

13 July 2021

Commercial-in-Confidence

Ben Salon
Associate - Mills Oakley
Level 7 151 Clarence Street
Sydney NSW 2000

Dear Ben

Consideration of updated MRA TNG Feedstock Review and removal of floc waste with regard to the Human Health Risk Assessment

AECOM Australia Pty Ltd (AECOM) has been engaged to review the following documents, as provided by Mills Oakey, and consider any implications to the outcomes of the Human Health Risk Assessment (HHRA)¹ dated 28 September 2017 prepared for the proposed Energy from Waste (EfW) Facility at Eastern Creek.

- MRA (2021). TNG Feedstock Review, TNG v IPC No. 2019/13009. Mike Ritchie & Associates Pty Ltd trading as MRA Consulting Group, 28 May 2021.
- HZI (2021). Suitable Fuel Types for TNG Eastern Creek EfW Facility. Hitachi Zosen Inova Australia Pty Ltd, 7 June 2021.
- Zephyr (2021). The Next Generation Energy from Waste – Amended Feedstock – Air Quality. Zephyr Environmental, 1 July 2021.

It is understood from the Feedstock Review (MRA, 2021) that it is feasible for The Next Generation (TNG) to remove floc waste as a waste stream to be processed by the EFW Facility.

It was concluded by Zephyr Environmental (2021) that, *“the atmospheric dispersion modelling completed within the AQGG [Air Quality and Greenhouse Gas] Assessment² is based on the assumption that regulatory emission limits are met regardless of feedstock composition. This assumption is considered reasonable for all anticipated waste streams proposed, and following guarantees proposed by the project’s technology provider, HZI. As such, the above proposed changes do not change the conclusions of this work”*.

The ground level concentrations resultant from atmospheric dispersion modelling undertaken as part of AQGG Assessment were used in the HHRA. Therefore, given that an operational scenario whereby regulatory emission limits were met was considered in the HHRA, similarly the proposal to remove floc from the waste stream would not change the conclusions of the HHRA.

Zephyr Environmental also reviewed the NSW EPA’s Draft Policy Statement “NSW Energy from Waste” dated March 2021 and confirmed *“that there are not any amendments which impact upon my opinions expressed above, or previously in relation to the ability of the project to meet regulatory expectations with respect to air quality. The AQGG Assessment evaluates emission scenarios that meet, or are below, the proposed emission standards for energy recovery facilities. I note that the technology provider, HZI has confirmed that the proposed technology can be modified to meet such emission standards”* (Zephyr Environmental, 2021).

As such, amendments of the NSW EPA’s Draft Policy Statement would not change the conclusions of the HHRA.

Please contact the undersigned if you have any questions.

1 AECOM (2017). Human Health Risk Assessment, Energy from Waste Facility, Honeycomb Drive, Eastern Creek NSW. Rev 4. AECOM Australia Pty Ltd, 28 September 2017.

2 Pacific Environment (2017). Air Quality and Greenhouse Gas Assessment, Pacific Environment, 20 November 2017.

Yours faithfully



Lesley Limage
Senior Environmental Scientist
lesley.limage@aecom.com
Direct Dial: +61 2 8934 0058
Direct Fax: +61 2 8934 0001



Amanda Lee
Technical Director- Environment
Amanda.Lee@aecom.com
Direct Dial: +61 3 9653 1234
Direct Fax: +61 3 9654 7117