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Project Description

Van Oord in an attempt to improve its operational efficiency is seeking the EPA’s approval for the installation and operation of a fuel tank to store and distribute fuel to its support vessels (Crew Transfer Vessels, Anchor Handling Tugs, Supply and Survey Vessels) operating nearshore Georgetown to support offshore pipeline installation activities in Guyana from the Toolsie Persaud Wharf, Located at Lombard Street, Georgetown.

The Gas to Energy (GTE) project in Guyana is an offshore/onshore development in the vicinity of Georgetown, Guyana that will provide gas from the existing offshore developments to an onshore Natural Gas Liquids (NGL) plant and power plant (third-party operated). This will enable the Government of Guyana (GoG) to provide low cost and reliable energy source to the people of Guyana.

The project will utilize produced gas from the existing Floating Production, Storage, and Offloading Vessels (FPSOs) “Destiny” and “Unity”, to be transported to shore via a ~245 km 12 inch pipeline system. The pipeline will transport up to approximately 50 million standard cubic feet per day (MSCFD) of rich gas to the NGL Plant. The NGL plant will lower the pressure; dehydrate; separate out propane, butane, and pentanes+; and treat the gas to the required specifications of the power plant.

In this respect Esso Exploration and Production Guyana Limited (EEPGL) has requested the Consortium of Subsea 7 LCC and Van Oord Offshore (EPC5) to install a 12.75” OD Gas pipeline system from existing gas production facilities offshore Guyana towards the shore.

The gas export pipeline (NPS 12) starts at the single hub, Pipeline End Termination (PLET) at the gathering location and terminates at the battery limit located at the pipeline landing location for a total length of approximately 195 km. Figure 1 shows the preliminary offshore pipeline corridor with a notional description of pipeline segments.

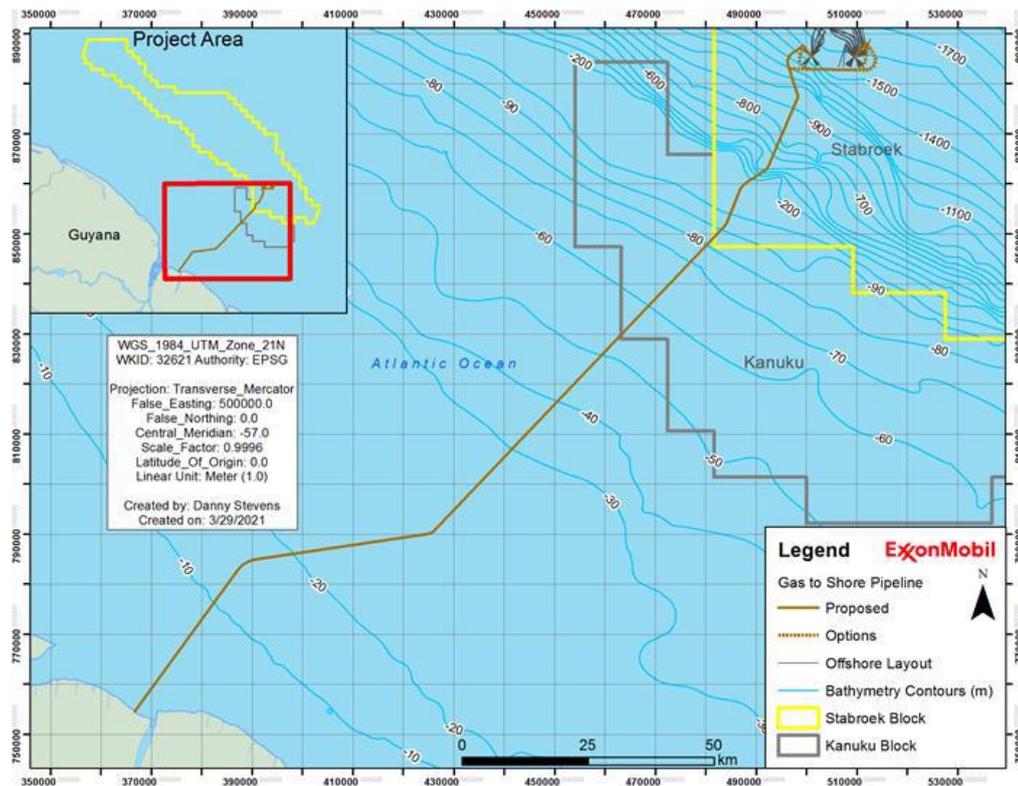


Figure 1 Project schematic

The Guyana Environmental Protection Agency approved the EEPGL Gas to Energy Project in November 2022, and EPC 5 project implementation commenced in Q2-2023.

Potential effects on the Environment

Shore to ship bunkering can pose a pollution risk to the marine environment in the unlikely event that a spill should occur. Based on thorough management and mitigation measures, supported by the inductions and training of crew with close monitoring during operations, Van Oord will strive to maintain preventative measures to reduce the likelihood of a spill occurring during bunkering offshore.

These measurements shall include but are not limited to the following:

- Project Spill Prevention Plan (provided in support of this application).
- Rigorous Hazard Identification and Risk Assessment (HIRA) for offshore bunkering.
- Bunkering Plan and Strategy (provided in support of this application)
- Induction and training of crew.

Van Oord’s objective is to minimise and prevent risks to the environment; However, in the highly unlikely event of a spill the vessel Shipboard Oil Pollution Emergency Plan (SOPEP) provides spill response details, all vessels in the fleet shall be equipped with SOPEP spill kits and equipment. Training drills will be conducted with all vessel crews with respect to spill prevention and response.