

**From:** Baddeley, Tom  
**To:** [fracking inquiry](#)  
**Cc:** [REDACTED]  
**Subject:** RE: Hydraulic Fracturing Inquiry Correspondence - Request for Information  
**Date:** Wednesday, 7 June 2017 4:25:44 PM  
**Attachments:** [117060716402600509.png](#)

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Pursuant to the Chair's request dated 24 May 2017, please find below links to Santos' two publically available risk assessment reports:

- Santos GLNG Chemical Risk Assessment - [link here](#)
- Santos GLNG Compendium of Assessed Stimulation Fluids:
  - Main Report - [Link here](#)
  - Appendix A – [link here](#)
  - Appendix B – [link here](#)
  - Appendix C – [link here](#)
  - Appendix D – [link here](#)
  - Appendix E – [link here](#)
  - Appendix F – [link here](#)
  - Appendix G – [link here](#)
  - Appendix H – [link here](#)
  - Appendix I – [link here](#)

Santos GLNG, as part of a wider industry program is also completing a Direct Toxicity Assessment (DTA) for aquatic fauna in accordance with the Santos GLNG Project's EPBC Act approval (October 2010) – [link here](#). The DTA is currently under active assessment by the Commonwealth Government, and as such Santos is not in a position to provide or publish a copy. However, the potential risks associated with a hypothetical release scenario to an aquatic receptor (total effluent toxicity) have been conservatively and quantitatively assessed in the abovementioned references, using best practice Australian and international risk assessment guidance. When approved, the DTA will be used to support the risk assessments already included in the above mentioned references.

We also note that a DTA approach does not form part of the risk assessment methodology for hydraulic fracturing fluids in accordance with the more recent Santos GLNG Gas Field Development Project EPBC Approval (March 2016) – [link here](#). Rather, a Terms of Reference methodology comprising best practice Australian and International guidance has been developed and approved by the Commonwealth Government for undertaking such risk assessments. A copy of this approved methodology was provided as Appendix B of the Santos submission and has also been attached to this response for your convenience.

This best practice methodology allows the individual chemical additives and total fluid composition, including the source water and geogenic constituents, to be assessed and for amendments in fluid chemistry to be made over time.

If you require any further information, please come through me

Cheers

Tom Baddeley

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**From:** fracking inquiry [<mailto:fracking.inquiry@nt.gov.au>]

**Sent:** Friday, May 26, 2017 9:49 AM

**To:** [REDACTED]

**Subject:** Hydraulic Fracturing Inquiry Correspondence - Request for Information

[REDACTED]

Please see attached correspondence from the Hon Justice Rachel Pepper.

**Regards**

**Hydraulic Fracturing Inquiry**

e ... [fracking.inquiry@nt.gov.au](mailto:fracking.inquiry@nt.gov.au)

w ... <https://frackinginquiry.nt.gov.au/>



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