

Q156. There appears to be redundant requests for stand-alone plans and other comprehensive plans throughout the contract specifications that contain similar subject matter. For example, Section 01 35 43 states that the contractor shall submit a detailed Contractor Environmental Protection Plan (CEPP) which must include eighteen (18) distinct headings (e.g., Traffic Management; Emergency and Contingency Procedures; Dust Prevention and Management Plan; etc.), then other sections call for stand-alone plans (e.g., Construction Traffic Management Plan (CTMP) per Section 01 35 00 ; Dust Management Plan per Section 01 35 43; Dust Management, Sediment and Erosion Control Plan) that would already be covered under the CEPP. There is also redundancy in several plans required to be developed by the Contractor such as the Dewatering Plan and Water Management Plan. Appendix T provided does not include all of the submittals required in the tender (e.g., it is missing the Contractor's Radioactive Material Transportation Plan required under Appendix D). Kindly provide an inclusive list of all plans required by the Contractor to prepare under this contract?

A156. Traffic management under the CEPP deals with specific traffic management issues as they relate to Environmental Protection. There is no redundancy with the overarching Construction Traffic Management Plan (CTMP) identified under 01 35 00.

References to Dust Management Plan and Sediment and Erosion Control Plan elsewhere in specification section 01 35 43 refer to the relevant and pertinent sections under the CEPP. Again there is no redundancy.

The title of Appendix T is "Non-exhaustive list of submittals" and is not meant to represent a complete list of the required submittals for the project. Per specification section 01 33 00 The Contractor is required to submit to the Departmental Representative for review submittals identified in the contract documents. Submittals are to be issued promptly and in an orderly sequence as to not cause delay in Work. The Contractor will prepare, update and maintain a submittal schedule/registrar which will include:

- .1 A complete listing of all required project submittals.
- .2 Submittal ID.
- .3 Corresponding Specification Section reference.
- .4 Submittal due date and timeline.
- .5 Date of first issue.
- .6 Associated revision dates and a summary of the modifications made.
- .7 Current status.

Q157. Who pays for all QA sampling and testing?

A157. Cost for QA sampling and testing is by the Owner

Q158. What is the duration to be anticipated for the worker training covered in the PHAI Training Plan? Please confirm AECL and/or PHAI MO is responsible for providing this training at no cost to the Contractor?

A158. See earlier Q 66 and Q117: Response provided A5 Q42 - Training to be provided by the successful proponent in compliance with Section 01 35 30 Article 1.5.1.3 and Article 1.5.2.2.

Q159. Does the plan outlined in Appendix R-3 still meet the present protocols for verification sampling, environmental controls and radiation protection?

A159. The document included in Appendix R-3 is a pre design document provided for information purposes only. The specifications and drawings take precedence.

Q160. 02 61 00 Section 3.5.7 says that the excavations "shall be initially excavated to the depth and extent shown on the Contract Drawings". Where can these depths of excavations found?

A160. Drawing PGWMF-X-38 provides the preliminary base of excavation contours for all areas excluding Regions 1, 4, 7B and the offsite remediation areas. Limits and extents of the remedial areas not shown are to be based on direction provided the field by the Departmental Representative.

Q161. As a follow-up to the answers to questions #25, #26 and #34, factors affecting production/costs include terrain of excavation areas, depth of excavations, quantity of clean topsoil/overburden removals and handling, groundwater flows, quantity of waste materials, type of waste materials being excavated (soils, saturated soils, construction/industrial debris, drums, "toothpaste" like materials, "peanut butter" like materials, chemical contamination constituents, radiological contamination level, etc.). The CAD files are required beyond verifications of Bid Quantities. It is important for the Contractor to have all of the existing available data in order to perform a thorough evaluation of the conditions, re-evaluating phased approach and associated volumes (per Question 34), and to provide the best value proposal for the execution of the work, Please provide the CAD files.

A161. See earlier Q38 and Q40: Response provided A5 Q25 and 26 - The AutoCAD files will not be released.

Q162. Electrical installation of duct banks encased in concrete is not present. The following specifications is missing:

- Division 26 – Electrical
- Underground Ducts and Raceways for Electrical Systems

A162. Information and details related to the installation of underground duct banks in concrete encasement is in reference to OPSD 2100.06 as per detail drawing LTWMF-E-81. The Contractor shall comply with the relevant requirements of Contract Documents and to provide appropriate means and methods for installation of underground duct banks in concrete encasement. Associated costs to be

included in the lot price for specification 26 05 43.01 "installation of cables in trenches and in ducts" which will be modified accordingly for the next addendum issue.

Q163. The shoring design defined within the drawings for the east and west gorge has been shown, but requires design to be submitted by contractor for approval. The shoring design although not shown in detail must meet the following specification:

- Division 31 – Earthwork
- Shoring and Underpinning requirements

A163. The shoring design must be sufficient to undertake the work to be performed including but not limited to excavation to required depths as dictated by verification sampling activities, allowing for access and egress of excavations, collecting excavation floor and sidewall samples as required etc. The design shall comply with the contract documents (Specifically Specification Sections 02 61 00, 31 22 13 , 31 24 14 and the contract drawings) as well as all municipal, federal and provincial regulations as required.

Q164. The wells required to be put on site for underpass dewatering and construction water are missing from the following specification:

- Division 33 – Utilities
- Wells

A164. The Contractor is to develop a dewatering plan. The dewatering plan is to include the well layout and design. The cost for this work is to be covered under Specification Section 31 23 19 Article 1.2.1.

Q165. Please identify the correct bid item that will cover the required backfill for the 150,000 tonnes of additional waste excavation (Div. 02; Item 3b)?

A165. Additional backfill and regrading (should it be required) for backfilling remedial excavations will be based on the unit price payment items outlined in Specification Section 31 22 13 Articles 1.2.5 and 1.2.6. i.e. Bid and acceptance form Division 31 - Earthwork items 3e: Backfill, compaction and grading at PGWMF with approved fill from the PGWMF (in-place) and 3f: Backfill, compaction and grading at PGWMF and offsite remediation areas with approved fill from the LTWMF (in-place).

Q166. DWG LTWMF-E20 Single Line Diagram – Please provide all sizes and types of cables required between the existing switchboard in the WWTP and the temporary power locations for PGWMF and LTWMF. How will the temporary cables be installed? Please provide a layout to route all these cables.

A166. Please refer to single line diagrams. Temporary power is required for temporary installations i.e. trailers, facilities etc. and is to be furnished and installed by the Contractor subject to the review and approval by the Departmental Representative.

Q167. DWG LTWMF-E-10 – Note 4 indicates temporary power supply for wheel wash, security kiosk and contractor compound trailer. Where is the location of the PGWMF contractor compound trailers? Are they located in the “SITE SERVICES AREA” or the “PARKING” area? How many trailers here require temporary power?

A167. Refer to specification section 01 52 00 for the required construction facilities. Trailers are not to be located in the offsite parking area. Per specification section 01 52 00 Article1.4.2 the Contractor is to develop a site plan showing the location of all construction facilities. The Contractor is required to supply temporary power to all facilities as required.

Q168. DWG PGWMF-E-10 – Note 6 – What is the temporary power requirements for the scales, scale house and portal monitor? Additional breakers required in temporary panel? Not shown on DWG LTWMF-E-20. Please clarify.

A168. This information was provided as part of Addendum 4. Refer to revised drawings PGWMF-E-80 & WWTP-DI-35B.

Q169. DWG LTWMF-E-20 Single Line Diagram – Is the contractor compound 1 and 2 trailers both in the “CONTRACTOR TRAILER COMPLEX” area on LTWMF-E-10? How many trailers here require temporary power?

A169. Refer to specification section 01 52 00 for the required construction facilities. Per specification section 01 52 00 Article1.4.2 the Contractor is to develop a site plan showing the location of all construction facilities subject to review and approval by the Departmental Representative. The Contractor is required to supply temporary power to all facilities as required.

Q170. DWG PGWMF-E-21 Note 2 – What are the power requirements for the four new pumps after construction phase? Provide additional breakers to panel as well? Please clarify

A170. Refer to notes on drawing PS-D-03.