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**Submission contents:**

Please accept this submission on the referral of the Carpentaria Pilot Production project by Imperial Oil and Gas. The Carpentaria Pilot Production Project has the potential to have a significant impact on the environment. I believe that Imperial should be required to prepare a full Environmental Impact Statement, or at the very least a Supplementary Environment Report. This is because the material provided has not mentioned nor addressed the major health and environmental impacts which concern me the most. I am a health care professional and resident in the NT. It is the health and environmental impacts of oil and gas developments in this area that would affect the younger people and most vulnerable members of our community and generations after them that are most critical. Specially I am writing about the contamination of drinking water, air for breathing and detrimental destruction of the land and the creatures that live upon it. Yes very basically the necessities of life "all our lives" and our futures. Therefore, the project should be subjected to a full comprehensive assessment in regard to the impact on water, climate change and biodiversity in the region. Based on information I have read about the Imperial Oil and Gas statement, I would like to reiterate that emphasise that: - Imperial falsely claims that the impacts of greenhouse gas emissions will be reduced or completely removed by the sale of appraisal gas, however shifting the emissions downstream does not alter the climate change impacts of those emissions. - The referral fails to identify the environmental impacts and risks of those emissions, or where those emissions would occur. These details are critical for the NT EPA to understand in reference to the NT EPA objective of net zero emissions by 2050. - Imperial fails to identify that there are additional potential significant impacts related to the extraction of groundwater, risks of cross-contamination and induced seismicity from hydraulic fracking and the wastewater management system proposed in the EMP. - The referral documents provide insufficient information to fully assess potential risks which are required for the EPA to be satisfied about the acceptability of those risks. Missing water information includes groundwater testing and drawdown modelling, surface water hydrology and detailed plans for the wastewater management system. - The conclusion that this activity will not pose a significant impact to nationally threatened and migratory species is not supported by evidence, and the material provided to the EPA by Imperial demonstrates serious deficiencies in the survey effort and assessment of these species. - The referral to the EPA asserting 'no significant impact' occurred prior to a follow-up meeting with Traditional Owners that was scheduled in the late months of 2023 and had to be postponed. It seems that Traditional Owners have not been provided opportunities to contribute knowledge about biodiversity and water impacts.