

Case Story



Preparing a New Pipeline in a Residential Community

Client:

The client is a major North American energy infrastructure company that operates an extensive network of natural gas pipelines. They are committed to delivering safe, reliable energy while maintaining strong environmental and community standards across their operations.

Challenge:

The client was commissioning a new 6" natural gas pipeline in a residential area of Ontario, requiring partial lane closures in an active community where minimizing disruption was critical. During commissioning, the newly constructed line contained elevated moisture from construction, requiring gas to be flowed through the system to dry it. Due to the high moisture content, the gas was unsalable, making recompression impractical, while the residential setting ruled out flaring due to concerns around visible flame and public perception. Following the drying process, the line also required mercaptan pickling, involving controlled gas flow to achieve the target concentration and a stabilization period to complete the process.

TCI Solution:

To address both phases, the client used a TCI enclosed, trailer-mounted incinerator to safely and discreetly combust the gas. During drying, it enabled continuous flow of high-moisture gas until acceptable levels were reached, with no visible flame, smoke, or odor, which was well-suited for a residential setting. The same unit was then used for pickling, flowing gas until the required mercaptan concentration was achieved, followed by a seven-day stabilization period. Using a single mobile solution, the client completed commissioning efficiently and without community disruption, while avoiding flaring.



**DECREASED IMPACT TO
THE CITY**



**INCREASED OPERATIONAL
EFFICIENCY**



Total Combustion Inc.



Discreet Combustion

- No smoke, odor, or visible flame for discreet combustion.
- Minimize impact to local communities and residents.
- No radiant heat concerns.
- Enhanced safety

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