

FINANCE COMMITTEE

FEBRUARY 3, 2016

7:00 PM

Aldermanic Chamber

ROLL CALL

PUBLIC COMMENT

COMMUNICATIONS

1. From: Dan Kooken, Purchasing Manager
Re: Purchase of One (1) 2015 SHSP FTIR Spectrometer (Value: \$66,500)
Department: 152 Fire; Account Classification: 71 Equipment
Activity: 2015 HSGP Competitive Grant

2. From: Dan Kooken, Purchasing Manager
Re: Change Order #2 Soil Wall – Landfill (Value: \$164,340)
Department: 168 Solid Waste; Fund: Solid Waste
Account Classification: 81 Capital Improvements; Activity: Soil Wall

3. From: Dan Kooken, Purchasing Manager
Re: Change Order #2 – Boiler Repair (Value: \$16,939)
Department: 169 Wastewater; Fund: Wastewater
Account Classification: 81 Capital Improvements

UNFINISHED BUSINESS – None

NEW BUSINESS – None

DISCUSSION

RECORD OF EXPENDITURES

PUBLIC COMMENT

POSSIBLE NON-PUBLIC SESSION

ADJOURNMENT



City of Nashua

Central Purchasing
229 Main Street
Nashua NH 03060
603-589-3330 Fax: 603-589-3344

January 27, 2016
Memo #16-104

TO: MAYOR DONCHESS
FINANCE COMMITTEE

SUBJECT: PURCHASE OF ONE (1) 2015 SHSP FTIR SPECTROMETER (VALUE: \$66,500)
DEPARTMENT: 152 FIRE;
ACCOUNT CLASSIFICATION: 71 EQUIPMENT; ACTIVITY: 2015 HSGP
COMPETITIVE GRANT

Please see the attached communication from Deputy Chief Karl Gerhard to Dan Kooken, Purchasing Manager, City of Nashua dated January 18, 2016 for information related to this request.

Pursuant to NRO § 5-84 (A) (5) Purchases from a sole manufacturer, where it is determined to be more efficient and economical to reduce costs of maintenance of additional repair parts, suppliers or services.

Nashua Fire Rescue and the Purchasing Department recommend the purchase of this product from Thermo Fisher Scientific of Tewksbury, MA in the amount of \$66,500.

Respectfully,

Dan Kooken
Purchasing Manager

Cc: S. Galipeau B. Rhodes J. Graziano



Nashua Fire Rescue
Administrative Office
70 East Hollis Street, Nashua, NH 03060
www.nashuafire.com

Deputy Chief Karl Gerhard
Group 3 Shift Commander
Nashua Fire Rescue
(603) 594-3636
GerhardK@nashuanh.gov

January 18, 2016

To: Dan Kooken, Purchasing Manager, City of Nashua
From: Deputy Chief Gerhard
RE: Thermo Fisher Scientific FTIR Grant purchase questions

Good day Dan,

I'm writing you today to provide some additional background pertaining to Nashua Fire Rescue's recent request to purchase a Thermo Fisher Scientific FTIR spectrometer (grant request notification 8/23/2015).

Nashua Fire Rescue houses and operates the regional hazmat team known as the Souhegan Mutual Aid Response Team (SMART). SMART was established in the 1990's after the need for a regional hazmat team was determined (Title III of the SARA Act of 1986, PL99-499 compliance). SMART is primary hazardous materials team for 19 communities in the local area that is comprised the membership communities that form the Souhegan Mutual Aid Association (SMAA). Nashua Fire Rescue was chosen by these communities as the "Lead City" due to our staffing levels and ability to house the required team equipment and apparatus.

Previously in 2013, Nashua Fire Rescue via SMAA, received grant funding to procure a Thermo Fisher Scientific Raman Spectrometer. The Raman Spectrometer can identify approximately 60% of unknown substances (aka "white powder calls") via on scene chemical analysis and comparing that result to an onboard chemical database. As excellent this is, there are limitation to this type of meter that do not allow for sampling of some chemicals due to the color spectrum of certain substances (fluorescent or very dark substances for example cannot be analyzed via Raman technology). The recently requested grant funded FTIR meter serves as a companion meter to the Raman to provide almost complete spectrum chemical analysis coverage, closing the gap on the remaining 40% of unknown substance identification. While there will still be a small gap due to the nature of chemicals, these two meters will allow us to identify most chemicals as technology will currently permit.

Due to the nature in which the Thermo Fisher Scientific Raman and FTIR meters support each other, we feel that in accordance with NRO SEC. 5-84 (A) (5), special purchasing procedures for sole source procurements, we would like to contract with Thermo Fisher Scientific who is the sole source manufacturer of the FTIR Spectrometer.

I hope this addresses any of your questions regarding this important grant funded purchase. If you have any additional questions, please do not hesitate to contact me at your convenience.

Karl Gerhard
Deputy Chief
Nashua Fire Rescue
SMART Team Manager

Sales Quotation

Thermo Scientific Portable Analytical Instruments Inc.
 2 Radcliff Rd
 Tewksbury, Massachusetts 01876
 United States

Quote Number	Created Date	Exp. Delivery Terms	Page
0088371	12/08/2015	8 Weeks ARO	1 / 5
Contact:	Phone	Payment Term	Valid To
Dave Massingham	508-782-0595	Net 30	12/31/2015
Ince Terms		Shipping Method	
FOB Origin - Tewksbury Ma		Fed Ex 2nd Day	

Submitted To:

Dave Perault
 Lt
 Nashua Fire/Rescue
 70 E Hollis St
 Nashua, New Hampshire 3060-6307
 United States

Phone:
 Email: peraultd@nashuanh.gov

THANK YOU FOR YOUR INTEREST IN THERMO SCIENTIFIC INSTRUMENTATION

To Place an Order:	
Contact:	Dave Massingham
Phone:	(508) 782-0595
Fax:	(878) 752-1285
Email:	dave.massingham@thermofisher.com
Additional instructions, terms & conditions on last page	

Pos.	Product Code	Product Name	Sales Price	Quantity	Total Price
10	800-00805-01	TruDefender FTX S5, English, Orange Boot	USD 66,500.00	1	USD 66,500.00

TruDefender FTX - Rugged handheld FTIR chemical identification system for solids and liquids with anvil sampling capability. Including 5 year Warranty, 5 year Support, and On-Site Training within the Continental United States (CONUS; One 4-hour course per instrument for up to 12 students. Expires 9 months after date of purchase).

Total: USD 66,500.00

Important Note: Please issue POs to Thermo Scientific Portable Analytical Instruments Inc

Federal Tax ID No.: 01-0650031

CAGE CODE: 392A9

DUNS #: 11-289-3131

Bank of America ABA# for Wire Payments: 026 009 593

Bank of America ABA# for ACH Payments: 111 000 012

Beneficiary Account Number: 4426843850

When applicable, commodities, technology, or software to be provided in furtherance of this order shall be exported from the United States in accordance with applicable U.S export laws or regulations. Diversion contrary to US law prohibited. Unless otherwise agreed to in writing, Thermo Scientific Portable Analytical Instruments Inc. terms and conditions shall apply and take precedence.

Acceptance of Purchase

Quote: DM-00088371

By signing below, you (i) warrant that you are an authorized representative of your company, (ii) agree that the Thermo Scientific Portable Analytical Instruments Inc. Terms and Conditions of Sale attached hereto (the "Terms and Conditions") shall supersede any preprinted terms and conditions, in their entirety, contained in any purchase order that your company issues and (iii) the Terms and Conditions shall exclusively govern the transaction(s) contemplated hereby

Signature of authorized company representative Date Phone#

Print Name Title Email

Model # Amount + S&H Purchase Order Number

E-mail to: psalesops@thermofisher.com Fax to: 1-877-680-2566

Order Processing Address:
dave.massingham@thermofisher.com
Thermo Scientific Portable Analytical Instruments Inc
2 Redcliff Road
Tewksbury, MA 01876

Remit check Payment To:
Thermo Scientific Portable Analytical Instruments Inc
PO Box 415918
Boston, MA 02241-415918

Payment Details

Method of Payment

- Net 30 (Attach Credit Application & Credit References)
Credit Card
Check
Wire Transfer

Sales Tax Application

- Yes Apply Sales Tax
No

- If no, you must provide a copy of your tax exemption certificate along with your purchase order.

Please contact your customer service representative with your credit card information. (Do not send any credit card info via email or fax.)

Address Verification

Please make corrections if necessary below.

Bill to:
70 E Hollis St
Nashua, New Hampshire 3080-6307
United States

Ship to:
70 E Hollis St
Nashua, New Hampshire 3060-6307
United States

Additional Options / Accessories

Please use the space below to note any additional options and/or accessories you wish to add from the attached sheets that are not included in the above quotation.

Three horizontal lines for additional options and accessories.

When applicable, commodities, technology, or software to be provided in furtherance of this order shall be exported from the United States in accordance with applicable U.S export laws or regulations. Diversion contrary to US law prohibited. Unless otherwise agreed to in writing, Thermo Scientific Portable Analytical Instruments Inc. terms and conditions shall apply and take precedence.

Request for Sole Service / Sole Brand Justification TruDefender FTX

The following information is provided to assist you in determining if the following products manufactured by Thermo Fisher Scientific – Portable Analytical Instruments qualify for sole purchase justification status as a brand specific item.

Thermo Fisher Scientific, is the sole manufacturer of the TruDefender FTX FTIR handheld spectrometer, from its sole manufacturing location at 2 Radcliff Rd Tewksbury, Massachusetts USA. This system is unique as the a ruggedized, waterproof and self contained FTIR spectrometer, only product on the market in its class to meet Mil-Spec 810F ruggedness specs and IP67 Waterproof specs. It uses proprietary Chemometric routines to identify unknown chemicals that are not available on any other FTIR spectrometers.

The TruDefender FTX is the only Spectrometer available on the market that will run the DecisionEngine 2.0 MX mixture analysis software for identifying and analyzing mixtures of chemical compounds. There is no other system on the market that uses this combination of Chemometrics and software routines. The TruDefender FTX is the only commercial handheld spectrometer that contains signatures of chemical weapons and explosives as well as millions of other toxic chemical combinations. These chemicals are also linked to chemical hazard screens that provide information on the properties of the chemical that has been identified. This allows field personnel to rapidly deal with the hazardous chemical. These requirements make it ideally suited to use to identify unknown materials in the field. No other hand held FTIR spectrometers are available commercially that meet these field requirements. Thermo Scientific holds a number of patents on the components and chemometric routines that are used to make this system.

Thermo Fisher Scientific is the only company qualified to provide 24/7 support, provide product warranty support, provide user specific training, and conduct any kind of service on any of the devices manufactured by Thermo Fisher Scientific.

Please refer to FTX System Specifications for more information.

Dave Massingham
TFS PAI



City of Nashua
Central Purchasing
229 Main Street - Nashua, NH 03060

January 27, 2016
Memo #16-105

TO: MAYOR DONCHESS
FINANCE COMMITTEE

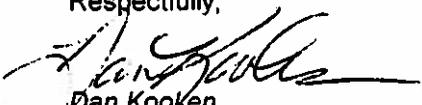
SUBJECT: CHANGE ORDER #2 SOIL WALL – LANDFILL (VALUE: \$164,340)
DEPARTMENT: 168 SOLID WASTE; FUND: SOLID WASTE
CLASSIFICATION: 81 CAPITAL IMPROVEMENTS; ACTIVITY: SOIL WALL

Please see attached communication from Jeff Lafleur, Solid Waste Department Superintendent dated January 21, 2016 for the information related to this purchase.

The original contract, pursuant to NRO § 5-78 Major purchases (greater than \$10,000), was awarded in the amount of \$163,727. Change Order #1 was awarded in the amount of \$163,912 for a new contract total of \$327,639.

The Solid Waste Department Superintendent, Board of Public Works (January 21, 2016) and the Purchasing Department recommend the approval of Change Order #2 in the amount of **\$164,340** from **Northeast Earth Mechanics, Inc. of Pittsfield, NH**. If approved, this proposed change order will bring the contract total to **\$492,069**.

Respectfully,


Dan Kooker
Purchasing Manager

Cc: J Lafleur L Fauteux

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: January 21, 2016

From: Jeff Lafleur, Superintendent
Solid Waste Department

Re: Change Order #2 to contract with Northeast Earth Mechanics, Inc.

A. Motion: To approve Change Order #2 to the contract with Northeast Earth Mechanics, Inc. (NEM) in the amount of \$164,340 to continue construction of the residential setback barrier wall in the Phase II landfill. Funding for this Change Order is through Department: 168 Solid Waste; Fund: Solid Waste; Account Classification: 81 Capital Improvements; Activity: Soil Wall.

Discussion: NHDES Solid Waste Rules prohibit placement of municipal solid waste within 500 feet of a residential structure. The Four Hills lined expansion landfill (Phase I & II) was designed and constructed with the footprint of the landfill encroaching the 500-foot setback limit to residences on Farmwood Drive and Pioneer Drive. In order to comply with the residential setback rule, a barrier must be constructed within the footprint of the landfill to prevent waste from being placed in the setback. The barrier wall must be expanded annually as waste elevations in the landfill increase.

In May 2014 the City solicited bids for construction of Phase 1 of the soil wall under IFB0593-050514. Six contractors submitted bids for the project with Northeast Earth Mechanics (NEM) being the lowest bidder:

Vendor	Bid results
Northeast Earth Mechanics	\$163,727.50
Morello Construction	\$167,337.50
Daniel T. Ladd Site Work	\$203,300.00
Project Resource Group LLC	\$234,054.00
Greene & Russell, Inc.	\$266,000.00
SCS Field Services	\$297,405.00

Under the original contract in the amount of **\$163,727.50** Northeast Earth Mechanics (NEM) began initial construction in July 2014 of the residential setback barrier wall in the Phase II/Stage I landfill. Per the NHDES approved scope of work and contract executed June 10, 2014, NEM established a compacted soil foundation over the primary liner drainage sand and placed four lifts of concrete waste blocks on the foundation.

Change Order #1 in the amount of **\$163,912** provided for the continued construction of the wall to an elevation of 260 feet in the Phase II/Stage 1 landfill.

Change Order #2 in the amount of **\$164,340** will continue the foundation construction into the Phase II/Stage II landfill up to an elevation of 260 feet. It is the recommendation of the Solid Waste Superintendent to continue construction of the Set Back Barrier Wall with NEM. Upon approval of **Change Order #2** the **total cost of contract is \$491,979**.



City of Nashua
Central Purchasing
229 Main Street
Nashua NH 03060
603-589-3330 Fax: 603-589-3344

January 27, 2016
Memo #16-106

TO: MAYOR DONCHESS
FINANCE COMMITTEE

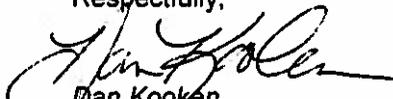
SUBJECT: CHANGE ORDER #2 – BOILER REPAIR (VALUE: \$16,939)
DEPARTMENT: 169 WASTEWATER; FUND: WASTEWATER
ACCOUNT CLASSIFICATION: 81 CAPITAL IMPROVEMENTS

Please see the attached communication from David Simmons, Wastewater Department Superintendent dated January 21, 2016 for the information related to this purchase.

The original contract, pursuant to NRO § 5-78 Major purchases (greater than \$10,000), was awarded in the amount of \$61,080, Change Order #1 was in the amount of \$8,756 for a new contract total of \$69,836.

The Wastewater Department Superintendent, Board of Public Works (January 21, 2016) and the Purchasing Department recommend the approval of Change Order #2 in an amount of **\$16,939** to **Armand E. Lemire Company Inc.** of Hooksett, NH. If approved, this proposed change order will bring the contract total to \$86,775.

Respectfully,


Dan Kooker
Purchasing Manager

Cc: D Simmons L Fauteux

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: January 21, 2016
From: David A. Simmons, Superintendent
Wastewater Department
Re: Boiler Repairs – Change Order #2

C. Motion: To approve Change Order #2 in the amount of \$16,939.29 to the contract with Armand E. Lemire Company Co., Inc. of Hooksett, NH for the installation of new boilers at the Wastewater Treatment Facility. Funding will be through Department: 169 Wastewater; Fund: Wastewater; Account Classification: 81 Capital Improvements.

Discussion: The original contract in the amount of \$61,080 included labor only for the installation of the new boilers, demo the remaining boiler and install the condensate pump. Purchase Order # 123277 was issued. Change Order #1 in the amount of \$8,755.85 was processed when it was determined to be more advantageous to have Lemire purchase the materials (miscellaneous pipe fittings and check valves) directly.

Change Order #2 in the amount of \$16,939.29 became necessary when the contractor went to install the three new condensate pumps, they discovered that the piping to and from the existing condensate pumps were so riddled with holes, that additional labor was necessary to replace the piping to and from the condensate pumps. Additionally, the burner controls had to be removed from the burners and relocated to allow the units to fit within the boiler room itself. This relocation required that the controls be rewired. This work was authorized at the time to not stall the project.

Finally, there were two gas pressure regulators bought with the original boilers. One regulator is rated for 1 psi and the other regulator is rated for 0.5 psi. The gas pressure at the main at the facility is 2.0 psi. The contractor has quoted \$2,520 to purchase and install the correct size pressure regulators.

Upon approval of **Change Order #2** the total contract value will be \$86,775.14.

1. Relocation of 2 burners and rewire of controls:

Time & Material for the relocation of two (2) burners. There was not enough room to access these control panels and it was mutually agreed upon that they needed relocating. Procontrols did all of the rewiring necessary.

Labor: 80 hours @ \$85/hr. \$6,800.00
Materials: \$ 680.00

Total Time & Materials **\$7,480.00**

2. Miscellaneous pipe fittings:

2) 4" Milwaukee flanged gate valves @\$1,280.03 ea	\$2,560.06
2) 4" Milwaukee flanged check valves @\$1,146.06 ea	\$2,292.12
4) 4" weld 90's @\$88.90 ea	\$355.60
1) 4" weld Tee @\$120.34 ea	\$120.34
2) 5" x 4" Blk bushing @\$98.40 ea	\$196.80
2) 5" Blk plugs @\$56.60 ea	\$113.20
42') 1.25" Blk pipe Sch 80 @\$6.10'	\$256.20
5) 1.25" x 4" Blk nipples @\$7.85 ea	\$39.25
6) 1.25" Milwaukee /PS Ball valves @\$59.98 ea	\$359.88
3) 4" bolt & gasket sets @\$19.90 ea	\$59.70
1) 4" x 1.25" Blk bushing @\$37.74	\$37.74
1) 1" x 3/4" Blk coupling @\$5.10 ea	\$5.10
2) 1.25" x 3" Blk nipples @\$6.90 ea	\$13.80
1) 1" x 3/4" Blk Tee @\$6.85 ea	\$6.85
1) 3/4" Milwaukee IPS Ball Valve with hose adapter and cap @\$39.10	\$39.10
1) 1" x 3/4" Blk bushing @\$3.09 ea	\$3.09
1) 4" x 1.5" Blk bushing @\$32.22 ea	\$32.22
1) 1.5" x 1.25" Blk bushing @\$5.24 ea	\$5.24
1lot) Misc. cutting wheels and ace's @\$125	\$125.00
1lot) 5/8" & 3/4" bolts and nuts @\$68.00	\$68.00
2) Deliveries by AELCO @\$125 ea	\$250.00
Total Materials and Delivery Charges	<u>\$6,939.29</u>

3. Purchase and Installation of 2 gas pressure regulators:

2) 2" Maxitrol 2 PSI gas pressure regulators @\$1,090 ea.	\$2,180.00
4) Additional hour's labor for reworking previously installed incorrect gas regulator (4hrs @\$85 hr.)	\$ 340.00
Total Cost	<u>\$2,520.00</u>

TOTAL AMOUNT = \$16,939.29