

Services to the Natural Gas Industry

THA Engineering Solutions provides a variety of engineering design and drafting services for the full range of natural gas facilities including pipeline, compression and measurement. THA Engineering will utilize both in-house personnel as well as outside resources as special needs arise.

Pipeline Layout and Design

THA Engineering Solutions provides the engineering and drafting required to take a pipeline project from conception through FERC filing. This includes initial route layout, field scouting, route selection, alignment sheets, railroad and road-crossing permitting, pipe design, block valve design, pig trap design and measurement facility design. We can also provide required exhibits for the FERC filing.

Facilities Planning and Design

There's an old saying, "to be successful, you must begin with the end in mind." - very true when planning and designing facilities like compressor stations, measurement runs, or other facilities integral to efficiently moving natural gas.

As-Built Drafting

THA Engineering Solutions provides "as-built" documentation support for any type of project, including documentation onsite during construction or post-construction.



Technical Writing & Publishing

Integrity Management

THA Engineering Solutions provides:

- MAOP Determination Studies Evaluation of MAOP's for facilities, including pipeline, measurement stations, fabricated assemblies, and compressor stations.
- Risk Assessment Investigations Field inspections of facilities, including inspections for a wide range of risks (we maintain a list of over 150 items that may be selected for inspection). After inspection, each identified potential risk is tagged and a summary is given to the client for remediation.
- Judicial Determination Reviewing of facilities and making determinations of proper oversight by state and federal agencies. Requirements and necessary documents needed for each entity are provided.
- Integrity Management / HCA's Preparation of brief two to three page segment review documents for HCA's
- Special Permits Support Assist with DOT regulatory requirements.

THA provides formatting, editing, and publishing services for a number of different types of documents, including manuals for engineering design and construction, O&M or Policy and Procedures. THA also provides topic specific documentation support for Special Permits and DOT regulatory reporting.



Construction Management

THA Engineering Solutions provides construction management services for all types of natural gas installations including project management, on-site inspection and on-site "as-built" documentation.

- Provide general oversight of construction
 to be the eyes and ears for the Owner
- Improve communications with Contractor to keep project on-time / under-budget
- Be Owner's Representative on-site to facilitate timely decision making to avoid "decision delays"
- Evaluate Requests for Payment and Change Orders

