



Response to Queries/Clarifications
from Design Engineer
to the Sydney Tar Ponds Agency

Tender # STPA2008S-22
Tender Title: Flow Diversion – TP6A
Date: 04 December 2008
To: Jerome MacNeil, Contract Manager
From: S. Kelly

Query/Clarification: Questions submitted to the STPA [REDACTED]
[REDACTED]

In reviewing the bid documentation, we have several questions and request clarification on the referenced Tender as detailed below:

1) Is the Wash Brook shaded area on the drawing page P 301 the pump staging area?
Can we use more area if necessary? Same for Coke Oven?
Response: Shaded area is the area available for siting the pumps without hindering access. The contractor may use more area if it can be found without affecting access roads and existing conditions.

2) Are we inside the fence line of the property? For the pipe run also?
Response: No, not with pipes.

3) During construction of the Wash Brook inlet structure, the maintenance pumps described will bypass the creek during dry weather only? Also, where will the pumps be placed and discharged to? Same for Coke Oven?
Response: In this performance based contract, it is up to the contractor to propose a pump/piping configuration and discharge locations in accordance with the design requirements.

4) Do the lines for the pumps need to go through the walls of the suction/discharge structures at Ferry Street and the Narrows regardless of suction/discharge use? Will the contractor be able to use several lines (13 to 16 lines)? If not, what are we limited to?
Response: Suction/discharge piping must perform as specified without compromising access. It is up to the contractor to propose a pump/piping configuration including number of pumps required and where they will be located.

5) Please explain the variances in flows between the different phases.
Response: Flows for the different phases are based on different catchment areas and have different hydrologic inputs.

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6) Can the I-beam at Wash Brook be used as a bridge for supporting bypass pipe, wires, etc.?

Response: Wash Brook structural drawings S-301 and S-302 do not show an I-beam and as such the question is not clear. In any case, the Contractor should provide his own supports for bypass pipes, wires etc.

7) Please explain specification 11 01 60, 2.2.1.5 & 6

a. Where pumping from and to?

b. Total flow?

Response: Sections 2.2.1.5 nor 2.2.1.6 do not exist. If the question relates to Sections 2.2.1.1.5 and 2.2.1.1.6, the specification is not ambiguous. Pumping from and to and design flows are clearly stated.

8) How will you require proof of the hydraulic efficiency of the wet weather pumps, and the pump duty point on the curve?

Response: STPA will require certified factory pump test results (curves).

9) If the hydraulic efficiency is less than the 75% specified, will the bid still be considered?

Response: Yes. The performance specification is based upon industry standard of 80% efficiency that was reduced to 75% so as not to be exclusionary.

10) How should the fuel cost/usage for wet weather pumps be estimated for the life of the project? How should maintenance cost for wet weather pumps be estimated for the life of the project? Under what specific line item should these variable costs be accounted on?

Response: See Addendum 2 for fuel cost. Maintenance costs are included under Measurement and Payment Specification Section 01 22 00 Paragraph 17 Operating Bypass Pumping in Three Phases.

11) Do the dry weather pumps need to go inside the pump suction pit?

Response: The pumps themselves do not need to be in the pit unless they are submersibles. Otherwise, their suction lines do need to be in the chamber.

12) The diversion dated as starting on 10 September 2010 and 2 February 2012 for maintenance flows or is that time allowed for setup of the following diversions?

Response: See Addendum 2, Unit Price Bid Form Page 7.

13) The check valves described in section 22 11 19 is for what purpose? Are they required to be used on the diversion piping?

Response: The section provides requirements for check valves if such valves form part of the proponents design for the diversion piping.

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14) Clarify "Maximum working pressure" of pipe for purpose of hydrostatic pressure testing.

Response: Maximum working pressure is the maximum pressure expected during normal operation and may be taken to be the shutoff head of the pump being served by the pipe.

15) Will sewer bypass pumping be required for relocating the sewer line at Ferry Street? What bid package is it under?

Response: It is anticipated that temporary sewer bypass pumping will be required as an interim measure when the connections are to be made with the sewer manholes. It is anticipated the connections can be coordinated such that temporary construction pumping will not be longer than the time taken by the contractor to connect the pipes to the manholes.

16) Further clarification and details are necessary for the dewatering requirements. RE 31 23 189.


Response: Assume Specification is 31 23 19 Dewatering. Treatment of construction water as described in Addendum 2 provides clarification.

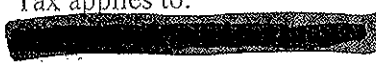
17) Will fish protection screens be installed in each cell of the suction structures? Will the diversion pumps be able to pull from each cell? We anticipate that the screens will interfere with the diversion pumps, what accommodations will be made?

Response: Screens are required to meet environmental protection requirements.

18) Section 00 21 13, page 5, 1.11 Construction Contract Guidelines. Where can we obtain a copy of the policies of the Nova Scotia Construction Contract Guidelines?

Response: A copy is provided as an attachment to this letter. Additional copies can be obtained by using the key words Nova Scotia Construction Contract Guidelines in a Google search.


19) Section 00 21 13, page 12, 1.22 Taxes. Please clarify what the Harmonized Sales Tax applies to.


20) Appendix A, page 1. Is this just an example or does our company need to fit into one of these trade categories? If none of the outlined trades pertain to us, can we add a "Bypass Pumping" trade?

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Response: Assume this refers to Unit Price Bid Form Specification 00 41 43
Appendix A Major Trade Contractors. This is not an example. [REDACTED]

[REDACTED]

21) Section 00 77 00 Page 3 GC 20 Wrap Insurance – Does this cover the Sub-
Contractors, and is there a fee associated with it?

[REDACTED]

22) Section 00 72 43 Page 10, GC 20 – Is it required of Sub-Contractors to provide a
certified copy of the insurance for other than those coverages under the WRAP policy?
Is insurance acceptable if a carrier is not an admitted licensed carrier in Canada?
Response: Section 00 72 43 GC 20 has been replaced in its entirety by Section 00 73
00 GC20 Insurance. Note that this is not a complete description of the actual
insurance policy. Contact STPA for the actual policy wording.

[REDACTED]

Does this query/clarification warrant an Addenda? _____ Yes _____ No.

If "Yes", please generate an Addendum Notification using STPA Form F 60800 and put
your response on that form.

If "No", state reasons why.

Signature: [Signature] Date: 04 Dec 2008

Attachment: Nova Scotia Construction Contract Guidelines