

**Environmental Soil Remediation and Fuel Storage Tank System Upgrades
Experimental Lakes Area
Project No. R.059427.001**

ADDENDUM NO. 1

Date: September 10, 2013

SECTION 1 GENERAL INFORMATION

This document is issued as Amendment No. 1 for PWGSC Project No. R.059427.001

SECTION 2 SPECIFICATIONS

.1 Section 01 11 06 – General Instructions

Clause 1.8: Contractors As-Built Drawings, Specifications

and

Section 33 56 13 – Aboveground Fuel Storage Tanks

Clause 1.5: Submittals

Add: .6 Upon Installation and before the first transfer of any product to the gasoline tank system and the new day tank system, prepare as-built drawings bearing the stamp of a P.Eng that show:

- .1 The outline of all tanks.
- .2 The centreline of all piping.
- .3 The centreline of all underground electrical power and monitor sensor conduits.
- .4 The building foundation outlines.
- .5 The property lines.
- .6 The secondary containment systems.

.2 Section 01 11 06 – General Instructions

Clause 1.21: Work Sequence

Add: .5 Should the replacement of the diesel day tank result in the interruption of operation of the electrical power generator for a period of longer than 5 hours, provide a means to supply fuel to operate the electrical power generator, to the approval of the Departmental Representative.

.3 Section 01 11 06 – General Instructions

Clause 1.23: Contractors Use of Premises

Delete .4 Contractor to arrange for own accommodations, either off-site or additional temporary accommodations on-site. Location of on-site temporary accommodations to the approval of Departmental Representative. Use will not be made of existing on-site accommodations.

Add: .4 Contractor may use on-site accommodations, including cooking facilities, which will be made available in the "Staff House" or the "Beach House". Accommodations are available for up to 12 people. Contractor to provide own linens and toiletries. Contractor must leave accommodations in a clean and tidy manner, to the approval of the Departmental Representative.

.4 Section 02 65 01 – Aboveground Storage Tank Removal

Clause 3.3.4:

Delete: "Affix a label to the systems fill pipe stating that the storage tank system is temporarily out of service."

Add: "During temporary removal from service of the existing gasoline AST, affix a label to the systems fill pipe stating that the storage tank system is temporarily out of service. Following permanent removal of the existing diesel fuel day tank, affix a label to the systems fill pipe stating that the storage tank system is temporarily out of service".

SECTION 3 QUESTIONS

Question 01:

Will there be any fuel (gasoline) deliveries to the temporary gasoline tank during the contracting period?

Response 01:

No.

Question 02:

Will any of the existing concrete foundations located in the waste oil containment area be replaced with new during re-construction?

Response 02:

The intention is to re-use all existing concrete foundations during re-construction.

Question 03:

Is the contractor to re-use or replace the existing bollards at the perimeter of the waste oil containment area?

Response 03:

The excavation area is not expected to extend to the location of the bollards. The existing bollards at the perimeter of the waste oil containment are to remain in-place, unless otherwise instructed by the Departmental Representative.

Question 04:

Have the impaired soils requiring off-site disposal been characterized for their disposal, per Regulation 347 of the Ontario EPA?

Response 04:

Clause 1.6.3 of Section 02 61 00 states "Petroleum, Lead and Zinc-impaired soils requiring off-site disposal have all been determined by Departmental Representative to be not leachate-toxic, and therefore are characterized as solid non-hazardous waste, for disposal purposes, as defined in Regulation 347 (as amended by Regulation 558) of the Ontario Environmental Protection Act. Copies of certified Toxicity Characterization Leaching Procedure analytical results are available from the Departmental Representative to arrange for waste receiving facility approval."

Question 05:

Is there a specific location that the fuel supply emergency shut-off switch should be located?

Response 05:

The fuel supply emergency shut-off switch is to be located immediately outdoors of the day tank, at the northwest corner of the Generator Building.

Question 06:

Are on-site accommodations available to the contractor?

Response 06:

As noted in Section 2 of this amendment above, the Contractor may use on-site accommodations, including cooking facilities, which will be made available in the "Staff House" or the "Beach House". Accommodations are available for up to 12 people. Contractor to provide own linens and toiletries. Contractor must leave accommodations in a clean and tidy manner, to the approval of the Departmental Representative.

Question 07:

Can any of the fill materials required for restoration be obtained from on-site sources?

Response 07:

No, all fill materials must be imported from off-site sources.

Question 08:

Is there a preferred location for the Decontamination Area?

Response 08:

The Decontamination Area shall be located in the "Gravel Compound" to the west of the 'Garage'.

Question 09:

What will be the condition of Pine Road at the time of contractor mobilization? Is the contractor responsible for damage to the road caused by heavy equipment/truck traffic.

Response 09:

Bidders are to assume that Pine Road will be maintained to an acceptable standard to allow for the passing of heavy equipment. The Contractor will be responsible for any and all damage caused by the passing of its heavy equipment, including but not necessarily limited to damage to the road bed or to road-related infrastructure, including culverts, etc.

Question 10:

Should any of the existing concrete foundations break during removal/re-location, is the contractor responsible for their replacement?

Response 10:

Yes, should any of the existing concrete foundations break during removal/re-location, the contractor will be responsible for their replacement.

Question 11:

There are two (2) somewhat redundant concrete foundations at the waste oil containment area, one which is not used by the gasoline AST and one which a water pump is currently located on. Is the contractor to re-install these concrete foundations as well?

Response 11:

No, the Contractor will not be required to re-install any concrete foundations not currently used by the existing structures.

Question 12:

I see in the tender document that it asks for 150 meter squared of liner. Considering the small footprint of the contamination, should this be for 150 feet squared?

Response 12:

The contract specifications are correct. It is anticipated that the contract will include the installation of approximately 150 square meters of geomembrane. However, the Contractor will be paid for the actual area of geomembrane installed.

Question 13:

The foundation at the back of the fuel storage area is stacked (concrete block, steel angle iron) to level out the storage platform. Should this be re-installed or should a proper foundation be built to replace it?

Response 13:

For the purposes of re-construction, Contractors have been instructed to re-construct the structures to match existing conditions. Use can be made of existing materials to properly support the structures.

Question 14:

By re-installing the foundations of the fuel storage area, it is unlikely that the foundations will be level, due to settling.

Response 14:

If placed and compacted to specification, sub-grade fill materials should provide a suitable base to prevent settling of the concrete foundations.

SECTION 4 DRAWINGS

- .1 The following reference drawing for the existing utilities are attached:
- Drawing 5: Underground Utilities.

This drawing illustrating underground utilities is for informational purposes only. Contractor is responsible to identify the exact locations of underground utilities prior to excavation, and is responsible for any damage to such underground utilities as a result of excavation activities.

END OF ADDENDUM NO. 1