

**Foundation Course on  
Environmental Considerations of Associated Gas Processing and Treatment  
23-25 March 2022, Online**

**Exercises – To be undertaken individually or in a group**

**Part 1 – Developing a checklist for an Environmental Impact Assessment (EIA) review related to a gas processing project.**

You have been asked to assist and become part of the team who will review an EIA report that has been submitted for a proposed gas processing project: **Pembina Gas Processing Facility**. Your job is to identify the major potential environmental impacts that may arise from the proposed project and ensure the EIA report will assess these potential environmental impacts.

What type of information and commitments with regards to the management of gas processing would you need or request to see in the EIA submitted by the operator for this proposed project?

Instructions: You have 45 min to prepare this exercise

1. Elect a group rapporteur who can report back on the group outputs and discussions.
2. Develop a checklist the EIA review team can use for their review on gas processing and treatment. During the preparation of the checklist, discuss the minimum level of detail you need to be able to approve the EIA report, accounting for your local/country context. Be as specific as possible.

Note: You may look at other sample EIA reports to gain a sense of what an EIA report should contain.

3. Please prepare on a file document which can be shared.

Reference documents (found in supplementary documentation Google Drive folder):

- Pembina Two Lakes Project Terms of Reference
- Sample EIA reports:
  - Anadarko, Environmental Impact Assessment (EIA) Report for the Liquefied Natural Gas Project in Cabo Delgado, Mozambique
  - ERM, Environmental Impact Assessment (EIA) Report for the Twendeboa, Enyenra, Notomme (TEN) Project, Ghana

## **Part 2 – Identifying impurities that should be removed from associated gas.**

Instructions: You have 45 min to prepare this exercise

1. Elect a group rapporteur who can report back on the group output and discussions.
2. Discuss and identify the impurities that need to be removed so the associated gas can be used for energy generation activities in your country.

List them here:

Reference documents (found in supplementary documentation Google Drive folder):

- Readers 1, 3, 5, 6, 7, and 8

3. Review the reference document on "Natural Gas Emergency Procedures and Accident Prevention". Discuss and determine the key elements which should be part of an effective emergency prevention and response plan for accidental gas leaks. Develop these key elements, also accounting for your own local/country standards.

Reference documents (found in supplementary documentation Google Drive folder):

- Natural Gas Emergency Procedures and Accident Prevention, Fire and Life Safety Group
- Reader 2