GAS IMPORT JETTY AND PIPELINE PROJECT
ENVIRONMENT EFFECTS STATEMENT
INQUIRY AND ADVISORY COMMITTEE

TECHNICAL NOTE

TECHNICAL NOTE NUMBER:	TN 010
DATE:	2 October 2020
LOCATION:	Crib Point Jetty Works and Pipeline Words
EES/MAP BOOK REFERENCE:	Chapter 9 – Groundwater section 9.8.2
SUBJECT:	Response to RFI 053 - section 5.2 in relation to CPRF piles
SUMMARY	Further information regarding potential impacts to groundwater
REQUEST:	53. Explain any groundwater impacts from the construction and piling of the nitrogen tank at the CPRF.

NOTE:

[53] CPRF piles

1. Potential impacts to groundwater during augering of the piling hole at the Crib Point Receiving Facility are assessed in Section 7.1.3 of EES Technical Report D: Groundwater Impact Assessment (Risk ID HG8).

2. Regional geology indicates that the Crib Point Receiving Facility is underlain by Baxter Sandstone of the upper tertiary aquifer, which is typically greater than 20 metres thick (see Table 5-1 of EES Technical Report D: Groundwater Impact Assessment). Overlying alluvial sediments (if present) would be thin and of limited saturated thickness. The potential for multiple aquifers being intersected across the 20-metre depth of piling is considered unlikely, and the variability of groundwater quality is not anticipated to be material in terms of beneficial uses. Further, the interconnection of aquifers (if any) would be of short duration - being limited to the time taken to drill up to 20-metres deep and pump in concrete slurry.

3. Overall, the risk of interconnecting aquifers and impacting groundwater quality such that beneficial uses and/or groundwater users are affected in one or more aquifers is low.

CORRESPONDENCE:	[N/A]
ATTACHMENTS:	[N/A]