

MIDSTREAM STANDARDS

TRANSPORTATION, STORAGE AND MEASUREMENT



Pipeline Operations

RPs, 1109, 1110, 1111, 1166, 1117, 1130, 1165, 1167, 1168, 1169, 1172, 1174, 1175, 1176, 2200, and 2610

Standards, 1163

Technical Reports, 1149 and 1178

RP 1102, Steel Pipelines Crossing Railroads and Highways

Std 1104, Welding of Pipelines and Related Facilities

RP 1113, Developing a Pipeline Supervisory Control Center

RP 1133, Guidelines for Onshore Hydrocarbon Pipelines Affecting High Consequence Floodplains

RP 1160, Managing System Integrity for Hazardous Liquid Pipelines

RP 1161, Pipeline Operator Qualification (OQ)

RP 1162, Public Awareness Programs for Pipeline Operators

RP 1173, Pipeline Safety Management Systems

Security

Std 780, Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries

RP 780, Facility Security Plan Methodology for the Oil and Natural Gas Industries

Std 1164, Pipeline SCADA Security

Underground Storage

RP 1115, Recommended Practice on the Operation of Solution-Mined Underground Storage Facilities

RP 1170, Design and Operation of Solution-Mined Salt Caverns Used for Natural Gas Storage

RP 1171, Functional Integrity of Natural Gas Storage in Depleted Hydrocarbon Reservoirs and Aquifer Reservoirs

Measurement

Manual of Petroleum Measurement Standards (MPMS)

Chapter 1, Vocabulary

Chapter 2, Tank Calibration

Chapter 3, Tank Gauging

Chapter 4, Proving Systems

Chapter 5, Metering

Chapter 6, Metering Assemblies

Chapter 7, Temperature Determination

Chapter 8, Sampling

Chapter 9, Density Determination

Chapter 10, Sediment and Water

Chapter 11, Physical Properties Data (Volume Correction Factors)

Chapter 12, Calculation of Petroleum Quantities

Chapter 13, Statistical Aspects of Measuring and Sampling

Chapter 14, Natural Gas Fluids Measurement

Chapter 15, International System of Units (SI) in the Petroleum and Allied Industries

Chapter 16, Measurement of Hydrocarbon Fluids by Weight or Mass

Chapter 17, Marine Measurement

Chapter 18, Custody Transfer

Chapter 19, Evaporation Loss, Measurement

Chapter 20, Production Measurement and Allocation

Chapter 21, Flow Measurement Using Electronic Metering Systems

Chapter 22, Testing Protocols

Chapter 23, Reconciliation of Hydrocarbon Quantities

NOTE: “**Specifications**” are documents that are written in such a way as to facilitate communications between purchasers, manufacturers, and/or service suppliers.

“**Recommended Practices**” are documents that communicate recognized industry practices.

“**Standards**” are documents that combine elements of both specifications and recommended practices.

“**Chapters**” are a subdivision or group of standards or documents within a particular suite.