

ATTACHMENT

Item 6.2.11
Mudgee Sewage Treatment
Plant Construction



**Contract No.0901709 - Mudgee Sewerage Augmentation
Construction of a New Sewage Treatment Plant and Associated Works**

Project Status Report

December 2011 - January 2012



Report No. 5

Issue Date: 3 February 2012

Prepared by: Brett Corven
Principal's Authorised Person

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EXECUTIVE SUMMARY

Contract No.	0901709
Principal Contractor	Precision Civil Infrastructure ABN 16 097 107 956
Original Contract Sum (ex GST)	\$13,699,295.45
Approved Cost of Variations Total	\$0.00
Current Contract Sum	\$13,699,295.45
Contract Payments to Date	\$1,037,426.40
Total Project Cost Expended	7.6%
Date of Contract	8 August 2011
Original Contract Duration	511 calendar days Milestone 1: 28 calendar days Milestone 1+ 2: 420 calendar days (82.2%) Milestone 3: 63 calendar days (12.3%) Milestone 4: 28 calendar days (5.5%)
Approved Extensions of Time Claims	18 calendar days (3.0%)
Contract Completion Date	18 January 2013
Calendar Days Elapsed	176
Calendar Days Remaining	353
Total Project Time Expended	33.3%

Notes:

Milestone 1 – Preparation and submission of pre-construction documents.

Milestone 2 – Construction of the Works.

Milestone 3 – Site testing, plant demonstration and commissioning.

Milestone 4 – Preparation and submission of operation and maintenance manuals and work-as-executed drawings.

1. Project Status

1.1 Work Progress during December 2011 and January 2012

1.1.1. Earthworks

Works carried out during December/January include cut and fill earthworks, which are now completed. Roads are being constructed or cut to the bottom of the sub-base layer and pads for structures will be constructed to 50mm below the underside of the structure.

1.1.2. Design Review

The Contractor engaged a consultant to carry out a full design review of the Sewage Treatment Plant. The consultant has recommended that Council install an underdrain system beneath the Aeration and Catch Balance Tanks to eliminate any risk of the structure floating or failing due to uplift forces produced by groundwater seeping beneath the tanks. An underdrain system was initially designed by GHD and was subsequently removed as a cost savings measure (\$79,158 reduction). An alternative improved drainage system is being designed and costed for consideration by the Principal.

1.1.3. Photographs



Photograph 1. Excavation for Aeration Tanks and Catch Balance Tank



Photograph 2. Sludge Lagoons earthworks near completion.

1.2 Work Activities planned for February 2011

1.2.1. Aeration and Catch Balance Tanks

The Contractor intends installing a drainage system if required and pouring a plain concrete blinding beneath the aeration and catch balance tanks during February. The contractor had programmed to pour the blinding layer during December 2011 but was delayed by wet weather and structural design concerns.

The blinding concrete is required to provide a firm level foundation suitable for formwork and reinforcing steel placement prior to pouring the main structural concrete.

1.2.2. Amenities Building

The Contractor intends pouring the concrete foundations, slab and switch room sub-floor during February 2012.

2. Project Variations

There were no requests for contract variations during December 2011 and January 2012. As discussed in Section 1.1.2 of this report, the contractor will shortly submit a fee proposal to install a drainage system for the Aeration and Catch Balance Tanks structure.

Total cost of variations = \$nil (0.0%).

3. Contractual Issues

Clause 2.2 of the General Conditions of Contract requires that the Principal must ensure that there is a person appointed to act on behalf of the Principal in relation to the Contract as the *Principal's Authorised Person* and must keep the Contractor informed in writing of the name of that person, and of any change. The Principal's Authorised Person at the Date of Contract was Brett Corven

The Contractor will be formally advised that the Principal's Authorised Person will be Claire Cam from 9th February 2012.

4. Progress Payments

Progress Claim No.3 for a sum of \$129,298.60 (plus GST) was received on 21st January 2012. The progress claim has been assessed and a progress payment of the full amount claimed approved.

5. Program

The Contractor has submitted a claim for an extension of time of eight weeks (5 December 2011 to 30 January 2012) due to delays caused by the requirement to undertake a design review, deferring the commencement of concrete works. However, during this period the Contractor had not completed earthworks enabling concrete works to commence and the period includes a planned Christmas holidays site closure. Regardless of any design delays, there were several wet days during this period. The Principal's Authorised Person is yet to formally assess the extension of time claim.