

APPENDIX 1 - SCOPE OF WORKS

RFQ # Q-2122-CS-71 Trap Gully - Leachate Pumping System

Section 1 Scope of Works

1.1 Overview of Project Objectives

Part 1 - Provide a pumping solution to deliver landfill leachate from underground leachate wells (LT1 & LT2) into site storage tank "Tank 1".

Part 2 – Install pipework and fitting to connect leachate wells LT1 & LT2 to leachate storage "Tank 1".

Part 3 - Leachate Delivery – Provide a solution to deliver leachate between storage tanks (Tanks 1, 2 and 3) and deliver to B Double road tanker.

Part 4 – Commissioning – Commission, testing, and Warranty.

1.2 Specification of Works to be carried out

Supply, deliver and install leachate pumps, pipework, and fittings at Trap Gully Landfill. Please find attached site plan of Trap Gully Landfill leachate treatment system – Appendix 2.

The leachate storage tanks Tank 1 (48KL), Tank 2 (28KL) and Tank 3 (28KL) will be supplied and installed by Council.

Council will construct an earth bunded area with Aquacon Polyethylene liner 0.4mu with 100mm deep crushed gravel bedding to surround all tanks.

Part 1 - Install Pump(s) System

The leachate wells marked as LT1 and LT2 are assumed to be up to 10m deep, the pump(s) will need to be capable of draining the entire well. The pump(s) may be either submersible or mounted at ground level and will be manually operated to fill the storage tank (Tank 1) as required. The ground level at LT1 is approximately 1.3 to 1.5 metres below the ground level at Tank 1.

Supply and install leachate pumps in LT1 & LT2 with mounting systems if required.

Install an access point in the manhole lids for pumps and associated pipework. See photos of LT1 (Poly lid) and LT2 (Steel lid) shown in Appendix 3. Note: Pedestrian access only to LT2.

Due to potential explosive gas in the leachate well, opening procedure requires allowing 4 hours after opening for gases to disperse.

An extraction fan is also required to ensure dispersal of gas when using cutting equipment in the well.

Due to proximity to potentially explosive gases pumps should be solar or diesel and provided with static electricity protection, if required.

Part 2 - Install pipework and fittings

Connect leachate wells LT1 & LT2 from pump(s) by installing pipework and fittings connected to "Tank 1". The distance from the storage tank to LT1 is approximately 85m approx. and the distance from LT2 to the common line is 16m approx. See site plan.

Provide a float switch in Tank 1 to prevent overflow of leachate during pumping.

The delivery line running under the site road will need to be encased in a steel pipe. See note on site plan.

Allow for supply and installation of pump connection, pipework and fittings necessary for commissioning of leachate transfer from Leachate well to Storage tank T1.

Part 3 – Install and commission diesel pump - (council to supply) Yanmar details provided in Appendix 3.

- a) Connect diesel Yanmar pump (supplied) and install pipework and inlets to fill Tank 2 & Tank 3 directly from outlet of Tank 1.

Provide a float switch in Tank 2 & 3 to prevent overflow of leachate during pumping.

Interconnecting pipes between tanks to include flexible connection.

- b) Connect outlets of Tank 2 & Tank 3 to diesel pump and attach 10m delivery pipe (supplied) to be utilized for filling B Double road tanker (48KL) from Tank 2 & Tank 3.

Part 4 – Commissioning – Commission pumps, pipework and fittings and test operational procedures in conjunction with inspection by Council officers.

Provide written operating manual and enclose product warranties.

Provide written 3 months warranty on workmanship.

Quotations may be lodged for all or part of works.

1.3 Insurances

The successful respondent and any subcontractor(s) will be required to effect and maintain insurance policies in the following sums:

- (a) Public liability insurance in the sum of at least \$10,000,000 in respect of any one occurrence and for an unlimited number of claims
- (b) Workers compensation or personal accident insurance cover as required by law (whichever may apply)

1.4 Resources Supplied by Banana Shire Council

Banana Shire Council to provide advice and site access.

1.5 Defect Period/Warranty

Product manufacture warranty as stated.

Workmanship 3 months written warranty.

1.6 Delivery Dates or Delivery Period

Preferred completion by end of July 2022.

1.7 Delivery Address or Work Location

Trap Gully Landfill, 142 Forest Rd, Mount Murchison via Biloela.

1.8 Working Hours

Trap Gully Landfill is generally open 7.15am to 3.30pm Monday to Friday.

1.9 Environmental Requirements

The Contractor shall observe and comply with the provisions of local, state and federal legislation, codes of practice and guidelines that apply. It is the responsibility of the contractor to understand their obligations.

1.10 Reporting Requirements following acceptance

The Contractor must provide written reports for approval as follows.

- Any proposed changes to scope of works.
- Any proposed changes to initial quotation.
- Anticipated changes to start or completion date.
- Anticipated arrival on site or start and completion date.

Work on the project is to be suspended pending written approval of any changes.

1.11 Pre Lodgement Meeting

The opportunity will be available for contractors to ask questions relating to the RFQ and scope of works prior to lodging quotations.

All contractors are invited to attend a meeting at 10am on the 23 June 2022 at Council Officers in Valentines Road, Biloela.

Inspections of the site are subject to site Workplace Health and Safety restrictions and operational priorities, contact waste administration officer at 07 49929500. General observations of the site and existing structures can be made from Forestry Road adjacent to the site entry road.

1.12 Post Completion Support

Three months warranty on workmanship.

1.13 The Contractor must comply with the following BSC Policies in the completion of the works:

- Environmental Sustainability Policy;
- Code of Conduct;
- Drug and Alcohol Policy;
- Procurement Policy; and
- Work Health and Safety Policy.
- Complete copies of these policies are available to the public on the BSC website at the following address: <https://www.banana.qld.gov.au>

1.14 Standards

The Contractor must comply with the following standards in the completion of the works: *Workplace Health and Safety Regulations 2011* (Qld)

- This scope of works
- Council Policies (specific to the job)

Section 2 Work Health & Safety Requirements

2.1 BSC Inductions

The Contractor/Service Provider employees (and sub-contractors personnel if applicable) are required to:

- Complete all nominated training and inductions directed by BSC prior to mobilisation to site; and
- Maintain current and accurate information relating to licences, tickets and qualifications.

Section 3 Acceptance and Commencement

3.1 Following Acceptance of Quotation

Provide WHS details to Council required under Section 2 of this Scope of Works and undertake online training course.

3.2 Prior to Commencement

Provide Council with 2 days notice of intention to commence works by email to waste.admin@banana.qld.gov.au.