



MAOP Calculator ArcGIS Pro Add-in & Services



PRECISE RESULTS

ESTABLISH AN AUDIT TRAIL

STRESS-FREE REPORTING

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

Use our MAOP Calculator for ArcGIS Pro for determination, validation and reconfirmation to improve the overall integrity of pipeline systems and to reduce risks, including natural gas transmission pipelines, compressor stations, regulator stations, and other critical facilities.

CHA Integrated Solutions (CHA) brings to the operator an enhanced MAOP Calculator for onshore steel transmission pipelines. 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. Operators have the ability to readily generate operational and regulatory reports depending on their needs. Operators have the choice to use the calculator integrated into Esri ArcGIS Pro as a simple to install add-in or take advantage of CHA MAOP Services. Our 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, and field validation to ensure your data is traceable, verifiable and complete.

Responsibly Improving
the World We Live In



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ADVANTAGES

- > Database agnostic
- > Built-in engineering and industry best practice
- > Reliable and industry accepted
- > Establish a full audit trail within your GIS
- > Readily generate operational and regulatory reports
- > Choose between software or Service

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

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ArcGIS Pro Add-in is easy to use and flexible

The MAOP Calculator ArcGIS Pro add-in 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. It can analyze pipe segments and will flag those which require MAOP reconfirmation under §192.624. The user can view output results both graphically and tabularly with easy-to-understand symbology to allow quick analysis of results.

Quick yet thorough reporting

The 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 in Excel for further review and analysis and 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 & comprehensive

Users appreciate how the MAOP Calculator ArcGIS Pro add-in can flag potentially non-compliant pipe segments and fittings both graphically and tabularly, making it easier to identify overall risk. It is fully integrated with Esri ArcGIS Pro which makes it database agnostic, and can use on any data source that can be loaded by ArcGIS Pro.

Comprehensive MAOP services

CHA's experts provide our natural gas pipeline clients MAOP services, so they don't have to deal with the calculations. Services include validation of historical data to prove validity and document research to ensure proper document research is represented. We also provide data updates within our clients' established record keeping system 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 and perform field validation of pressure tests and validate pipeline attributes.

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 and web-based GIS application development and more. CHA can be an extension of your team so you can get projects completed quickly!

