

## LNG Plant Construction Performance Guarantee Testing

### Background

As part of the construction of a LNG plant located in Trinidad and Tobago, CleanAir was contracted to provide the engineering and testing services to demonstrate that the air emissions of the newly constructed LNG plant met contractual guarantees that were based on both USEPA and World Bank guidelines.

### CleanAir's Approach

CleanAir developed the test protocol and executed the field testing to determine the particulate matter less than 10 microns (PM10), nitrogen oxide (NO<sub>x</sub>), carbon monoxide (CO), oxygen (O<sub>2</sub>), and sulfur dioxide (SO<sub>2</sub>) emitted from the combustion equipment while firing plant fuel gas, which was natural gas at normal operating load.

### Results

The field testing was successfully executed on-time and within budget and demonstrated that air emissions from the incinerator, gas turbines, hot oil and regeneration gas heaters met the contractual guarantees.

### Summary

An international LNG plant performance guarantee test program. CleanAir developed the test protocol and executed the field testing for PM10, NO<sub>x</sub>, CO, O<sub>2</sub>, & SO<sub>2</sub>.

