



MAXIMUM ALLOWABLE OPERATING PRESSURE

With over 100,000 miles of gas and liquid pipeline MAOP analysis and support experience, RCP has the expertise and resources to help you understand and comply with NEW MAOP Reconfirmation Requirements.

OUR SERVICES

- Document Gathering, Imagery and Grading
- Materials, and Records Verification
- Gap Analysis and Reporting
- MAOP Audit Support
- Gap Closure
- Standards, Procedures and Position Papers

THE RCP ADVANTAGE

- Identifies source document acceptability
- Grades the reliability and quality of source records
- Extracts MAOP data from source documentation
- Builds a pipeline features list (PFL) using patented “smart segmentation process”
- Runs precise MAOP calculations
- Traces the PFL back to sourced documentation
- Generates accurate Q & R annual reports sections
- Develops mitigation strategies to remediate any deficiencies due to insufficient MAOP data
- Delivers traceable, verifiable and complete records

The screenshot displays the MaxOp software interface, which is a Microsoft Excel spreadsheet. The spreadsheet is titled "ABC Gas Transmission Company" and "7-Feb-08". It contains a table with columns for Record Number, Confirmed, Quality Audit, Pipeline Type, Record Description, Designator, Route ID, Route Description, Series, Station, Milepost, Plug Package, Measure, and Class. The table lists several records, including 00002, 00003, 00004, 00005, 00006, and 00007, each with associated data for the various columns.

RCP's patented MAOP validation tool, MaxOp[®], connects MAOP data to source document images, identifies exact 192/195 code sections driving MAOP results, and provides a precise audit trail and calculation for each individual component or piece of pipe in a system.

Our customers are confident that their MAOP values are capable of being traced back to source documentation, all records and calculated values have been validated, and the MAOP values have been completely evaluated and potential deficiencies identified.



MAOP RECONFIRMATION RULE

PHMSA has announced they will be splitting the Safety of Gas Transmission and Gathering NPRM into three separate rules.

The first final rule address the legislative mandates from the 2011 Pipeline Safety, Regulatory Certainty and Jobs Creation Act. The rule will be called the Safety of Gas Transmission Pipelines: MAOP Reconfirmation, Expansion of Assessment Requirements, and Other Related Amendments, and addresses the following items:

- 6-month grace period for 7 calendar-year reassessment intervals
- Seismicity threats related to integrity management
- MAOP exceedance reporting
- Material verification, MAOP reconfirmation, & amendments related to §192.619
- Non-HCA assessments and MCA definition
- Related record provisions

RCP has been a market leader in providing MAOP Validation Services for over 20 years, including over 100,000 miles of gas and liquid pipeline analysis and support.

Whether you are just getting started, not sure what to do next, or need help finishing, RCP has a wealth of experienced engineers and support staff to help you understand and comply with the MAOP Reconfirmation, Expansion of Assessment Requirements Rule.

HOW WE GOT HERE...

- **San Bruno Incident**
- **NTSB 9.26.11 Recommendations** Eliminating Grandfather Clause - reestablish MAOP using hydrostatic pressure testing
- **Pipeline Safety, Regulatory Certainty, and Jobs Creation Act of 2011:** The Act requires that gas transmission pipeline operators in class 3 & 4 and class 1 & 2 HCA locations confirm whether the established MAOP is valid
- **PHMSA ADB 11-01.** Establishing MAOP Pipeline Safety: Establishing Maximum Allowable Operating Pressure or Maximum Operating Pressure Using Record Evidence, and Integrity Management Risk Identification, Assessment, Prevention, and Mitigation
- **PHMSA ADB 12-05** Verification of MAOP records shall be traceable, verifiable, and complete
- **NPRM published 3/17/2016** - Requiring a systematic approach to verify a pipeline's maximum allowable operating pressure (MAOP) and requiring operators to report MAOP exceedances
- **GPAC Final Rule Summary 18-04**