TOOKER+ ASSOCIATES

Benedict Recycling Pty Ltd
Mayfield West Recycling Facility
1A McIntosh Drive, Mayfield West
Attention: Mr Peter Mills

22 June 2018

Dear Sir,

Area 1 Initial Tank and Holding Tanks Inspection

The expanded operations at the Mayfield West Recycling Facility were approved on the 13 March 2018 by the Minister of Planning as State Significant Development No. 7698. Schedule 2 Part B Consent Condition B25 entitled Surface Water Management System requires the water management system to be designed and constructed by a person endorsed by the Secretary. I have been endorsed by the Secretary for this purpose.

The surface water management system for the site has been divided into two separate areas. The bunded Area 1, "Potentially Contaminated Wastes Area", from which surface runoff will be captured in an initial tank (6m x 4m x 2m deep) and pumped to holding tanks with a capacity of 230,000L. Water in the holding tanks will be reused onsite for dust suppression and excess water will be discharged to the perimeter channel if the water has suitable quality. Any excess water which does not meet the water quality requirements will be discharged to the sewer.

The initial tank was proposed to be a three stage tank to aid settling of sediment. It was found that there was excessive turbulence in the first stage chamber so this chamber was enlarged to incorporate the first two stages into one stage with plan dimensions of 4m x 4m. This improves the initial settling behaviour in the tank. Also, the tank depth has been increased from 2m to 2.5m to further aid settling in the tank.

The Area 1 surface management equipment was inspected on the 21 June 2018. This letter is to confirm that the initial tank has been installed as a two stage tank with dimensions of 4m x 6m x 2.5m deep. Flocculation equipment has been installed to deliver flocculant to all areas of the tank to aid removal of particulate matter. A 29 L/s pump has been installed to transfer water from the initial tank to the holding tanks. Five holding tanks each with a capacity of 50,000L provides a storage capacity of 250,000L which is above the design volume required of 230,000m3. This volume was chosen because it suited the commercially available tank sizes. It is a favourable outcome because it will further reduce the potential for overflows. Drainage pipes are installed to deliver water from the tanks to the perimeter basin or to the sewer as required.

In accordance with Condition B26, I confirm that the Area 1 surface water management equipment has been installed to achieve the outcomes in the project approval.

Yours sincerely

Mark Tooker

Director

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