



**DAMPIER TO BUNBURY NATURAL GAS PIPELINE
PROPOSED REVISED ACCESS ARRANGEMENT**

SUBMISSION #58

FURTHER INFORMATION ON GAS QUALITY SCENARIOS

PUBLIC VERSION

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1. GAS QUALITY SCENARIOS

- 1.1. This is one of a series of submissions being made by Operator in response to the Draft Decision on Proposed Revisions to the Access Arrangement for the Dampier to Bunbury Natural Gas Pipeline (“Draft Decision”) released by the Economic Regulation Authority (“Regulator”) on 11 May 2005. The Draft Decision pertained to proposed revisions to the Access Arrangement (“Proposed Revised Access Arrangement”) for the Dampier to Bunbury Natural Gas Pipeline (“DBNGP”) submitted by Operator on 21 January 2005.
- 1.2. *[deleted – confidential & commercial in confidence]*.
- 1.3. *[deleted – confidential & commercial in confidence]*.
- 1.4. Operator understands that the request for information relating to “Density” is intended to mean the Density used in the formula to calculate the Wobbe Index levels (ie relative density). Operator also understands that while it is not a specific element of the gas quality specification proposed either by Operator or the Regulator, it is being requested to better understand the impact of Amendment 15 on the firm and maximum capacity of the DBNGP.
- 1.5. Operator submits the Density of gas is only a worthwhile measure if a constant temperature and pressure is applied. As gas is compressible, the same 1kg of gas at 1KPa will have a different density at 10000kPa. In the case of the DBNGP, the reliability of this measure is questioned because:
- (a) the access arrangement provides for gas to be received into the pipeline at different temperatures at different inlet points; and
 - (b) the DBNGP is a heavily compressed pipeline.
- 1.6. As a result, it is considered that relative density - often called specific gravity, is a more practical measure than the absolute density.
- 1.7. *[deleted – confidential & commercial in confidence]*
- 1.8. *[deleted – confidential & commercial in confidence]*
- 1.9. *[deleted – confidential & commercial in confidence]*
- 1.10. Operator requests that the Regulator exercise its discretion and consider this submission notwithstanding that it was lodged outside the public consultation period.

[deleted – confidential & commercial in confidence]

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