



PROJECT FACT SHEET

Water Corporation, Perth

CUSTOMER:

Water Corporation

LOCATION:



Water Corporation transports biosolids from its three main metropolitan wastewater treatment plants to various locations and application sites within a 250km radius of Perth.

STATUS:

Current
Start date: 2019

THE CONTRACT: HAULAGE

Bis provides Water Corporation with critical and specialised haulage services.

Specifically, Bis is responsible for loading and hauling processed biosolids from Water Corporation's metropolitan wastewater treatment plants to various locations within 250 km of Perth for processing and recycling.

In so doing, it supplies Water Corporation with a series of innovative new road train combinations engineered specifically to carry biosolids.

The new equipment solution was designed by Bis' in-house innovation and engineering team.

CUSTOMER OPERATIONS:

Water Corporation is the principal supplier of water, wastewater and drainage services throughout Western Australia.

Biosolids products are transported directly from wastewater treatment plant collection points and delivered to agricultural land and forestry plantations for direct land application, or to compost facilities for incorporation into fertilisers.

Road transportation of biosolids is the responsibility of specialist haulage contractors appointed by Water Corporation and management of these third party contractors is an important element of the organisation's biosolids program.



ASSETS

PEOPLE

- » There are approximately 18 Bis employees working on the Water Corporation contract.

EQUIPMENT

- » Lime-amended biosolids (LAB) trucks (with enclosed metal silo containers).
- » Tipping trucks (fitted with air tight hydraulic tarping systems).
- » Volvo FH16 8x4 prime movers with Eu5 16L engines.
- » Proprietary cloud-based safety monitoring systems installed in each vehicle.

KEY ACHIEVEMENTS:

A fleet of new road train combinations pulled by Volvo FH16 8x4s, were developed by Bis specifically for this contract, introducing a new level of flexibility and reliability to the handling and movement of biosolids.

In addition to designing these new road train combinations, Bis' reputation for safety and reliability were key factors in the company being awarded the contract.

INTELLIGENT IN-CAB MONITORING

Coupled with the physical bespoke equipment solution, this contract also benefits from Bis' unique safety and productivity management systems, including the use of best-in-class, proprietary cloud-based artificial intelligence monitoring systems.

Bis has embarked on a digital journey to improve how we manage and deliver safely throughout our operations, and all of our new on-road haulage assets are fully-equipped with technology features that drive safety improvements with the use of both artificial intelligence and human data analytics techniques.

Our software consolidates these data sources to create and develop insights that alert managers and vehicle operators to operational risks and potential issues.

In addition, our bespoke monitoring technology captures daily operational data to help identify areas for improvement and to drive cost efficiencies for our customers.