

**Answers to Questions:**

Q1. 01 11 00 **SUMMARY OF WORK, Part 1 – General:**

**1.1 TITLE AND DESCRIPTION OF WORK**

.3 Description of Work

.4 Main system components are to be rented for the duration of the project, specifically the water treatment system, pumps, lines, fittings, tanks, electrical generators and air compressors.

Does the rental equipment in the above description include the extraction well pumps?

If so, there are no line items to account for the rental costs of the extraction pumps in the 'Break Period' and the 'Second Trial' (if necessary).

Could you please confirm if the extraction pumps are rental equipment or for purchase?

A1. The pumps are to be rented

Q2. For disposal of spent media and untreated water / sludge, confirm requirement of treatment is incinerated?

*1.14.1 Contaminated Waste Removal*

*1.14.3.4 Treatment includes bioremediation, thermal desorption, and incineration. Treatment does not include blending, mixing, or dilution.*

*According to appendix A, waste carbon will be destroyed via incineration.*

A2. Appendix A is provided as background information regarding the Field Trials. The specification Document takes precedence where there is conflict with appendix A. Disposal of contaminated materials must conform to the specification document.

Q3. Can the 25,000 poly liquid storage tanks be substituted with steel tanks?

A3. Steel tanks may be used in lieu of poly tanks. Note the specification requirement: "Tank clean and free from material that could increase contaminant concentrations in processed water or stored treated water or waste water."

Q4. Can the number of storage tanks change as long as 125,000 litre total storage remains?

A4. Number of tanks. Four of the Five Water Storage tanks shown on the right hand side of Drawing 702439-7 may be combined. The most right hand tank may not be combined with others since it is used to capture easily settleable sediments coming from the pump supply header. The size of this first tank, used for settling, may be larger than that specified, however, the operating volume stored in that tank will be restricted to between 20,000 L and 25,000 L. Tank infrastructure (valves, connections, level controls, etc) must therefore be configured to conform to this volume restriction and the specifications.

Q5. In the document titled 'spec\_package\_final\_march\_2018\_002' - *Section 1.1.3 Description of Work*, it notes the field trials are "...described in Appendix A (the SOW for Consultant Services, dated July 2015). Can you clarify the requirements and/or deliverables for the current field trials (i.e., any requirements for sampling, analysis, monitoring, reporting, etc.)?

A5. Appendix A is provided as background information regarding the Field Trials. Appendix A does not divide tasks between the contractor and the Departmental Representative. The contractor is not responsible for conducting system water sampling during the conduct of the Field Trials described in appendix A.

Q6. Should costs for winterizing the system and operating in freezing conditions be included in Phase 2, the optional trial?

A6. Winterization is not a requirement of this work.

Q7. The item that I was inquiring about was the specification for the upgrade of the ATV trail to a gravel road.

Within the bid document Summary of Work section 01 1 00 1.2.4.1

“Development of main access road from sand ATV trail to a gravel road capable of supporting the contractor’s mobile equipment”

There is no specification associated with this upgrade development and no current specification.

Is there a specification or drawing that should be associated with this?

A7. Correct, there is no specific spec for this item. The ATV trail is being upgraded for the purpose of the construction phase of the Field Trials only. Once the project is over, the ATV trail will return to being an ATV trail only. The contractor is required to improve the trail to suit their construction needs, keeping in mind that any delays caused by inadequate road improvements will be the sole responsibility of the contractor.