

Ben Salon
Associate - Planning & Environment
Mills Oakley
Level 7, 151 Clarence Street
Sydney NSW 2000

1 July 2021

RE: The Next Generation Energy from Waste - Amended Feedstock - Air Quality

Dear Ben,

The following correspondence relates to The Next Generation NSW Pty Ltd (TNG NSW) proposal to construct and operate an Energy from Waste (EfW) facility located at Honeycomb Drive, Eastern Creek, to treat 552 ktpa residual waste as fuel (the project).

I confirm that I was responsible for the delivery of the Air Quality and Greenhouse Gas Assessment, prepared by Pacific Environment, dated 20 November 2017 (the AQGG Assessment) for the project.

I have been asked to review additional information relating to The Next Generation Pty Ltd v Independent Planning Commissioner & Ors - NSWLEC 2019/13009 Proceedings.

Specifically, I have been asked to review the following documents:

- Feedstock Report from MRA, final issue dated 28 May 2021; and
- Letter from Marc Stammach from the proposed Energy from Waste (EfW) technology provider, Hitachi Zosen Inova (HZI), dated 7 June 2021.
- NSW EPA's Draft Policy Statement "NSW Energy from Waste", published for public consultation and dated March 2021.

Following review of the above documents, I can confirm:

- My understanding is that removal of floc waste as a waste stream to be processed by the project is feasible.
- This change will not impact the feedstock supply, nor the ability to demonstrate that the waste is "like" the feedstock supplied to the Ferrybridge reference facility.

With respect to this potential change, I note that:

- the air pollution control technology at any modern EfW facility is designed to handle a range of waste derived fuel, including the chemical constituents within floc, without significant impact upon the post-abatement technology.
- However, any change to the feedstock that removes floc will remove the perception that this waste stream increases uncertainty around performance of the proposed air pollution control technology.

In conclusion, the atmospheric dispersion modelling completed within the AQGG Assessment 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 change does not change the conclusions of this work.

Finally, I have reviewed the NSW EPA's Draft Policy Statement "NSW Energy from Waste" and can confirm 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 meet such emission standards.

Do not hesitate to contact the undersigned if you have any queries on the above.

Yours sincerely

A handwritten signature in black ink that reads "D.A. Roddis".

Damon Roddis
Principal - Air Quality and Carbon
Zephyr Environmental
damon.roddis@zephyrenviro.com