

Emergency Non-Competitive Contract with 1623052 Ontario Ltd. o/a CB Sales Canada for Purafil Scrubber Media Removal and Replacement of Chlorine Gas Scrubber at Island Water Treatment Plant

Date: November 21, 2023

To: General Government Committee

From: General Manager, Toronto Water and Chief Procurement Officer

Wards: All

SUMMARY

The purpose of this report is to advise Toronto City Council, pursuant to Chapter 195 of the Toronto Municipal Code, Purchasing By-Law, Section 195-7.4(B), of a non-competitive contract with 1623052 Ontario Ltd. o/a CB Sales Canada, exceeding \$500,000.

Purchase orders issued under Non-Competitive Number 9384 include Purchase Order 6047793 in the amount of \$181,670 net of all taxes and charges (\$184,867 net of Harmonized Sales Tax recoveries) awarded in 2018, and Divisional Purchase Order Number 3627960 for \$50,000 net of all taxes and charges (\$50,880 net of Harmonized Sales Tax recoveries) on July 31, 2023.

The issuance of this emergency non-competitive purchase order (Purchase Order 6054521, issued May 16, 2023) for a total value of \$325,000 net of applicable taxes and charges (\$330,720 net of Harmonized Sales Tax recoveries) was required to replace the scrubber media at the Island Water Treatment Plant. The work was deemed an emergency by the General Manager, Toronto Water under Chapter 195-7.1(G) of the Municipal Code.

RECOMMENDATIONS

The General Manager, Toronto Water and the Chief Procurement Officer recommend that:

1. City Council receive this report for information.

FINANCIAL IMPACT

The total emergency non-competitive contract, Purchase Order Number 6054521, was issued for a total value of \$325,000 net of all applicable taxes and charges (\$330,720 net of Harmonized Sales Tax Recoveries) under the emergency provision of the Purchasing By-law.

Funding is available in Toronto Water's Approved 2023 Operating Budget and Approved 2023-2032 Capital Budget & Plan. Funding details are provided in Table 1 below:

Table 1: Financial Impact Summary

WBS Element/ Cost Centre	Description	Total Net of Harmonized Sales Tax Recoveries
CPW064-01	Facility & Process Upgrades	\$111,936
TW7065 / GL 4403	Water Treatment & Supply- Island TP - Service	\$218,784
Totals		\$330,720

The Chief Financial Officer and Treasurer has reviewed this report and agrees with the financial impact information.

DECISION HISTORY

This item has not previously been considered by City Council.

COMMENTS

The Island Water Treatment Plant produces approximately 110 billion litres of drinking water annually and serves approximately 1.6 million people. The plant's gas scrubber, an emergency device that prevents chlorine gas from being released in the event of a system failure, is required by both the Province's Environmental Protection Act and the plant's Drinking Water Works Permit (DWWP).

The scrubber is manufactured by Purafil and requires Purafil media to clean chlorine gas prior to venting. This media is a proprietary product that can only be purchased through 1623052 Ontario Ltd. o/a CB Sales Canada ("Vendor") as stated in the letter attached (Attachment A - Vendor Letter).

Regular testing in late 2022, indicated a sudden degradation of the media's capacity to clean chlorine gas. This was further confirmed by testing done by the Vendor in January 2023 (Attachment B - Scrubber Media Analysis Results).

Due to this unforeseen degradation, Toronto Water authorized the emergency replacement of the scrubber media to ensure proper operation of the emergency gas scrubber, and to comply with regulatory requirements and protect the environment and the safety of the residents of the City.

Several quotes were obtained from the Vendor prior to the negotiated price of \$325,000 net of all taxes and charges. This price was deemed fair and reasonable based on Toronto Water's experience.

The Fair Wage Office has reported that the Vendor has indicated that it has reviewed and understands the Fair Wage Policy and Labour Trades requirements and has agreed to comply fully.

CONTACT

William Fernandes, P. Eng., Director, Water Treatment and Supply, Toronto Water, Telephone: 416-392-8220, Email: William.Fernandes@toronto.ca

Marie Reid, Manager, Purchasing Client Services, Infrastructure and Development Services, Purchasing and Material Management, Telephone: 416- 397-5187, Email: Marie.Reid@toronto.ca

SIGNATURE

Lou Di Gironimo
General Manager, Toronto Water

Geneviève Sharkey
Chief Procurement Officer

ATTACHMENTS

Attachment A - Vendor Letter
Attachment B - Scrubber Media Analysis Results

Attachment A - Vendor Letter



83 Wanless Avenue, Toronto, ON M4N 1V8

PH: 416-490-7791 FAX: 416-490-7938 EMAIL: gmcveigh@cbsalescanada.com

March 4, 2023

Jackie Siu

Toronto Island WTP
446 Lakeshore Ave
Toronto, Ontario M2J 1X9

Dear Jackie Siu:

CB Sales, represented by Graeme McVeigh and located and serving the greater Toronto, Canada market, is Purafil Inc.'s sole and exclusive authorized representative for aftermarket chemical filtration media (including Chlorosorb Ultra Media), equipment, and environmental monitoring products. They exclusively cover the greater Toronto area in Canada as our Representative.

CB Sales is the ONLY company in the specified area which is authorized and technically supported by Purafil, Inc. to market, distribute, service and support Purafil, Inc.'s current and future aftermarket installations. This includes replacement parts and service.

Purafil, Inc.'s technology comes with a number of no-charge added value services, needed to be performed for proper system installation and performance. It is essential that only Purafil media be used in replacement situations where the media is spent or has been damaged. CB Sales is the only authorized and factory trained Purafil service provider for Purafil, Inc. technologies.

Also, as per Purafil, Inc.'s operating principles - one of the many things that the end user gets is free access to Purafil, Inc.'s scientists and technical support team. This is crucial to an end user, as gaseous contaminants are known to change over time. This in turn would require Purafil to get involved and recommend a more unique or tailored chemical media for the removal of these newly introduced contaminants. If the original product is not a Purafil, Inc. supported product, this service like many others will not be extended.

This letter of exclusivity should clear any questions the end user may have regarding the supply and service of Purafil products. Thank you.

Sincerely yours,

A handwritten signature in black ink, appearing to read "G. McVeigh", is written over a light blue horizontal line.

Graeme McVeigh
CB Sales Canada



Attachment B - Scrubber Media Analysis Results

Island WTP - Scrubber Media Analysis (Purafill Inc. Lab) - Summary

Media In-Service: February 1, 2018

		Sample Location in Bed	Effectiveness & Life Remaining					
			Bed 1		Bed 2		Bed 3	
Date of Sample	Date of Analysis		Effectiveness (%)	Lab Comment	Effectiveness (%)	Lab Comment	Effectiveness (%)	Lab Comment
Date of Sample	March 11, 2022	top	92%	NC				
Date of Analysis	March 29, 2022	top			84%	NC		
		bottom					96%	NC
Date of Sample	March 11, 2022	middle	100%	>12 mo				
Date of Analysis	March 29, 2022	middle			84%	>12 mo		
		middle					92%	>12 mo
Date of Sample	March 11, 2022	bottom	92%	>12 mo				
Date of Analysis	March 29, 2022	bottom			84%	>12 mo		
		bottom					96%	>12 mo
Date of Sample	May 25, 2022	bottom	100%	NC				
Date of Analysis	June 15, 2022	bottom			100%	NC		
		bottom					100%	NC
Date of Sample	May 25, 2022	middle	100%	>12 mo				
Date of Analysis	June 15, 2022	middle			100%	>12 mo		
		middle					100%	>12 mo
Date of Sample	May 25, 2022	top	100%	NC				
Date of Analysis	June 15, 2022	top			100%	NC		
		top					100%	NC
Date of Sample	June 18, 2021	top	100%	NC				
Date of Analysis	Sept. 3, 2021	top			100%	NC		
		top					100%	NC
Date of Sample	June 18, 2021	middle	100%	>12 mo				
Date of Analysis	Sept. 3, 2021	middle			100%	>12 mo		
		middle					100%	>12 mo
Date of Sample	Aug. 24, 2022	bottom	100%	NC				
Date of Analysis	Sept. 12, 2022	bottom			96%	IR		
		bottom					96%	IR
Date of Sample	Aug. 24, 2022	top	96%	>12 mo				
Date of Analysis	Sept. 12, 2022	top			88%	>12 mo		
		top					96%	>12 mo
Date of Sample	Aug. 24, 2022	middle	100%	NC				
Date of Analysis	Sept. 12, 2022	middle			76%	RM		
		middle					96%	IR
Date of Sample	November 18, 2022	bottom (1B-low)	32%	RM				
Date of Analysis	December 2, 2022	middle (1B-med)	20%	RM				
		top (1B-high)	32%	RM				
Date of Sample	November 18, 2022	top (2B-low)			24%	RM		
Date of Analysis	December 2, 2022	middle (2B-med)			28%	RM		
		top (2B-high)			28%	RM		
Date of Sample	November 18, 2022	bottom (3A-low)					28%	RM
Date of Analysis	December 2, 2022	bottom (3A-med)					88%	RM
		bottom (3A-high)					76%	RM
Date of Sample	November 18, 2022	middle (3B-low)					4%	RM
Date of Analysis	December 2, 2022	middle (3B-med)					16%	RM
		middle (3B-high)					20%	RM
Date of Sample	January 11, 2023	top (2A-low)			72%	>12 mo		
Date of Analysis	January 26, 2023	top (2A-med)			80%	>12 mo		
		top (2A-high)			72%	>12 mo		
Date of Sample	January 11, 2023	middle (3B-low)					56%	RM
Date of Analysis	January 26, 2023	middle (3B-med)					88%	RM
		middle (3B-high)					76%	RM

Notes:

NC = no comment

>12 mo = replacement > 12 months IR = immediate resample

RM = replace media