



Intrepid® MAOP Calculator & Services



Calculate, validate and report on your pipeline pressures for safe operations

This comprehensive suite of services and best-in-class applications is for MAOP determination, validation and reconfirmation in support of the industry’s goal to improve the overall integrity of pipeline systems, and reduce risks, including natural gas transmission pipelines, compressor stations, regulator stations, and other critical facilities.

Responsibly Improving
the World We Live In



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CHA Integrated Solutions (CHA) brings to the operator an enhanced MAOP Calculator fully compliant with Department of Transportation’s rule 49 CFR §192. This calculator improves and streamlines (with great accuracy and fully auditable) the process by which MAOP is calculated, validated and reported, giving operators a sense of security in knowing their pipelines meet federal requirements. The calculator has built-in logic to address pipeline components, including the ability to assess fittings based on ANSI ratings as well as fittings that can be modeled much like line pipe. It also leverages the federal and state regulations and applicable PHMSA advisory bulletins to perform MAOP validation for every pipeline component. Operators have the ability to readily generate operational and regulatory reports depending on their needs. The engineering analysis of MAOP validation issues will be featured on each report. Operators have the choice to use the calculator alone or take advantage of CHA’s MAOP services. These services allow you to focus on day to day operations while CHA defines the MAOP and dives into the complex details, encompassing everything from document research to field validation, to ensure your data is traceable, verifiable and complete.



ADVANTAGES

> Choose between software or service

> Reliable and industry accepted

> Built in engineering and industry best practice

> Seamless implementation with a PODS database

> Establish a full audit trail within your GIS

> Readily generate operational and regulatory reports

> Developed with Pacific Gas & Electric

**CONTACT US TO LEARN HOW TO
CALCULATE, VALIDATE AND ACCURATELY
REPORT PIPELINE PRESSURES TODAY!**

Intrepid® MAOP Calculator & Services

Comprehensive MAOP services

CHA's experts provide our natural gas pipeline clients MAOP services so they don't have to deal with the calculations. Our services include validating historical data and researching documentation to ensure our clients are working with the current and accurate information. We also provide data updates within our clients' established record keeping systems, and engineering review and issue resolution to confirm pressure calculations from attribute data on file. We work directly with regulatory agencies to determine the correct support data, perform field validation of pressure tests, and validate pipeline attributes.

Easy to use and flexible

The Intrepid® MAOP Calculator can be executed on a line by line basis or configured to run in batch mode and calculate the MAOP for hundreds of miles of pipeline in a single process. Conveniently, this batch processing can be configured to run as a scheduled task. It can also continuously monitor pipeline feature updates in the asset database and flag items that may not fall into the normal operating criteria determined by the operator.

Quick yet thorough reporting

The Intrepid® MAOP Calculator has a robust reporting engine that allows engineers to quickly view all the input criteria for the calculator as well as the results of each phase of the calculation process. Reports can be produced as a PDF file or in Excel for further review and analysis and can also include a comprehensive summary section that details the limiting factors for the selected pipeline. Reports are formatted to follow the American Gas Association recommendations.

Proven successful and comprehensive

The Intrepid® MAOP Calculator was developed in collaboration with San Francisco based Pacific Gas & Electric Company (PG&E) to help improve pipeline safety across the nation. This tool has been proven to streamline the process by which MAOP is validated. The calculations address many federal codes to ensure the completeness of data.

Eliminate resource constraints

CHA offers a wide range of services including spatial analysis and mapping services, GPS field data collection, alignment sheet generation, geospatial database design and implementation, data loading and validation, consulting, web-based GIS application development, and more. CHA can be an extension of your team so you can get projects completed quickly!

