

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works Government Services Canada-
Bid Receiving / Réception des soumissions
189 Prince William Street
Room 421
Saint John
New Brunswick
E2L 2B9

INVITATION TO TENDER
APPEL D'OFFRES

**Tender To: Public Works and Government Services
Canada**

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: Travaux Publics et Services
Gouvernementaux 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).

Comments - Commentaires

Vendor/Firm Name and Address
**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works Government Services Canada- Bid
Receiving / Réception des soumissions
189 Prince William Street
Room 421
Saint John
New Bruns
E2L 2B9

Title - Sujet Insp.Mtnce Heat Plant,Moncton,Susse	
Solicitation No. - N° de l'invitation W0105-13E063/A	Date 2013-08-16
Client Reference No. - N° de référence du client W0105-13E063	GETS Ref. No. - N° de réf. de SEAG PW-\$PWB-020-3291
File No. - N° de dossier PWB-3-36039 (020)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-09-10	
Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Donovan, Janine PWB	Buyer Id - Id de l'acheteur pwb020
Telephone No. - N° de téléphone (506) 636-5347 ()	FAX No. - N° de FAX (506) 636-4376
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Inspection & Maintenance of Heating Plant & Eqpt. Moncton & Sussex Armoury New Brunswick Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

**BUILDING MECHANICAL SYSTEMS
MONCTON & SUSSEX ARMOURIES, NEW BRUNSWICK**

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PART 1 - GENERAL INFORMATION

1. Requirement

The Department of National Defence (DND) has a requirement for the furnishing of all labour, materials, tools, equipment and transportation required to provide heating plant operation inspection and repair services at various locations in Moncton & Sussex, New Brunswick. The Service Contract is required for the period from Date of Award to June 30, 2014 with an option to extend for two additional one year periods. The services must be provided in accordance with the Specification attached at Annex "E".

This agreement is subject to the provisions of the Agreement on Internal Trade.

2. Debriefings

After contract award, bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions*

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>)
Manual issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

1.1 SACC Manual Clauses (by reference)

A0220T - Evaluation of Price (2013-04-25)

2. Submission of Bids

Tenders shall be received at the office designated for the receipt of tenders, on or before the date and time set for tender closing. Late tenders will be returned unopened.

- (a) Bids must be complete and submitted on prescribed tender form;
- (b) Include the tender call number/project number and description of proposed work;
- (c) Include the closing date and time;
- (d) Must be received prior to bid closing time and at the designated place and facsimile number - FACSIMILE NUMBER IS (506-636-4376).

NOTE: FACSIMILE BIDS

Only incorrect handling by the Department of Public Works and Government Services will excuse the delay of responses transmitted by facsimile. Misrouting, traffic volume, weather disturbances, or any cause for the late receipt of such responses are not acceptable.

Bid Receiving
Public Works and Government Services Canada
Room 421
189 Prince William Street
Saint John, New Brunswick
E2L 2B9

NOTE: THIS IS NOT A PUBLIC OPENING

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 (five) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in New Brunswick.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

5. Insurance Requirements

The Bidder must provide a letter from an insurance broker or an insurance company licensed to operate in Canada stating that the Bidder, if awarded a contract as a result of the bid solicitation, can be insured in accordance with the Insurance Requirements specified in Annex "C".

If the information is not provided in the bid, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

6. Workers Compensation Certification - Letter of Good Standing

The Bidder must have an account in good standing with the applicable provincial or territorial Workers' Compensation Board.

The Bidder must provide, within seven (7) days following a request from the Contracting Authority, a certificate or letter from the applicable Workers' Compensation Board confirming the Bidder's good standing account. Failure to comply with the request may result in the bid being declared non-responsive.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Price must not appear in any other area of the bid except in the **Financial Bid**.

It is required that the bids follow the response format/instructions as detailed below:

Section I: Technical Bid

No Technical Bid required as part of this requirement.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with Annex "B" Basis of Payment. The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable

Section III: Certifications

Bidders must submit the certification required under Part 5.

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PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures and Basis of Selection

Bids will be evaluated in accordance with the **Evaluation Criteria and Basis of Selection** specified in **Annex "A"** and **Basis of Payment** specified in **Annex "B"**. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies, for himself and his affiliates, to be in compliance with the Code of

Conduct and Certifications clause of the Standard instructions. The related documentation hereinafter mentioned will help Canada in confirming that the certifications are true. By submitting a bid, the Bidder certifies that it is aware, and that its affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Bidder, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties. Canada will declare non-responsive any bid in respect of which the information requested is missing or inaccurate, or in respect of which the information contained in the certifications is found to be untrue, in any respect, by Canada. The Bidder and any of the Bidder's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any contract arising from this bid solicitation.

Bidders who are incorporated, including those bidding as a joint venture, must provide with their bid or promptly thereafter a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, including those bidding as a joint venture, must provide the name of the owner with their bid or promptly thereafter. Bidders bidding as societies, firms, partnerships or associations of persons do not need to provide lists of names. If the required names have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form- PWGSC-TPSGC 229)

(<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals aforementioned within the time specified. Failure to provide such Consent Forms within the time period provided will result in the bid being declared non-responsive.

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to

meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

2.1 HVAC License for the Province of New Brunswick
Required for all technicians that will perform the work.

2.2 G1-L Gas Technician License for the Province of New Brunswick
Required for all technicians that will perform the work.

2.3 Steamfitter - Pipefitter License issued by the New Brunswick Department of Public Safety
Required for all technicians that will perform the work.

2.4 Certificate from the Heating, Refrigeration and Air Conditioning Institute of Canada

A certificate is required for all technicians that will perform the work from the Heating, Refrigeration and Air Conditioning Institute of Canada that the employee has successfully completed a course of studies in CFC/HCFC/HFC Control in the refrigeration and Air Conditioning Industry and are an Authorized Webster Burner and Well-McLain Service Contractor.

PART 6 - RESULTING CONTRACT CLAUSES

1. Requirement

The Department of National Defence (DND) has a requirement for the furnishing of all labour, materials, tools, equipment and transportation required to provide heating plant operation inspection and repair services at various locations in Moncton & Sussex, New Brunswick. The Service Contract is required for the period from Date of Award to June 30, 2014 with an option to extend for two additional one year periods. The services must be provided in accordance with the Specification attached at Annex "E".

2. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions*

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) Manual issued by Public Works and Government Services Canada.

2.1 General Conditions

2010C (2013-06-27), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

3. Term of Contract

3.1 Period of the Contract

The work is to be performed from Date of Award to June 30, 2014.

3.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to two (2) additional one (1) year period(s) under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least thirty (30) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

4. Authorities

4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Janine Donovan
Title: Supply Specialist
Organization: Public Works and Government Services Canada
Acquisitions Branch
Directorate: Real Property Contracting
Address: 189 Prince William Street
Saint John, New Brunswick
E2L 2B9
Telephone: (506) 636-5347
Facsimile: (506) 636-4376
E-mail address: janine.donovan@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

4.2 Project Authority - Will be made available at time of award

The Project Authority for the Contract is:

Name:
Title:
Organization:
Address:
Telephone :
Facsimile:
E-mail address:

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

4.3 Contractor's Representative

Name:
Title:
Organization:
Address:
Telephone:
Fax:
E-mail:

5. Payment

Basis of payment is in accordance with Annex "B" and section 12, Payment Period, of the 2010C (2013-06-27), General Conditions - Services (Medium Complexity).

5.1 Monthly Payment

SACC Manual clause H1008C (2008-05-12) Monthly Payment

6. Invoicing Instructions

The Contractor must submit invoices in accordance with the information required in section 10, Invoice Submission, of the 2010C (2013-06-27), General Conditions - Services (Medium Complexity).

7. Certifications

7.1 Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

8. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in New Brunswick.

9. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2010C (2013-06-27);
- (c) Specification (Annex "E") and annexes;
- (d) Any Amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
- (e) the Contractor's bid dated _____

10. SACC Manual Clauses

SACC Manual Clause A0285C (2007-05-25) Worker's Compensation
SACC Manual Clause A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)
SACC Manual Clause A2001C (2006-06-16) Foreign Nationals (Foreign Contractor)

11. Insurance Requirements

The Contractor must comply with the insurance requirements specified in Annex "C". The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

The Contractor must forward to the Contracting Authority within seven (7) days after request from the Contracting Authority and prior to award of Service Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. Coverage must be placed with an Insurer licensed to carry out business in Canada. The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

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ANNEX "A"

EVALUATION CRITERIA AND BASIS OF SELECTION

ANNEX "A"

EVALUATION CRITERIA AND BASIS OF SELECTION

Bids received will be assessed in accordance with the entire requirement of the bid solicitation.

1. Mandatory Criteria

1. Submission of firm prices/rates for one (1) year including two (2) option years in accordance with Invitation to Tender.
2. A duly completed and signed Invitation to Tender including all Addenda.
3. Within seven (7) days of request from contracting authority and prior to award of Service Contract, provide proof that Bidder has an account in good standing with the Provincial Workers Compensation Board/Commission.
4. Within seven (7) days of request from contracting authority and prior to award of Service Contract, the bidder shall be required to provide proof of Liability Insurance in the amount of \$2,000,000.00.
5. Bidder must provide, upon request from the contracting authority, a list of equipment. Equipment is subject to inspection and approval by the Department of National Defence (DND) prior to award of Service Contract.
6. Within 7 days of request from contracting authority and prior to award of Service Contract, provide HVAC License for the Province of New Brunswick for all technicians who will be performing the work, in accordance with Section 00 21 13, Paragraph 1.21.1 of the Specification located at Annex E.
7. Within 7 days of request from contracting authority and prior to award of Service Contract, provide G1-L Gas Technician License for all technicians who will be performing the work, in accordance with Section 00 21 13, Paragraph 1.21.1 of the Specification located at Annex E.
8. Within 7 days of request from contracting authority and prior to award of Service Contract, provide steamfitter-pipefitter license for all technicians who will be performing the work, in accordance with Section 00 21 13, Paragraph 1.21.1 of the Specification located at Annex E.
9. Within 7 days of request from contracting authority and prior to award of Service Contract, provide a certificate from the Heating, Refrigeration and Air Conditioning Institute of Canada that the Employee has successfully completed a course of studies in CFC/HCFC/HFC Control in the Refrigeration and Air Conditioning Industry and are an authorized Webster Burner and Weil-McLain Service Contractor for all technicians who will be performing the work, in accordance with Section 00 21 13, Paragraph 1.21.1 of the Specification located at Annex E.

2. 2007/05/07 A0069T Basis of Selection - Mandatory Requirements Only

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

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ANNEX "B"

BASIS OF PAYMENT

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ANNEX "B" BASIS OF PAYMENT

The following requirement must be strictly adhered to: **Failure to do so shall render the bidder's proposal as non-responsive.**

It is mandatory that the bidders submit firm rates for the Period of the Service Contract for all items listed hereafter. Unit Price Tables, will be considered as the bidder's Financial Proposal.

Each item specified in the Unit Price Tables, includes wages, traveling time and costs, allowances, supervision, liabilities as employer, insurance, and the use of all tools, tackle, etc., overhead, profit, and all other liabilities whatsoever.

The prices inserted in the Unit Price Tables, includes all applicable federal, provincial and municipal taxes. However, they do not include any amount for the Goods and Services Tax (GST)/Harmonized Sales Tax (HST). The appropriate GST/HST amounts will be paid by Her Majesty to the Offeror in addition to the amount paid against the amount of the contract.

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The estimated quantity entered in column four for each item is an estimate only for service as and when required and does not infer all the quantities for that item will be utilized or that the quantities may not be exceeded.

NOTE: TENDERS WILL BE EVALUATED ON THE TOTAL BID FOR THE FIRST TERM OF THE CONTRACT PLUS THE OPTION YEARS. HOWEVER, ANY CONTRACT AWARD WILL BE FOR THE TERM OF DATE OF AWARD TO JUNE 30, 2014.

Item	Class of Service	Unit of Measure	Estimated Quantity	A			B			C				
				Date of Award-June 30, 2014	Price per Unit	Total	Option Year July 1, 2014 - June 30, 2015	Price per Unit	Total	Option Year July 1, 2015 - June 30, 2016	Price per Unit	Total		
1.	Rate per monthly inspection of two natural gas boilers at Building No. 1 & 35, Moncton	Inspection	6											
2.	Rate per monthly inspection of two natural gas boilers at Building No. 2, Moncton	Inspection	6											
3.	Rate for monthly inspection of two natural gas boilers at Building No. 47, Moncton	Inspection	8											

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Item	Class of Service	Unit of Measure	Estimated Quantity	A		B		C						
				Date of Award-June 30, 2014	Price per Unit	Total	Option Year July 1, 2014 - June 30, 2015	Price per Unit	Total	Option Year July 1, 2015 - June 30, 2016	Price per Unit	Total		
4.	Rate for monthly inspection of two natural gas boilers and one natural gas fired hot water heater at Building No. 48, Moncton	Inspection	6											
5.	Rate for monthly inspection of two natural gas hot water boilers Building No. 60A, Moncton	Inspection	6											
6.	Rate for monthly inspection of one natural gas hot water boiler and one natural gas hot water heater at Building No. 66, Moncton	Inspection	6											

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Item	Class of Service	Unit of Measure	Estimated Quantity	A		B		C					
				Date of Award-June 30, 2014	Price per Unit	Total	Option Year July 1, 2014 - June 30, 2015	Price per Unit	Total	Option Year July 1, 2015 - June 30, 2016	Price per Unit	Total	
7.	Rate for monthly inspection of one oil fired hot water boiler at Sussex Armoury	Inspection	6										
8.	Rate for monthly inspection of one oil fired warm air furnace at 110 Athlone Ave., Moncton	Inspection	6										
9.	Rate per location for annual inspection and cleaning of all natural gas and oil fired boilers, natural gas fired hot water heaters and the oil fired hot air furnaces to be completed prior to heating season as listed in Annex C												

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Item	Class of Service	Unit of Measure	Estimated Quantity	A		B		C						
				Date of Award-June 30, 2014	Price per Unit	Total	Option Year July 1, 2014 - June 30, 2015	Price per Unit	Total	Option Year July 1, 2015 - June 30, 2016	Price per Unit	Total		
9.1	Building No. 1 & 35, Moncton	Inspection & cleaning	1											
9.2	Building No. 2, Moncton	Inspection & cleaning	1											
9.3	Building No. 41, Moncton	Inspection & cleaning	1											
9.4	Building No. 42, Moncton	Inspection & cleaning	1											
9.5	Building No. 47, Moncton	Inspection & cleaning	1											
9.6	Building No. 48, Moncton	Inspection & cleaning	1											
9.7	Building No. 60A, Moncton	Inspection & cleaning	1											
9.8	Building No. 66, Moncton	Inspection & cleaning	1											
9.9	Sussex Amoury	Inspection & cleaning	1											
9.10	202 Dickson Blvd., Moncton	Inspection & cleaning	1											

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 File No. - N° du dossier
 PWB-3-36039

Buyer ID - Id de l'acheteur
 pwb020
 CCC No./N° CCC - FMS No/N° VME

Item	Class of Service	Unit of Measure	Estimated Quantity	A		B		C						
				Date of Award-June 30, 2014	Price per Unit	Total	Option Year July 1, 2014 - June 30, 2015	Price per Unit	Total	Option Year July 1, 2015 - June 30, 2016	Price per Unit	Total		
9.11	21 & 25 Bennett (Duplex), Moncton	Inspection & cleaning	1											
9.12	110 Athlone Ave., Moncton	Inspection & cleaning	1											
10.	Rate per hour for repair work during normal working hours, Monday to Friday 7:30 am to 4:00 pm	Hours	200											
11.	Rate per hour for emergency repairs after normal working hours, nights, Saturdays, Sundays and Holidays	Hours	100											

Solicitation No. - N° de l'invitation
W0105-13E063/A
 Client Ref. No. - N° de réf. du client
 W0105-13E063

Amd. No. - N° de la modif.
 File No. - N° du dossier
 PWB-3-36039

Buyer ID - Id de l'acheteur
 pwb020

CCC No./N° CCC - FMS No./N° VME

Item	Class of Service	Unit of Measure	Estimated Quantity	A		B		C		
				Date of Award-June 30, 2014	Price per Unit	Option Year July 1, 2014 - June 30, 2015	Price per Unit	Option Year July 1, 2015 - June 30, 2016	Price per Unit	Total
12.	All products and materials will be invoiced at the Contractor's wholesale cost plus a percentage for mark-up. The Contractor is to submit a percent of mark-up for tendering purposes: <u> </u> % Allowance+ Mark-Up=Total	Allowance	\$20,000	\$ _____	Mark-up in \$ _____	\$ _____	Mark-up in \$ _____	\$ _____	Mark-up in \$ _____	Total _____
TOTAL FOR FIRST TERM AND OPTION YEARS				\$ _____	A	\$ _____	B	\$ _____	C	\$ _____
GRAND TOTAL FOR FIRST TERM AND OPTION YEARS				\$ _____ A, B and C						

Solicitation No. - N° de l'invitation

W0105-13E063/A

Amd. No. - N° de la modif.

File No. - N° du dossier

PWB-3-36039

Buyer ID - Id de l'acheteur

pwb020

CCC No./N° CCC - FMS No/ N° VME

ANNEX "C"

INSURANCE REQUIREMENTS

ANNEX "C" INSURANCE REQUIREMENTS

Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, **but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.**
2. The Commercial General Liability policy must include the following:
 - (a) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - (b) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - (c) Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - (d) Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - (e) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - (f) Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - (g) Employees and, if applicable, Volunteers must be included as Additional Insured.
 - (h) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)

-
- (i) **Broad Form Property Damage including Completed Operations:** Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - (j) **Notice of Cancellation:** The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - (k) **If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.**
 - (l) **Owners' or Contractors' Protective Liability:** Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
 - (m) **Non-Owned Automobile Liability - Coverage for suits against the Contractor resulting from the use of hired or non-owned vehicles.**
 - (n) **Sudden and Accidental Pollution Liability (minimum 120 hours):** To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.

Solicitation No. - N° de l'invitation

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Buyer ID - Id de l'acheteur

pwb020

CCC No./N° CCC - FMS No/ N° VME

ANNEX "D" Complete List of Each Individual Who is Currently on the Board of Directors

NOTE TO BIDDERS

WRITE DIRECTORS SURNAMES AND GIVEN NAMES IN BLOCK LETTERS

Solicitation No. - N° de l'invitation

W0105-13E063/A

Amd. No. - N° de la modif.

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PWB-3-36039

Buyer ID - Id de l'acheteur

pwb020

CCC No./N° CCC - FMS No/ N° VME

ANNEX "E"

SPECIFICATION



**DEPARTMENT OF NATIONAL DEFENCE
5 ENGINEER SUPPORT SQUADRON
5 ENGINEER SUPPORT UNIT
CFB GAGETOWN**

SPECIFICATION

**SERVICE CONTRACT
INSPECTION AND MAINTENANCE OF
HEATING PLANT AND EQUIPMENT
AT MONCTON ARMOURY, NB AND
SUSSEX ARMOURY, NB
DATE OF AWARD TO 30 JUNE 2014
WITH OPTION TO RENEW
FOR TWO - ONE YEAR PERIODS**

Designed by

Fire Inspector

Project O

Engineering O

PF No:

Job No: L-M186-9900/84

Date: 2012-07-04

<u>Section</u>	<u>Title</u>	<u>Pages</u>
<u>Division 00 - Procurement and Contracting Requirements</u>		
00 21 13	Instructions to Bidders	9
<u>Division 01 - General Requirements</u>		
01 35 30	Health and Safety Requirements	3
01 35 35	DND Fire Safety Requirements	3
01 35 43	Environmental Procedures	1

Annexes

Annex A	Monthly Inspection Checklist	1
Annex B	Water temperature Control Chart	1
Annex C	Equipment List	3

PART 1 - GENERAL

- 1.1 Description of Work
- .1 The work under this Service Contract comprises the furnishing of all labour, material, tools, equipment and transportation required to provide heating plant operation, inspection and repair services as directed by the Engineer, CFB Gagetown, Oromocto, New Brunswick.
 - .2 Also included in the work will be the summer shutdown and cleaning of natural gas and oil fired boilers, gas fired hot water heaters, hot air furnaces and fall start up.
 - .3 Areas included in this Contract:
 - .1 Moncton Armoury, Moncton, N.B.;
 - .2 Sussex Armoury, Sussex, N.B.;
 - .3 Annex to the Military Family Resource Center, 110 Athlone Ave., Moncton, N.B.;
 - .4 Military Family Resource Center, 21 & 25 Bennett Ave., Moncton, N.B.;
 - .5 VIP Residence, 202 Dickson Blvd., Moncton, N.B.
 - .4 The period of this Service Contract is from Date of award to 30 June 2014 with the option to renew for two (2) one (1) year periods.

Note: Building Heating Systems (buildings) may be deleted at any time during the duration of this Contract.

- 1.2 Engineer
- .1 The Engineer, as defined and stated in this specification will be the Commanding Officer, 5 Engineer Support Unit or a designated representative.
 - .2 The address of the engineer is:

Contracts Officer
5 Engineer Support Unit
Building B-18 PO Box 17000 Stn Forces
Oromocto, New Brunswick E2V 4J5

Tel. (506) 422-2000 ext 2677
Fax (506) 422-1248

-
- 1.3 Site Visit .1 Before submitting a tender, it is suggested the Contractor visit the sites and acquaint themselves with all ascertainable conditions that may affect the work.
- 1.4 Liability Insurance .1 The Contractor shall provide proof of liability insurance in the amount of Two Million Dollars (\$2,000 000.00) to PWGSC before the award of this contract.
- 1.5 Documents Required .1 Maintain at the job site, one copy each of the following:
.1 specifications; and
.2 addenda.
- 1.6 Contractors Use of Site .1 Work site access will be directed by the Engineer.
.2 Movement around the site is subject to restrictions laid down by the Engineer.
.3 Do not unreasonably encumber the site with materials or equipment.
.4 When vehicles are to be parked, they will be backed into a parking space or risk being towed, at the owner's expense.
- 1.7 Power and Water Supply .1 DND can provide, free of charge, temporary electric power and water for servicing purposes related to this service contract only.
.2 Engineer will determine delivery points and quantitative limits. Engineer's written permission is required before any connection is made. Connect to existing power supply in accordance with Canadian Electrical Code.
.3 Provide, at no cost to DND, all equipment and temporary lines to bring these services to the work site.
.4 Supply of temporary services is subject to DND requirements and may be discontinued by the Engineer at any time without notice, or acceptance of any liability for damage or
-

-
- 1.10 Codes and Standards
- .1 Perform work in accordance with the National Building Code of Canada, Latest Edition, unless otherwise specified.
 - .2 Work to meet or exceed requirements of specified standards, codes and referenced documents.
 - .3 Contractor must be registered with WorkSafeNB.
 - .4 Observe and enforce safety measures required by the National Building Code, Provincial Government, Canada Labour Code Part 2 (including section 8.12 to 8.14 regarding lock-out procedures), WorkSafeNB; and Municipal Statutes and Authorities.
 - .5 In the event of conflict between any provisions of above authorities, the most stringent provision will apply.
- 1.11 Overloading
- .1 Ensure no part of work is subjected to a load which will endanger its safety or will cause permanent deformation.
- 1.12 Temporary Structures
- .1 The Contractor will furnish and maintain all equipment such as temporary stairs, ramps, ladders, scaffolds, hoists, chutes, etc, as may be required for the proper execution of the work.
 - .2 Temporary structures erected by the Contractor will be removed by them from the site on completion of the work.
- 1.13 Cutting, Fitting and Patching
- .1 Perform cutting, fitting and patching of materials when required to allow work to fit properly together.
 - .2 Where new work connects with existing and where existing work is altered, cut, patch and perform repairs to match existing work.
-

1.14 Clean Up .1 On completion of all work, remove all surplus materials, plant, tools, equipment, and debris, and leave the work site in a clean and tidy condition to the complete satisfaction of the Engineer. The Contractor will not remove any salvageable material or equipment from the job site without permission from the Engineer.

1.15 Work Requisition.1 The work to be performed when ordered by the Engineer is as follows:

.2 The Contractor will provide service during regular working hours on an 8 hour per day, 5 days per week basis, 0730 to 1600 hrs, Monday to Friday inclusive, also Emergency Service calls at any time during or after normal working hours, weekends and holidays.

.3 The Contractor will advise the Engineer of the telephone number or location at which they or their representative may be contacted at all times.

.4 The Contractor, on receipt of an acceptance of tender will be advised by the Engineer in writing, the names of persons authorized to request service. Work undertaken at the request of others will be entirely at the Contractor's risk with regard to payment.

.5 The Contractor will not refuse any call for service requested by the Engineer and will respond within 24 hours on normal service calls and 4 hours on emergency calls.

.6 When service is required, the Engineer will notify the Contractor and detail the job.

.7 The Contractor will proceed to the location of the job and carry out the work. The date and hours worked on each job will be shown as well as a notation that N/S parts have been returned.

.8 For emergency calls, the Contractor will proceed with the necessary work.

1.16 Basis of Payment.1 Work done under this Service Contract will be on a unit price basis. The Contractor will accept the payment as full consideration for

1.16 Basis of Payment.1
(Cont'd)

(Cont'd)
everything furnished and done by them in
respect of the work.

- .2 The Contractor shall note that heating plants are normally shut down during the period of the 15th of May to the 19th of September.
- .3 The Contractor will submit prices for the following in accordance with the specifications. Such prices will include transportation, tools, equipment, supervision, expenses and profit for Technicians, Trades Helpers and Supervision.
- .1 Rate per montly inspection of two natural gas boilers at Building no. 1 & 35 (estimated quantity 6).
- .2 Rate per montly inspection of two natural gas boilers at building no. 2 (estimated quantity 6).
- .3 Rate for monthly inspection of two natural gas boilers Building no. 47 (estimated quantity 8).
- .4 Rate for monthly inspection of two natural gas boilers and one natural gas fired hot water heater Building no. 48 (estimated quantity 6).
- .5 Rate for monthly inspection of two natural gas hot water boilers Building no. 60A (estimated quantity 6).
- .6 Rate for monthly inspection of one natural gas hot water boiler and one natural gas hot water heater, Building no. 66 (estimated quantity 6).
- .7 Rate for monthly inspection of one oil fired hot water boiler at Sussex Armoury (estimated quantity 6).
- .8 Rate for monthly inspection of one oil fired warm air furnace at 110 Athlone (estimated quantity 6).
- .9 Rate per location for annual inspection and cleaning of all natural gas and oil fired boilers, natural gas fired hot water heaters, and the oil fired hot air furnaces to be completed prior to heating season as listed in Annex C.
- .1 Building 1 and 35 (estimated quantity one)
- .2 Building 2 (estimated quantity one)
- .3 Building 41 (estimated quantity one)
- .4 Building 42 (estimated quantity one)

1.16 Basis of Payment.3
(Cont'd)

(Cont'd)

.9 (Cont'd)

.5 Building 47 (estimated quantity one)

.6 Building 48 (estimated quantity one)

.7 Building 60A (estimated quantity one)

.8 Building 66 (estimated quantity one)

.9 Sussex Armoury (estimated quantity one)

.10 202 Dickson (estimated quantity one)

.11 21 and 25 Bennett (duplex)

(estimated quantity one)

.12 110 Athlone Ave. (estimated quantity one)

.10 rate per hour for repair work during normal working hours (estimated at 200 hours).

.11 Rate per hour for emergency repairs after normal working hours, nights, Saturdays, Sundays, and holidays. (estimated at 100 hours per year)

.12 All materials will be invoiced Contractor's wholesale cost plus a percentage

of mark up. (estimated at \$20,000.00 per year) The Contractor will submit their percentage of mark-up for tender purposes. Copies of invoices for material must accompany the invoice for the work performed.

.4 Annual start up and shut down of heating systems will be performed on an as and when required basis at the Engineer's request and charged at the applicable labour rate.

.5 Time charged and the contract price of materials (if used) may be verified by Government Audit before and after payment.

.6 **Moncton Armouries is undergoing a reduction of infrastructure that will reduce the main Garrison area to two operational buildings; (Bldg MG47 and MG48). The timeline for this reduction is unclear as of the date of this tender, therefore bidders should be aware that significant reduction in the scope of this contract may take place at some point over it's first term, prior to an option year or during an option year. The contractor will be notified of any buildings or heating systems that are affected by this reduction as soon as**

1.16 Basis of Payment.6
(Cont'd)

(Cont'd)

the information is known. Sussex Armouries will not be affected. There will be no claim made by the contractor for loss of anticipated profit as a result of this infrastructure reduction.

1.17 Scheduled Inspections

- .1 All monthly inspections will be completed during the first week of each month.

1.18 Invoices

- .1 The original and one copy of the invoices covering all changes for each job and quoting the PWGSC Contract Number, will be submitted monthly to the Engineer.
- .2 Invoices will detail location and description of the work performed and list the material and hours used.
- .3 With each invoice for monthly and annual inspections there will be a checklist attached detailing what was inspected (as per Annex A) and what work is required and or recommended.

1.19 Workmanship

- .1 Perform work in accordance with standard trade practices.
- .2 The Engineer reserves the right to have removed from the work site those workers who do not possess certification as required by the Provincial Department of Public Safety.

1.20 Security Clearances

- .1 The Contractor shall maintain an up to date roster of technicians involved in the Contract including labourers. This roster shall be made available to the Engineer upon demand.
- .2 The Contractor shall provide proof of the information contained within the roster to the Engineer upon demand. The Engineer reserves the right to have removed from the site those personnel who do not meet security requirements, as laid down by the Military Police Identification Section.

- 1.21 Qualifications .1 All work will be performed by technicians who have possession of a valid HVAC license for the Province of New Brunswick, a G1-L Gas Technician License and a steamfitter - pipefitter license issued by the New Brunswick Department of Public Safety. Also, a certificate from the Heating, Refrigeration and Air Conditioning Institute of Canada that the Employee has successfully completed a course of studies in CFC/HCFC/HFC Control in the Refrigeration and Air Conditioning Industry and are an authorized Webster Burner and Weil-McLain Service Contractor.
- .2 Employees to be trained in the Workplace Hazardous Materials Information System (WHMIS) to a minimum level.
- .3 Contract will not be awarded without proof of licensing and Service Contractor Authorization.

PART 1 - GENERAL

- 1.1 References .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations.
- .2 Province of New Brunswick Occupational Health and Safety Act, S.N.B. 1983.
- .3 National Building Code of Canada, 2010.
- 1.2 Regulatory Requirements .1 Do work in accordance with the safety measures of the National Building Code of Canada 2010, the Canada Labour Code Part 2, the New Brunswick Occupational Health and Safety Act and WorksafesNB provided that in any case of conflict or discrepancy the more stringent requirements shall apply.
- 1.3 Responsibility .1 Contractor is responsible for the health and safety of all persons on site. Contractor is also responsible for the protection of property, persons and the environment on or adjacent to the site in so far as the work may affect these.
- .2 Contractor and all contractor's employees are to comply with all safety requirements specified in the Contract Documents as well as all applicable federal, provincial and local statutes, regulations, ordinances and with Contractor's site-specific Health and Safety Plan.
- .3 As outlined in the Canada Labour Code Part 2, the Contractor is responsible to provide a site-specific Health and Safety Plan that includes a Confined Space Entry Procedure in the event that work is deemed by the Engineer to be in a confined space. Work is not to begin until this Health and Safety Plan is submitted and approved by the Engineer.
- .4 CFB Gagetown Construction Engineering Branch employs a Lock Out/Tag Out program to prevent work related injuries due to electrical or mechanical systems being energized while personnel are working in or around these systems. The Contractor must respect these locks and tags when encountered. Do not
-

1.3 Responsibility .4
(Cont'd)

(Cont'd)
forcibly remove these locks and/or tags at any time. If the Contractor requires that these be removed to perform work, a request is to be made to the Engineer for such removal.

.5 As per the Canada Labour Code Part 2, it is the Contractor's responsibility to employ their own Lock Out/Tag Out program to ensure that equipment is not energized by other personnel while they are working in or around equipment.

.6 It is the Contractor's responsibility to ensure that all their employees are provided all Personal Protective Equipment (PPE) necessary to perform all work. Hard hats and safety glasses are to worn at all times along with shirts and long pants.

.7 Personnel working in, on or around moving equipment or roadways shall wear highly visible clothing.

1.4 Unforeseen .1
Hazards

Should any unforeseen or peculiar safety-related factor, hazard, or condition become evident during performance of work, the Contractor must have procedures in place to facilitate the Employee's Right to Refuse Work in accordance with Acts and Regulations of New Brunswick. The Contractor is to advise the Engineer verbally and in writing of any employee who exercises this right.

1.5 Correction .1
of Non-Compliance

Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by Engineer.

.2 Provide Engineer with written report of action taken to correct non-compliance of health and safety issues identified.

.3 Engineer may stop work if non-compliance of health and safety regulations is not corrected.

PART 1 - GENERAL

- 1.1 Reporting Fires
- .1 Know location of nearest fire alarm box and telephone, including emergency phone number.
 - .2 Report immediately all fire incidents to Fire Department as follows:
 - .1 Telephone 911.
 - .3 When reporting fire by telephone, give location of fire, name or number of building and be prepared to verify the location.
- 1.2 Interior and Exterior Fire Protection and Alarm Systems
- .1 Fire protection and alarm system will not be:
 - .1 obstructed;
 - .2 shut-off; and
 - .3 left inactive at end of working day or shift without authorization from Fire Chief.
 - .2 Fire hydrants, standpipes and hose systems will not be used for other than fire-fighting purposes unless authorized by Fire Chief.
- 1.3 Fire Extinguishers
- .1 Supply fire extinguishers, as scaled by Fire Chief, necessary to protect work in progress and contractor's physical plant on site.
- 1.4 Blockage of Roadways
- .1 Advise Fire Chief of any work that would impede fire apparatus response. This includes violation of minimum overhead clearance, as prescribed by Fire Chief, erecting of barricades and digging of trenches.
- 1.5 Smoking Precautions
- .1 Observe smoking regulations at all times.
- 1.6 Rubbish and Waste Materials
- .1 Rubbish and waste materials are to be kept to a minimum.
 - .2 Burning of rubbish is prohibited.

-
- 1.6 Rubbish and Waste Materials
(Cont'd)
- .3 Removal:
 - .1 Remove all rubbish from work site at end of work day or shift or as directed.
 - .4 Storage:
 - .1 Store oily waste in approved receptacles to ensure maximum cleanliness and safety.
 - .2 Deposit greasy or oily rags and materials subject to spontaneous combustion in approved receptacles and remove.
- 1.7 Flammable and Combustible Liquids
- .1 Handling, storage and use of flammable and combustible liquids are to be governed by the current National Fire Code of Canada.
 - .2 Flammable and combustible liquids such as gasoline, kerosene and naphtha will be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing Underwriters' Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable and combustible liquids exceeding 45 litres for work purposes requires permission of Fire Chief.
 - .3 Transfer of flammable and combustible liquids is prohibited within buildings or jetties.
 - .4 Transfer of flammable and combustible liquids will not be carried out in vicinity of open flames or any type of heat-producing devices.
 - .5 Flammable liquids having a flash point below 38° C such as naphtha or gasoline will not be used as solvents or cleaning agents.
 - .6 Flammable and combustible waste liquids, for disposal, will be stored in approved containers located in a safe ventilated area. Quantities are to be kept to a minimum and Fire Department is to be notified when disposal is required.
- 1.8 Hazardous Substances
- .1 Work entailing use of toxic or hazardous materials, chemicals and/or explosives, or otherwise creating hazard to life, safety or health, will be in accordance with National Fire Code of Canada.
-

PART 1 - GENERAL

- 1.1 General .1 Contractor will take all reasonable steps to ensure that they and their employees have complied with all pertinent legislation and have protected the environment.
- 1.2 Fires .1 Fires and burning of rubbish on site not permitted.
- 1.3 Disposal of Wastes .1 Do not bury rubbish and waste materials on site unless approved by Engineer.
.2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.
- 1.4 Spill Protection .1 The Contractor must have adequate clean up materials for any potential hazardous materials used in the completion of the work (ie. fuels,oils, lubricants, etc).
.2 Contractor must have an emergency response plan in place for spills/cleanup and disposal. A copy of this plan must be provided to the Engineer.
.3 In case of fuel or hydraulic leaks and or spills all mowers will carry adequate cleanup/absorbent material for immediate response.
.4 In the event of a spill the Contractor will immediately take corrective action to clean up the material and inform Engineer so the area can be checked.
.5 In the event of a spill over one litre of a hazardous material, the Contractor will immediately inform proper authorities at the Fire Hall(G3)at 442-2000 local 2106.

Annex A
Job No. L-M186-9900/84
2012-07-04

Monthly Inspection Check List

1. Check all operating equipment in the Heating/Boiler Rooms of the buildings listed.
2. Check all alarms in the Boiler Room ensuring they are in operating order.
3. Check chemicals in the boiler water in accordance with Annex B.
4. Mix and add chemicals as required.
5. Blow down boilers in accordance with Annex B.
6. Report any operational difficulties and all required repairs to the Engineer.
7. Remove and clean electrodes and replace if required.
8. Remove and clean oil tip and replace if required.
9. Maintain a log book in each location and make an entry indicating time and date of inspection and name of personnel. All problems, test results, special remarks, etc. are to be logged in the book.
10. Visual check of sump pump to ensure it is operating.
11. Remove and clean condensate traps.
12. Check flame signal strength.
13. Check aquastat, hi limit, LWCO and gas pressure switch operation and settings.
14. Check modulating and/or hi/low operating controls.
15. Check all circulating pumps for oil level, vibration and leaks.
16. Check pressure relief valves for leakage.
17. Visual check of fuel level. If meter indicates $\frac{1}{2}$ full or less, notify the Engineer. (MMFRC – 110 Athlone Ave. and Sussex Armoury)

Water Treatment Control Chart

1. Control test valves to be recorded on an appropriate record form. Proper control range is maintained by treatment disposal schedules and the rate of blow down.

<u>Test</u>	<u>Control Limits</u>	<u>Controlled</u>
MolyB Date "mo"	80-125 ppm	<80ppm, increase D-274 >125ppm, decrease D-274

- .1 Conductivity to be maintained between 2500-3500 mmho.
- .2 Special instructions:
 - .1 Follow regular blow down schedule (steam boilers only)

2. Start-Up

Add 22 litres of Dearborn 274 to each boiler for 1 day. Check mo level after 1 day. If mo reading is 80-125 ppm, reading is in correct range, proceed to maintenance section. If reading is less than 80 ppm, add 4 litres each day and test until reading is 80-125 ppm.

3. Maintenance: Steam Boilers only:

- .1 Once weekly blow down a total of 227 litres from the boiler that is operating. Add 3 litres of Dearborn 274 to the boiler via the feed water tank. Total dosage to each operating boiler: 6 litres/week.
- .2 Alternately, the weekly dosage can be added to the chemical mix tank and fed via the chemical pump.
- .3 If mo reading gradually increases, increase amount of blow down. If mo reading gradually drops, decrease amount of blow down.
- .4 Note: If boiler is on standby, do not blow down. Test and record mo level in all boilers weekly.

4. Dearborn 274 will be supplied by this Contractor.

Annex C
Job No. L-M186-9900/84
2012-07-04

Equipment List

Detachment Moncton 310, <u>Building no. 1 & 35</u>	.1	Two (2) natural gas boilers, Weil McLean Model Ultra Series No 3. (Monthly Inspection)
Detachment Moncton 310, <u>Building no. 2</u>	.1	Two (2) natural gas boilers, Weil McLean Model Ultra Series No 3. (Monthly Inspection)
Detachment Moncton <u>Building No. 41</u>	.1	Natural gas warm air furnace, Carrier, Series 110 Product 58MCB 120 11120, Serial No 4008A01678 115V, 60Hz, 1Ph (Monthly Inspection)
Detachment Moncton <u>Building No. 42</u>	.1	Natural gas warm air furnace, Carrier, Series 110 Product 58MCB 120 11120, Serial No 4008A01678 115V, 60Hz, 1Ph (Monthly Inspection)
Detachment Moncton <u>Building No. 47</u>	.1	Two (2) natural gas boilers, Lochinvar, Knight Commercial Boiler Mod. No KBN 800, Serial No L08H10089018 and Serial No L08H10089032 (Monthly Inspection)
Detachment Moncton <u>Building No. 48</u>	.1	Two (2) hot water boilers -Burnham Model CF 2300. c/w Webster – Cyclonetic natural gas burners, Model No. JB1G-07-RM789A-H.15-ULC/CSA, Serial No. ULC91789A-01 and Serial No. ULC91789A-02 (Monthly Inspection)
	.2	A O Smith – Cyclone – natural gas fired hot water heater, 60 gallon, Model No. BTH 120 100, Serial No. 0845M001105. (Monthly Inspection)
Detachment Moncton	.1	Two (2) hot water boilers - Smith Cast Iron Boiler, Model

<u>Building No. 60A</u>		No. 19 Series 7, Webster – Cyclonetic natural gas burner, JB1G-02-RM7897A-H.10-ULC/CSA, Serial No. ULC 90796A-01 and Serial No. ULC 90796A-02 (Monthly Inspection)
<u>Detachment Moncton Building No. 66</u>	.1	One (1) Hot Water Boiler -Burnham, Model No. CF 1400 c/w Webster – Cyclonetic natural gas burners, Model No. JB1G-05-RM789A-H.15-ULC/CSA, Serial No. ULC90396A-01. (Monthly Inspection)
	.2	A O Smith – Cyclone – natural gas fired hot water heater, 130 gallon, Model No. BTH 300A 100, Serial No. 0909M000674. (Monthly Inspection)
<u>Sussex Armoury</u>	.1	One (1) Oil Fired Hot Water Boiler, High Temp Hot Water Volcano, Starfire packaged Tube Boiler Serial No. 82655 40 HP HL-59-40F-01 (Monthly Inspection)
<u>Acadia Park - PMQ 202 Dickson Blvd</u>	.1	Natural gas warm air furnace, Carrier, Infinity 96 Model 58MVB060-F-1114, Serial No 2907A03600 115V, 60Hz, 1Ph (Monthly Inspection)
	.2	Natural gas hot water tank, Giant, 41.6 gallon capacity, 40,000 BTU, Model UG50-40LFPV-N1U, Serial No. A4944578. (Monthly Inspection)
<u>Family Resource Center 21 & 25 Bennett Ave.</u>	.1	Two (2) natural gas warm air furnaces, Carrier, Infinity 96 Model 58MVB060-F-1114, 115V, 60Hz, 1Ph., Serial No. 2907A03606 and Serial No. 2907A03727. (Monthly Inspection)
	.2	Two (2) natural gas hot water tanks, Giant, 41.6 gallon capacity, 40,000 BTU, Model UG50-40LFPV-N1U, Serial No. A4944578 and Serial No. A5113276. (Monthly Inspection)
<u>Family Resource Center</u>	.1	Oil fired warm air furnace, Jackson and Church Oil Fired

110 Athlone Ave.

Hi-Boy Type Furnace, Model No. OL-350-HB28
(Monthly Inspection)