

19 March 2020

Pollution Solutions and Design Pty. Ltd.
13 Zeil St
ALICE SPRINGS, NT 0870
AUSTRALIA

Attention: **Catherine Vero**
Senior Process Engineer

Dear Catherine

RE: NZ Biosolids Reports

Following your email dated 12 February 2010 requesting update of the 2019 Biosolids survey report, Stantec carried out a review to see where the issue had occurred and found that there was a hidden excel spreadsheet error that had led to the pie chart not totalling to 100%.

In the process of that review Stantec also noted that the methodology that had been employed in the reports since 2013 was to present the information in terms of the number of WWTP in each category – rather than in terms of the percentage of overall mass of biosolids. The 2013 version of the report did note that this was the basis for the pie charts although this did differ from the initial text introducing the report and, as understood by Stantec, the desired methodology for reporting. In subsequent versions of the report the wording that described the basis (number rather mass) was lost.

Stantec have updated the 2019 and previous reports to add to them the correct Mass Basis but have also included the number of WWTP as we believe this adds useful information on the evolution of biosolids treatment as well.

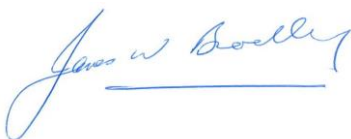
In our review we also assessed some of the tabulated survey data to consider inconsistencies in the reporting and this has led to some category changes in the historic record. Some WWTP that were previously classified as “other” have now been allocated in their appropriate categories. This refinement enhances the data.

Our discussions around WWTP with ocean outfalls should also be noted. The solids produced by these WWTP are not considered biosolids under the definition of this report as they remain in the treated liquid stream being discharged and as such they have no processes, uses, or mass associated with them.

Stantec apologises for any inconvenience that these errors and inconsistencies may cause with ANZBP.

If you have any question please contact the undersigned,

Yours sincerely



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