

Agenda item 4.1.

Paragraph 35 of the annotated agenda

AM_CLA_296 - Recovery of liquefied petroleum gas (LPG) under AM0009

CDM EB 113

Bonn, Germany, 8 to 11 March 2022



Background – Clarification request 296

As per AM0009, recovered gas can result in production of dry gas and LPG (Figure 2 of AM0009). In the specific situation of the project (single project activity), only recovered LPG would be sold to the market (worldwide export) while the recovered dry gas would be mainly reinjected into the oil field to maintain the reservoir pressure and a much smaller part for gas-lift purposes. Therefore, no pipeline exists to supply recovered dry gas to consumers. Related to this project setup, the following questions become relevant.

- 1) Is the described project setup with only LPG recovery considered for the determination of emission reductions applicable under AM00009?
- 2) If yes, can the baseline emissions be determined following Equation (1) of AM0009 based on the quantity and NCV of the LPG recovered?
- 3) Furthermore, the project setup, as it will be implemented [at an existing processing platform](#) where some gas is already treated, will not allow one direct measurement at point F as shown in Figure 2 of AM0009.

The project aims at flaring measuring gas volume entering the pretreatment and volumes of extracted LPG leaving the system as well as using gas balance calculations in order to define the incremental volumes of LPG due to the avoided. Would such an approach be acceptable under the methodology?



Key issues

- The current version of the methodology limits its applicability to “project activities that recover and utilize the associated gas and/or gas-lift gas from **oil fields** ...”.
- The methodology allows reinjection of gas but only as gas-lift gas (diagram on page 7).
- The methodology applies to “project activities that recover and the utilize the associated gas and/or gas-lift gas from oil fields that would have been either vented or flared in absence of the project activity”.
- The proposed revision mentions that there is already an existing processing platform where some gas is treated. It is unknown what would happen to the associated gas in the absence of the project activity.



MP87 recommendation

“The project intends to recover the associated hydrocarbons which would have been flared, marketing some of the hydrocarbons as LPG and injecting the associate gas. Based on the limited information contained in the clarification request, the Meth Panel is not able to assess the applicability of the methodology in a conclusive manner.

The proposed activity entails enhanced oil and gas recovery operation; this may increase the service level of the activity compared to baseline situation and methodology does not have provision to address them.

Additional sources of project emissions related to energy used for the reinjection of the recovered gas back into the oil fields are not elaborated.

Considering that some gases are already treated in the existing processing facility, it is required to include procedures on determining the baseline i.e., whether the LPG would have been flared in the absence of the project.

