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**Parks Canada Agency
National Contracting Service
Bid Receiving Unit
111 Water St. East
Cornwall ON K6H 6S3**

Q AND A'S NO 1

Tender To: Parks Canada Agency

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Soumission aux: l'Agence Parcs Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du Chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

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**Parks Canada Agency
111 Water St. East
Cornwall ON K6H 6S3**

Title-Sujet Broad Cove Campground Waste Water System Upgrade – Ingonish NS		Date October 6, 2015
Solicitation No. - No. de l'invitation 5P300-15-5325		Client Ref. No. – No. de réf du client.
GETS Reference No. – No de reference de SEAG		
Solicitation Closes L'invitation prend fin – at – à 02:00 PM on – le October 14, 2015		Time Zone Fuseau horaire - Eastern Daylight Time (EDT)
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>		
Address Inquiries to: - Adresser toute demande de renseignements à : Céline Morin (celine.morin@pc.gc.ca)		
Telephone No. - No de téléphone 613-938-5940		Fax No. – No de FAX:
Destination of Goods, Services, and Construction: Destinations des biens, services et construction: See Herein		
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur : Telephone No. - No de téléphone: _____ Facsimile No. - N° de télécopieur: _____ E-mail – Courriel : _____		
Name and title of person authorized to sign on behalf of the Vendor/Firm Nom et titre de la personne autorisée a signer au nom du fournisseur/ de l'entrepreneur		
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_____ Signature		_____ Date

QUESTIONS AND ANSWERS NO. 1

5p300-15-5325

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1. Section 44 42 11 & Section 33 36 16

Item 2.10.2

In Section 44 42 11, a peak flow of 114 LPM is specified for the UV disinfection unit. In Section 33 36 16, the effluent pumps are specified to deliver 82 LPM.

Can you please clarify the difference in flows?

Answer :

The flows as stated are correct for the individual components. The UV was selected to have a higher capacity to deal with high flow events where more than one pump may be on for a short period of time.

2. Section 44 42 11 & Drawing C01

Item 1.4.1 Design Parameters

From the drawing it appears that all flow to the proposed WWTF comes from the dump tank. Can you please clarify whether the campground also has serviced sites and a collection system that drains to the dumping station or directly to the proposed WWTF site? This may potentially require an additional inlet(s) on the primary tank.

Answer :

The system receives flow from the campground as well as the dump tank all through the same pipe connection

3. Section 44 42 11 & Drawing C01

Item 1.4.1 Design Parameters

The specification indicates a peak flow of 42,000 LPD and peak wet weather flows of 84,000 LPD. During peak weather events, the textile media from the four pods is expected to be both hydraulically and organically temporarily overloaded as contents of the anoxic tank get forced into the recirculation tank (at 84,000 lpd and 300 mg/l BOD and high TSS levels).

Could you please clarify the expected frequency of wet weather events of this nature?

Answer :

This would only happen during a large rain event when the campground was 100% full so very infrequent.

4. Section 44 42 11

Item 1.4.3, 1.4.4 Design Parameters

RV users often utilize wastewater holding tank additives for odor control and to assist with liquefying sewage and flushing of their holding tank. These chemical additives can be toxic and

detrimental to on-site wastewater treatment plants and as such their loading to the treatment facility must sometimes be controlled where it is excessive.

1. Can you please confirm the expected daily flows and concentrations from the RV dump tank?
2. Will the dump tank flows be controlled in any manner or will they dump to the system on demand?
3. Can you also confirm whether covenants and/or controls will be put in place that exist that inhibit the use of RV tank additives once RV's are connected to the three-way hook-ups?

Answer:

No information is available for on the expected flows from the RV dump station but it has been reported that 3 or 4 might dump on a given day.

There is no flow control on the dump station at this time

This is a Park Canada site and they promote environmentally friendly additives but this is not easily enforced

5. Section 44 42 11

Item 3.5.1 Inspection, Testing and Start-Up

Installation and testing is expected to be completed prior to January 31, 2016. It is understood that subsequent WWTF start-up is anticipated for early spring 2016.

Can you please clarify:

- a) what type (e.g. grab, composite), number and duration of sampling is required?
- b) what parameters are required to be measured?
- c) what testing results are required to pass?

Answer :

The campground will not have a significant amount of use until June. The intent will be to commission the system in early spring prior to the campground opening (early May). This commissioning will be to make sure it is mechanically working as intended and ready for operation. A couple of samples will be collected in June and analysed for BOD, TSS, and fecal. We will be looking for BOD and TSS of less than 20 mg/L and fecal less than 200 per 100 mL.

6. Section 44 42 11

Item 2.2 Access Risers With Access Lids

Please clarify the diameters of the required riser pipes.

Answer :

30" risers for all tank openings with pumps or filters, all other risers to be 24".

7. Section 44 42 11

Item 2.10, Drawing P01 – UV Disinfection System

The drawing states: “100 mm diameter flanged connection”

Trojan’s standard flange bolt hole pattern for the Model 3050K PTP (required for the peak flow of 114 L/min with a min UVT of 50% to achieve specified disinfection limit of 200FC/100mL) is 150mm inlet and outlet.

Is it possible to change the flange diameters to Trojan’s standard 150mm?

Answer :

This is OK as long as a reducing connection is provided.

ALL OTHER TERMS AND CONDITIONS OF THE ITT REMAIN UNCHANGED