



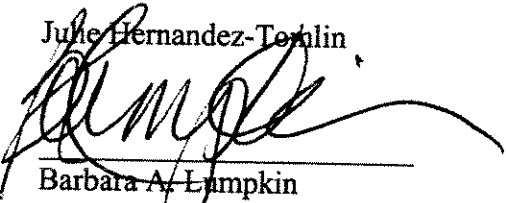
DEPARTMENT OF PROCUREMENT SERVICES

MEMORANDUM

Date: June 23, 2006

To: John F. Spatz, Acting Commissioner
Department of Water Management

Attn: Julie Hernandez-Torlin

From: 
Barbara A. Lumpkin
Chief Procurement Officer

Re: Emergency Purchase Authorization

Pursuant to Section 2-92-644 of the Municipal Purchasing Act, I am authorizing you to make an Operational Emergency purchase for 'Cryptosporidium and Giardia Testing, Primary Testing Facility' from Underwriters Laboratories, Inc. Based upon information received from members of your staff, I have determined that this procurement is necessary to meet a bona fide operating emergency.

You are hereby authorized to purchase 'Cryptosporidium and Giardia Testing, Primary Testing Facility' in the amount of \$86,880.00 as requested in your letter dated June 22, 2006. Any amount in excess of the \$86,880.00 approved herein will be subject to additional authorization and will be limited so as not to exceed the \$250,000.00 limit established by statute.

cc: Barbara A. Lumpkin
Douglas Yerkes
Lourdes Nur
Claude Humphrey
Lorel Blameuser
Scan
File: (Specification Number: 48295)
RX 28359





City of Chicago
Richard M. Daley, Mayor

Department of Water Management

Brian S. Murphy
Commissioner

Bureau of Administrative Support

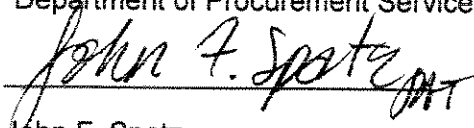
Julie Hernandez-Tomlin
Deputy Commissioner

DePaul Center, Suite 410
333 South State Street
Chicago, Illinois 60604
(312) 747-7089
(312) 747-7889 (FAX)

<http://www.cityofchicago.org/watermanagement>

Memorandum

TO: Barbara Lumpkin
Chief Procurement Officer
Department of Procurement Services

FROM: 
John F. Spatz
Acting Commissioner
Department of Water Management

SUBJECT: Request for Emergency Authorization for Cryptosporidium and Giardia Testing / Primary Testing facility REQ# 28359

Date: June 22, 2006

The Department of Water Management requires immediate authorization for service for Cryptosporidium and Giardia Testing. This testing is crucial and if not performed microorganisms can form in our water undetected that can cause illness if untested water is ingested.

This testing is mandatory by the EPA and approved laboratories were not made available until February 2006 which in-turn we did not receive quotes back until recently. As part of the requirement the City of Chicago must collect a field sample from our four different sources each month as part of the LT2. If any of these samples contains Cryptosporidium or Giardia, further sub testing and a second filter must be done for verification per EPA Method 1623.

There is no current contract for this service. Under the direction from the EPA DWM is only allowed to have our testing done by laboratories approved by the EPA. The EPA has a Lab QA Program to identify laboratories that can reliably measure the occurrence of *Cryptosporidium* in surface water using EPA Method 1622 and/or EPA Method 1623. DWM was provided a list by the EPA of approved laboratories that we could solicit bids. Please see attached (3) quotes from the closest certified laboratories. We recommend award for the primary Testing Facility to Underwriters Laboratories Inc. (UL) because they are the lowest bidder. They have a maximum price quote of \$86,880.00. (Please see attached break down of pricing and additional info.)

I certify that this emergency poses a clear and imminent danger, requiring immediate procurement services, supplies or equipment to prevent or mitigate the loss or impairment of life, health, property or essential public services and would not have been avoided by due care and diligence.

Thank you for your assistance. If you have any questions, please call John F. Spatz 312-744-7001

cc: Julie Hernandez-Tomlin
Barrett Murphy





City of Chicago
Richard M. Daley, Mayor

Department of Water Management

Brian S. Murphy
Commissioner

Bureau of Administrative Support

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The explanation for the bid prices for Crypto & Giardia Testing:

The City of Chicago must collect 1 field sample from 4 different sources each month as part of the LT2. If any of these samples contains Cryptosporidium or Giardia, further sub-testing and a second filter must be done for verification per EPA Method 1623. This sub-testing costs extra (\$100 each, noted on the top of the second page of UL's quote, and in the Exhibit B 2006 price tables for Univ. of WI). Thus, the pricing for these contracts is calculated using the *maximum* possible cost for each field sample (involving all sub-tests necessary for verification).

The UL Field Sample price calculation goes as follows:

1 x Field Sample (\$350) = \$350
Max of 3 x Subsamples by IMS (\$100) = \$300
Max of 1 x Second Filter (free) = \$0
for a Maximum Total Sample cost of \$650

The Univ. of WI 2006 Field Sample price calculation goes as follows (2007 and 2008 are calculated in the same manner):

1 x Field Sample (\$350) = \$360
Max of 3 x Subsamples by IMS (\$100) = \$300
Max of 1 x Second Filter (free) = \$150
for a Maximum Total Sample cost of \$810

Furthermore, a matrix spike from each source will be collected with the first or second sample from each of the four sources and every 20 samples thereafter. The matrix spike is done to as a standard check of the testing procedure. Further sub-testing and a second filter must also be done for verification on matrix spikes, thus the pricing for matrix spikes is also based on a *maximum* possible cost.

The UL Matrix Spike price calculation goes as follows:

1 x Field Sample (\$350) = \$440
Max of 3 x Subsamples by IMS (\$100) = \$300
Max of 1 x Second Filter (free) = \$0
for a Maximum Total Sample cost of \$740

The Univ. of WI 2006 Matrix Spike price calculation goes as follows (2007 and 2008 are calculated in the same manner):

1 x Field Sample (\$350) = \$380
Max of 3 x Subsamples by IMS (\$100) = \$300
Max of 1 x Second Filter (free) = \$150
for a Maximum Total Sample cost of \$830





City of Chicago
Richard M. Daley, Mayor

Department of Water Management

Brian S. Murphy
Commissioner

Bureau of Water Supply

John F. Spatz Jr.
Deputy Commissioner

Jardine Water Purification Plant
1000 East Ohio Street
Chicago, Illinois 60611
(312) 744-3702
(312) 742-1092 (FAX)

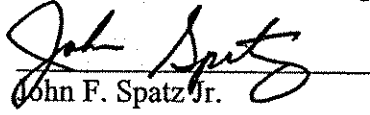
<http://www.cityofchicago.org/watermanagement>

Memorandum

To: Barrett Murphy
Deputy Commissioner
Bureau of Administrative Services

CC: Molly Longanecker
Supervisor of Contracts

Brian S. Murphy
Commissioner
Department of Water Management

From: 
John F. Spatz Jr.
Deputy Commissioner
Bureau of Water Supply

Subject: Request for Emergency Authorization for
Cryptosporidium and Giardia Testing

Date: June 2, 2006

The Department of Water Management requests emergency authorization for *Cryptosporidium* and *Giardia* Testing. This testing is required for compliance with the US EPA's Long Term 2 Enhanced Surface Water Treatment Rule (LT2). As part of this rule, which was promulgated in January 2006, a primary contract as well as a backup contract must be in place with a testing facility by June 30, 2006. A backup testing facility must be available for comparison sampling with the primary testing facility. A list of approved laboratories was not made available by the EPA until February 2006. An intergovernmental agreement was attempted to obtain these services, however the June 30th deadline made compliance impossible. Requests for quotes were sent to approved laboratories in March and only recently have quotes been returned.

Cryptosporidium parvum and *Giardia lamblia* are protozoan microorganisms that can cause illness if ingested and their removal from potable water supplies is required. The City of Chicago must collect a field sample from four different sources each month as part of the LT2. If any of these samples contains *Cryptosporidium* or *Giardia*, further sub-testing and a second filter must be done for verification per EPA Method 1623. This sub-testing costs extra. Thus, the pricing for these contracts is calculated using the maximum possible cost for each field sample (involving all sub-tests necessary for verification). Furthermore, a matrix

spike from each source will be collected with the first or second sample from each of the four sources and every 20 samples thereafter. The matrix spike is done to as a standard check of the testing procedure. Further sub-testing and a second filter must also be done for verification on matrix spikes, thus the pricing for matrix spikes is also based on a maximum possible cost.

Locations of both the primary and backup testing facilities are very important. Shipping the sample is very expensive and the sample must remain cold. Furthermore, if for some reason shipment of the sample is not possible, a driver needs to be able to deliver the sample directly to the lab.

Another important specification is that the testing facility must be willing to accept samples on the middle of each month. If a testing facility is unable to accommodate the Department of Water Management on the middle of the month, another facility must be awarded the contract.

Attached please find three (3) price quotations from the closest certified laboratories. We recommend awarding the primary laboratory services to Underwriters Laboratories Inc. (UL) because they are the low bidder, are willing to provide the needed field filtration apparatus, and are one of the closest facilities. They have a *maximum* price quote of \$86,880.00 for the next 132 field and matrix samples tested.

We further recommend awarding the backup laboratory services to the University of Wisconsin-Madison State Laboratory of Hygiene because they are willing to provide the needed field filtration apparatus. In addition, they are the most experienced with *Cryptosporidium* and *Giardia* testing. They have a *maximum* price quote of \$113,546.00 for the next 132 possible field samples tested for comparison. Testing by the backup facility for comparison to the primary facility is expected to occur quarterly.

Please contact John F. Spatz Jr., Deputy Commissioner, Bureau of Water Supply, at 312-744-3702 if you have any questions or concerns.

Thank you for your assistance.

Attachments
cc: A. Stark

Underwriters Laboratories Inc.

Line Item	Commodity Code	Description	Unit Price	Unit	Quantity	Price
1	92693	Field Sample - up to 0.5 mL packed pellet	\$ 350.00	EA	120	\$42,000.00
2	92693	Field Sample Subsamples by IMS - max of 3	\$ 100.00	EA	360	\$36,000.00
3	92693	Field Sample Second filter	\$ -	EA	120	\$0.00
		Maximum Field Sample Price	\$ 650.00			
4	92693	Matrix Spike 10 L bulk sample	\$ 440.00	EA	12	\$5,280.00
5	92693	Matrix Spike Subsamples by IMS - max of 3	\$ 100.00	EA	36	\$3,600.00
6	92693	Matrix Spike Second filter	\$ -	EA	12	\$0.00
		Maximum Matrix Spike Price	\$ 740.00			
Maximum Total:						\$86,880.00

Sent By: UNDERWRITERS LABORATORIES INC; 574 233 8207;

Jun-15-08 2:27PM;

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Drinking Water Laboratory
110 South Hill Street
South Bend, IN 46617

June 15, 2006

City of Chicago Department of Water
Jardine Filtration Plant
Attn: Alan Stark
1000 East Ohio Street
Chicago, IL 60611

Re: Quotation 4415, *Cryptosporidium* Monitoring for LT2

Dear Mr. Stark:

Underwriters Laboratories Inc. (UL) Drinking Water Laboratory is pleased to submit the attached Quotation 4415 for *Cryptosporidium* monitoring.

Since March of 1999 the UL Drinking Water Laboratory has performed *Cryptosporidium/Giardia* analyses by method 1623 on over 2390 surface and finished water samples for more than 170 different clients. In order for your system to comply with LT2, an approved laboratory must generate all analytical data in support of the rule. UL's Drinking Water Laboratory was one of the first laboratories to be granted EPA Approval Pending status (full approval was granted upon rule finalization) for analyzing *Cryptosporidium* using Method 1623.

UL is a 112-year-old not-for-profit organization focused on the protection of public health and safety. The UL Drinking Water Laboratory, founded in 1986 as Environmental Health Labs, is an analytical laboratory committed to providing testing services for drinking water samples to public water utilities, environmental and engineering consultants, industrial and residential clients. Our facility is located at 110 South Hill Street in South Bend Indiana.

The UL Drinking Water Laboratory looks forward to the opportunity to service the City of Chicago's LT2 testing needs. For additional information, please do not hesitate to contact us at 574-233-4777.

Respectfully Submitted,
Underwriters Laboratories Inc.

A handwritten signature in black ink, appearing to read 'D J Lecke', is written over a circular stamp that contains a question mark.

Dennis J. Lecke
Operations Manager
UL Drinking Water Laboratory

Sent By: UNDERWRITERS LABORATORIES INC; 574 233 8207; Jun-15-08 2:27PM; Page 3/4

UL Drinking Water Laboratory

Quote Number: 4415

Printed: 06/15/2008 01:27 PM

Date: 05/25/2008
Project: IL-PWS

Primary Contact:

Chicago, City of -Dept of Water
Alan Stark
Jardine Filtration Plant
1000 East Ohio Street
Chicago, IL 60611

Phone: 312-744-7733
Fax: 312-744-0761

Bill To: Same as Primary Contact

Ship To: Same as Primary Contact

Report To:
Same as Primary Contact

Test Name -- Matrix / Method	Qty	Price	Net Discount	Total
MS / Giardia/Cryptosporidium (Cubitainer) -- SW / 1623				
	8	440.00	3520.00	0.00 3520.00
% of filtered volume examined - MRL %		Cryptosporidium - MRL 0.1 oocysts/L		
Giardia - MRL 0.1 cysts/L		Number of filters used - MRL N/A		
Number of oocysts counted - MRL N/A		Packed pellet volume (ml) - MRL ml		
Sample volume filtered (L) - MRL L		Sample volume spiked (L) - MRL L		
Volume of resuspended concentrate (ml) - MRL ml		Volume of resuspension processed (ml) - MRL ml		
Giardia/Cryptosporidium (Cubitainer) -- SW / 1623				
	96	350.00	33600.00	0.00 33600.00
% of filtered volume examined - MRL %		Cryptosporidium - MRL 0.1 oocysts/L		
Giardia - MRL 0.1 cysts/L		Number of filters used - MRL N/A		
Number of oocysts counted - MRL N/A		Packed pellet volume (ml) - MRL ml		
Sample volume filtered (L) - MRL L		Sample volume spiked (L) - MRL L		
Volume of resuspended concentrate (ml) - MRL ml		Volume of resuspension processed (ml) - MRL ml		

Summary Of Charges	
NetTotal	37120.00
Special Charges	0.00
Total	37120.00

Comments:

Sent By: UNDERWRITERS LABORATORIES INC; 574 233 8207;

Jun-15-06 2:27PM;

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varab May 26 2006 07:48AM

A Filtering apparatus will be supplied at no charge for the duration of LT2 Monitoring.

varab May 26 2006 07:58AM

In the event that the packet pellet volume exceeds 0.5 mL; additional IMS will be needed. Each additional IMS used will be billed at \$100.00; not to exceed \$300.00 per sample.