

Subject: Gisborne Wastewater Scheme Progress Report

Prepared by: Peter McConnell (Project Manager)

Meeting Date: 17 June 2010

Report to WASTEWATER MANAGEMENT Committee for noting

SUMMARY

This report updates construction progress on all contracts in the scheme and reports on compliance with resource consent conditions.

RECOMMENDATIONS

That the Committee

- 1. receives the report.**

Peter McConnell
Project Manager

Peter Higgs
Engineering and Works Manager

1. BACKGROUND

The main wastewater treatment plant and industrial separation contract is 19% complete. The western industrial separation contract is 35% complete. All other plant procurement contracts are running to schedule. Council is complying with the consent conditions regarding the WTAG group, AUD, WMC, IRP and the Turanganui Water Quality Enhancement Project.

2. DISCUSSION

2.1 Construction Contracts

- Banks Street Wastewater Treatment Plant - Please refer to the HEB construction report in Appendix A. Generally the contractor is on schedule, some items are behind and some ahead of schedule. At present all the concrete wall panels for the control building are erected. When the roof is installed, the electrical subcontractors will install the main electrical control cabinet. Work is proceeding simultaneously on the pre-treatment building, the outfall pump station and the biological trickling filter foundations and floor.

Extensive use is being made of local subcontractors for precast panel erection, internal structural steel fabrication and erection, fabrication and installation of steel pipework, fabrication and erection of light steel components and general machinery hire.

- Wastewater Conveyance – Work has commenced by the drainage subcontractor on the main conveyance pipelines with pipe laying commencing at the outfall pump station and proceeding up Banks Street. Council and contractor's staff have been liaising with businesses affected by the works in order to minimise any inconvenience to them. The subcontractor is very experienced at working in these congested sites and is committed to minimising the inconvenience to businesses and the general public. The two businesses that have been affected by the works to date, Bridgestone and Vehicle Testing NZ, have had a very co-operative and understanding attitude towards the works. A local subcontractor will be involved in laying all the minor pipelines serving the grape processing industries.
- Awapuni Industrial Separation – The pipe bridge across Waikanae Creek is partially complete with installation of the main carrier pipe remaining. We have made use of the contractor's temporary works around the pipe bridge to have Council's maintenance contractor perform maintenance work on the existing carrier pipe. Local subcontractors will be used to lay all the pipelines in this portion of the work and provide the control systems for the pump stations.
- Western Industrial Separation – Although the contractor started late on this contract good progress has been made. The contractor has liaised with all residents affected along the pipe route. The Dunstan and McDonald Roads portion of the contract is complete. The new pump station to be installed adjacent to Bernard Mathews has yet to be installed. Although this portion of the project is behind schedule, it will not impact on the total scheme schedule.
- Power Supply – The 11 kVA supply has been installed along Awapuni Road to Banks Street. The contractor is waiting for the conveyance pipelines along Banks Street to be completed so that they can proceed with the Banks Street section. The power supply cable has to be laid after the conveyance pipelines as the cable is laid in 300 m lengths

which requires 300 m of open trench. This could not be accommodated within the main pipe laying operation. In order to reduce the inconvenience to businesses in the area, the power supply contractor is laying ducts across the businesses access in conjunction with the conveyance pipe laying operation. This will enable all businesses to have access during the power supply installation. The transformers and switchgear for the 11 kVA power supply have been purchased and are in storage.

- BTF Media Supply – 90% of the media has now been delivered to site and 30% of that has been welded into bales which will be placed in the BTF when it is completed. Council has been assisted in this operation by Genetic Technologies Ltd who has leased Council a secure storage area for storing the media bales until the end of September when the BTF will be complete. A local subcontractor is operating the media welding operation for the supply contractor from Australia.
- Other Procurement – The contracts to supply the grit removal, screening equipment and the emergency generator are proceeding to plan. Part of the pump supply contract has been delivered.
- Contract Management – The main WWTP construction is being well managed by HEB Structures staff assisted by a Beca staff member. Formal meetings are held monthly between Council, designers and contractor to formally review progress and any variations and issues that arise.

2.2 Wastewater Technical Advisory Group

Please refer to May meeting minutes attached. The study work programme is progressing. Council staff meet with the WTAG chairperson weekly in order to maintain consistent progress on the study. The industrial enterococci sub-group is part way through the DNA based identification of the various industrial waste streams. The results from that work to date are interesting and a full report of that work should be available for the August WMC meeting.

2.3 Alternative Use and Disposal

There is no progress to report on this work.

2.4 Wastewater Management Committee

The committee has complied with the requirements of clause 16 of the consent to date. A report will be available for the August WMC meeting to assist the WMC in determining the direction of the Turanganui Water Quality Enhancement Project.

2.5 Independent Review Panel

Council has complied with all the requirements of the IRP to date.

2.6 Turanganui Water Quality Enhancement Project

No further progress has been made on this study although indirectly some work has been done via a report being prepared for the WTAG group.

3. APPENDICES

Appendix A – Banks Street WWTP construction progress report from HEB Structures.

Appendix B – Minutes of WTAG meeting and Study Strand work programme going forward.