

Mr Christian Taylor
Principal Technical Advisor
Infrastructure Victoria
Level 16, 530 Collins Street
Melbourne VIC 3000

HASKONING AUSTRALIA PTY LTD.

Level 14
56 Berry Street
NSW 2060 North Sydney
Australia
+61 2 8854 5000 **T**
+61 2 9929 0960 **F**
Infosydney.mandw@rhdhv.com **E**
royalhaskoningdhv.com **W**

Date: 03 March 2017
Your reference:
Our reference: PA1520_I001.F01_20170301

Contact name: Greg Britton
Telephone: +61288545000
Email: greg.britton@rhdhv.com

**Infrastructure Victoria Second Container Port Advice
Technical Studies for Peer Review**

Dear Christian

I am writing to confirm the outcome of my peer review of the reports provided to me by Infrastructure Victoria (IV) in relation to the advice IV is providing to the Victorian Special Minister of State on the future capacity of Victorian's ports, focussing on the need for, timing and location of a second container port. The reports I have examined are listed in Attachment A.

Following review of the reports, discussions were held with representatives of IV (Mr Christian Taylor and Mr Andrew Varga) to discuss a number of relatively minor issues that were identified. These discussions lead to some revisions to one of the technical reports, 'Engineering, Dredging and Reclamation: Concept Designs and Costings – Bay West and Hastings' (GHD, 2017).

In summary, it is my view that the reports I have examined (as revised in the case of the report noted above) provide a suitable evidence base for IV to prepare advice on the timing and location of a second container port. I have not identified any major errors of fact or logic that would erode confidence in reliance on the reports.

While the engineering lying behind the reports has been developed to a conceptual level of detail only at the time, where uncertainty applies generally a conservative approach has been taken. Furthermore, much of the work is comparative in nature which assists in the reliance on the reports where information may be conceptual or preliminary. It is noted in particular that the following site specific work has been undertaken which is beneficial for preparation of informed advice on port development:

- real time navigation simulations;
- geotechnical investigations;
- geophysical investigations.

I trust the above satisfies your current requirements. Please contact me should you require any clarification or additional information.

Yours faithfully
Royal HaskoningDHV



Greg Britton
Managing Director
Maritime & Aviation

Attachment A to letter to Infrastructure Victoria dated 1 March 2017

List of Reports examined in Peer Review

The reports examined are listed below (abridged titles), divided into 'Lead Reports' and 'Supporting Reports'. The Lead Reports were the main focus of the review.

Lead Reports

- GHD (2017), 'Estimated Capacity of the Port of Melbourne', February 2017
- GHD (2017), 'Engineering, Dredging and Reclamation: Concept Designs and Costings – Bay West and Hastings', February 2017
- GHD (2017), 'Environment and Social Advice', February 2017
- AECOM (2017), 'Navigation Study', 31 January 2017
- Cardno (2017), 'Hydrodynamics', 31 January 2017
- Neville Rosengren (Environmental GeoSurveys Pty Ltd), 'Geomorphology Study', January 2016

Supporting Reports

- GHD (2016), 'Port Phillip Bay Geophysics Survey', October 2016
- Baggerman Associates (2017), 'Dredging and Reclamation', 15 February 2017
- Deloitte (2016), 'Container Trade Forecasts for Victoria, 22 December 2016
- Drewry (2017), 'Container Ship Fleet Forecast and Maritime Economic Assessment', 3 February 2017
- Raylink Consulting (2017), 'Regional Rail East & Hastings Rail Link – Concept of Operations Report', February 2017