

Case Story



Flare Stack Flame Alarming Residents

Client:

A Canadian energy, utility and infrastructure company that operates a vast network of natural gas pipelines across Western Canada, is responsible for transporting natural gas to residential, commercial, and industrial customers. The company is committed to safety, reliability, and environmental sustainability in its operations, playing a crucial role in the energy infrastructure of the region.

Challenge:

The client faced the task of installing a new natural gas line West of Red Deer, which involved purging the air and replacing it with natural gas using a traditional flare stack. However, they encountered challenges as residents frequently mistook the large flame from the flare stack as an emergency, resulting in unnecessary calls to the police and fire department. Additionally, considering the proximity of residential areas, the pipeline company had to ensure that the equipment operated quietly to minimize disturbances to nearby residents.

TCI Solution:

The client enlisted the expertise of Total Combustion, who supplied a discreet and highly mobile trailer-mounted incineration unit for the site. This unit was efficiently installed in under an hour and effectively purged the air until 100% natural gas was introduced, allowing the line to be pressurized to the desired working level. Notably, the incinerator operated silently without any visible flames, ensuring that nearby residents remained unaware of the ongoing process. This successful collaboration enabled the company to uphold its commitment to the local community in the region.



ELIMINATED THE FLAME



IMPROVED COMMUNITY RELATIONSHIPS






Total Combustion Inc.



Discrete 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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