Practising the Pipeline Code Compliance Matrix

- Segment Obligation Mapping Exercise — Applying the Code Hierarchy to a Case Line
- Evidence Sampling From Design and Test Records — Testing Record Sufficiency
- Gap Ranking and Remediation Options — Prioritising Closure Actions
- Audit Interview Simulation — Defending Compliance Status Under Questioning
- Pipeline Code Compliance Matrix Build — Completing the Team's Evidence Map

Applying Pipeline Code Compliance After the Course

- Lead a code gap review on one priority segment, ranking each shortfall by consequence.
- Run a management of change check on recent modifications to confirm records and permit conditions still align.

Pipeline Code Compliance Questions FAQ

What is pipeline code compliance and why does it matter now?

Pipeline code compliance is the evidence that a line meets the codes and permit conditions governing it. It matters now because ageing lines and closer audits demand traceable records.

Which roles gain most from pipeline code compliance training?

Pipeline design engineers, integrity staff, construction quality personnel and permitting specialists gain most. It suits you if you approve modifications or answer inspector findings.

How does pipeline code compliance differ from a pipeline design course?

Pipeline code compliance focuses on proving that requirements are met, not on performing design calculations. A design course sizes and routes a line; here you trace clauses to records and find gaps.

What do you bring back from pipeline code compliance training?

You bring back a pipeline code compliance matrix for a case line, plus a gap review method and a change control checklist.

Pipeline Code Compliance: The Way Forward

The pipeline code compliance matrix gives engineering and compliance staff one shared map of obligations and evidence. Its first use is usually to decide which segment needs a gap review or rerating study before the next permit renewal. Asset owners, auditors and integrity teams all draw on it. Revisit it after each modification, since every change can silently break the link between a clause and its record.