

FRAMEWORK 1 - FOUNDATION

OGDC METHANE AND FLARING COMMITMENTS

1) Near-Zero Upstream Methane Emissions by 2030; 2) Zero Routine Flaring by 2030

The intent of this document is to help reduce global emissions of methane and flaring, by means of providing support to operators in pursuit of their commitments.

This document outlines the suggested steps for an operator to establish a good foundation of methane identification, reporting, and mitigation. Upon implementation of the following steps, an operator would be able to establish baseline methane emissions and begin reduction efforts.

	What does good look like?	How is it achieved?
METHANE	<ul style="list-style-type: none"> Source inventory identification (including flares and vents) Leak detection and repair (LDAR) programme implemented on the entire facility Establish baseline emissions and processes that allow a prompt response to methane leakage alerts identified externally (e.g., MARS) Systems and processes that allow a prompt response to methane leakage alerts identified externally (e.g., MARS) 	<ul style="list-style-type: none"> Conducting a comprehensive appropriate level inventory of emission sources Implementation of an effective LDAR programme with the appropriate technology and processes Implementing a system to manage methane reporting (e.g., Emissions Management System (EMS), etc). Utilizing EMS for methane reporting and understanding baseline emissions (e.g., EMS)
FLARING AND VENTING	<ul style="list-style-type: none"> Ensure solutions are in place to track all flare volumes Understand your types of flaring (e.g., routine, safety) Understand your venting emissions 	<ul style="list-style-type: none"> Ensure all quality flare measurement practices are in place and all flare sources are captured for EMS reporting Implementation and execution of good operating processes supported by best practices, standards, and guidelines Route venting emissions back to the process or to a flare for combustion

Suggested steps to be actioned include:

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| a) Selection of process to capture emissions and its implementation. | d) Venting identification and mitigation |
| b) Methane inventory identification and record keeping | e) Flaring identification elimination/reduction/minimization |
| c) Implementation of LDAR | f) Establishing baseline emissions |

It is recommended that an operator - embarking on the path of methane and flaring reduction - familiarize itself with the following key technical documents that support early actions.

There are additional supporting documents contained in larger databases to support the efforts, please refer to the [MGP library](#) or [IOGP library](#).

KEY TECHNICAL DOCUMENTS

#	Title	Description	Link
1	Technical Guidance Document Number 2: Fugitive Component and Equipment Leaks	How an operator can conduct a methane inventory of an operation and best practices to implement.	Technical Guidance Document - Fugitive Component and Equipment Leaks CCAC
2	How to implement a LDAR Programme	How to conduct a methane LDAR programme (Steps to consider - EMS decisions, equipment inclusion, speciation guidance, potential OGMP 2.0 goals, reporting considerations, potential regulations, etc.)	Directed Inspection and Maintenance (DI&M) EPA
3	Flaring management guidance	Provide a broad guideline on flaring management that is relevant to the oil and gas industry.	Flaring management guidance Ipieca-IOGP-GGFR
4	Flaring	This guide intends to help reduce emissions from flaring.	Reducing-Methane-Emissions-Flaring-Guide MGP
5	Venting	This guide intends to help identify the major sources of venting and reduce methane emissions from them.	Reducing-Methane-Emissions-Venting-Guide MGP
6	Recommended practices for methane emissions detection and quantification technologies - upstream	Provides oil and gas operators with a framework and guidelines for selecting and deploying methane detection and quantification technologies, tailored to the facilities and objectives. Guide to be used as a supplement to a LDAR programme development.	Methane emissions detection and quantification IOGP
7	The Methane Alert and Response System (MARS)	Global satellite detection and notification system providing actionable data on very large methane emissions around the world. Guide to be used to understand and prioritize large emission source identification for minimization/elimination.	The Methane Alert and Response System (MARS) UNEP
8	OGMP 2.0 Implementation Plan Guidance	Guidance and scoring details around each of key elements of the annual implementation plan report. To be used as a supplement to conduct an inventory and LDAR programme to understand future considerations.	OGMP-2.0-Implementation-Plan-Guidance_2 UNEP