



Abstract

Air Quality and Emission Regulations

Over the last few decades, there has been an increasing attention towards environmental regulations to minimize air emissions. That is mainly because the connection between air quality, rising global temperatures, and the human health is better understood. According to The World Health Organizations, one third of fatalities from heart disease, lung cancer and stroke are linked to air pollution.

In addition to regulatory requirements for VOCs, particulate matter, and the recent attention to greenhouse gas emissions, there are new regulations that require refineries to monitor benzene emissions at the fence line. This is to ensure the concentration of emissions leaving the fence is in compliance with the National Ambient Air Quality Standards. High efficiency waste gas combustion provided by Questor Technology, ensure zero fence line harmful emissions by dealing cleanly with the emissions at each process unit.

The deployment of 99.99% verified clean combustion technology ensures zero harmful emissions at the fence line at the same time as reducing capital and operating costs and improving facility safety.

Speaker Bio

**Audrey Mascarenhas, P.Eng., President and CEO
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Audrey Mascarenhas has worked in energy for over 35 years with Gulf Canada Resources Ltd. and Questor Technology Inc. She holds a bachelor's degree in Chemical Engineering from the University of Toronto and a master's degree in Petroleum Engineering from the University of Calgary. She is a fellow of the Canadian Academy of Engineers. Audrey served as a distinguished lecturer with the Society of Petroleum Engineers in 2010/2011. She is a member of the Schulich Industry Engineering Advisory Council and currently chairs the Canadian federal government clean technology strategy table. Audrey was the recipient of the Ernst & Young Entrepreneur of the Year 2011 Prairies Award for Cleantech and Environmental Services and received a national citation for Values-Based Innovation. She was chosen by Business in Calgary as a 2014 Leaders of Tomorrow, is a 2014 Board Diversity 50 cohort and one of Canada's 2017 Clean50. Audrey is a fellow of the Energy Futures Lab, co-chairs the Governor General's Innovation Awards assessment committee. Questor was recently recognized by the Cleantech Innovation exchange (CIX) as one of the Top 10 Most Innovative Cleantech Canadian Companies.