

AUSTRALIAN AND NEW ZEALAND BIOSOLIDS PARTNERSHIP

REQUEST FOR QUOTE

Australia and New Zealand Biosolids Production and Use Project

Deadline for submissions – 12th April 2019

Key contact

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Objective

Develop an accurate and comprehensive data-set of Biosolids Production and End Use for Australia and New Zealand, and to present this data in an easy to understand format suitable for publication to a broad audience of ANZBP subscribers.

Description of deliverables

The consultant is to collect accurate biosolids production statistics from Australian and New Zealand wastewater treatment plants (in tonnage) including final end use. The data is to be collated in a database and then summarised in two reports (one for Australia and one for New Zealand) for publication on the ANZBP Subscribers' website. The information should be expressed on a state by state basis (Australia only) and also aggregated to produce overviews on a national level for each element of the research.

The information to be collected from WWTPs (where available) is:

1. Biosolids production in dry tonnes per day
2. Biosolids production in wet tonnes per day
3. Stabilisation Grade (Restricted, Unrestricted)
4. Contamination Grade
5. Stabilisation process
6. Dewatering process
7. End use

The final database containing these figures must be clear and simple to interpret, allowing for future analysis. In addition, to illustrate the results of the research in a manner suitable for quick reference by ANZBP Subscribers, the final report should contain appropriate graphs and figures to clearly depict the data collected for each of these characteristics on a state and territory level and aggregated to a national level.

The focus of this work is on accessibility for members so clarity is of paramount importance. Methodologies should be summarised, as should explanations of the classification processes used.

Previous reports can be found on the member-only section of the ANZBP website via the following link: <https://www.biosolids.com.au/biosolids-atlas/statistics/>. Please contact the Project Manager if you are not a member of the ANZBP and would like to request a copy of a previous report.

By way of example, the following images show the table of contents for the 2017 reports:

Australia:

ANZBP		BIOSOLIDS PRODUCTION IN AUSTRALIA 2017	
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Table 3-1:	Stabilisation Gradings..... 2

Approaches to data collection

This data collection must be nationwide in reach (for both Australia and New Zealand) and include approaches to all eligible treatment works based on the following principles:

Due to the urbanised nature of Australia, the large number of small community wastewater treatment plants and the difficulties in obtaining data from these facilities, a **minimum solids processing capacity*** of 30,000 Equivalent Persons has been set for this investigation. Similarly a **minimum solids processing capacity** of 25,000 Equivalent Persons has been set for New Zealand. Both of these figures cover roughly 80% (+/- 10%) of the total population of those countries.

Limitations of any data must be clearly documented.

Requirements of Consultant's Proposal

Any proposal for the above work must detail the work methods and organisational arrangements that will be used in delivering this project, and the capacity of the Consultant to undertake the work. The proposal must include:

1. A statement as to the methodology to be employed for completion of the project.
2. Details of the Consultant's project team, including:
 - The names of key personnel to be allocated to tasks and a brief description of their role in the Consultant's organisation.
 - A statement as to the hours allowed for each task and hourly rates (please note, contracting will be done on a lump sum basis)
 - The names of any sub-consultants to be engaged, and details of the activities in which they will be involved
3. The schedule of Lump Sum Prices, at a minimum set out to the following level of detail:

Task	Task Description (Defined by Consultant)	Lump Sum Fee (excluding GST)
a) Data Collection		
b) Analysis		
c) Reports and database production		
Total		

4. Confirmation that the work can be completed by or before 1st August 2019 (given a predicted commencement date of 1st May).
5. Consultants are also required to declare any potential conflict of interest arising from the tasks under this brief for their firm. Where a potential conflict of interest does exist, consultants are required to advise how such a conflict will be managed during the project.

* In previous years we have used a minimum WWTP influent size however centralising / importing is becoming more common, for example NZs Taupo WWTP has about 20,000 PE for liquid processing, but imports from 3 or 4 surrounding WWTPs.