

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal 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.

**Proposition 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 sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet Pesticides/Insecticides Support	
Solicitation No. - N° de l'invitation W0113-120264/A	Date 2013-04-23
Client Reference No. - N° de référence du client W0113-120264	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-212-6247	
File No. - N° de dossier TOR-2-35338 (212)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-05-09	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Shaw, Marian	Buyer Id - Id de l'acheteur tor212
Telephone No. - N° de téléphone (905) 615-2065 ()	FAX No. - N° de FAX (905) 615-2060
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE CFB Borden 16 Ramillies Rd - Bldg P-154 Borden Ontario L0M1C0 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

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

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Statement of Work

The Work to be performed is detailed under Article 2 of the resulting contract clauses.

3. 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 Manual*

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-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 (2012-11-19) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) 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 the province of Ontario.

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. Optional Site Visit

It is recommended that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for a tour of the work site. The site visit will be held on 01 May 2013, at 10:00 am, Contracts Conference Room, Room 234, 16 Ramillies Road (P-154), CFB Borden, Borden, Ontario. Bidders are requested to communicate with the Contracting Authority one (1) day(s) before the scheduled visit to confirm attendance and provide the name(s) of the person(s) who will attend. Bidders may be requested to sign an attendance form. Bidders who do not attend or send a representative will not be given an alternative appointment but they will not be precluded from submitting a bid. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid - (2 hard copies)

Section II: Financial Bid - (2 hard copies)

Section III: Certifications - (1 hard copy)

Section IV: Additional Information (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](#)

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the 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 certifications required under Part 5.

Section IV: Additional Information

1. Former Public Servant - Competitive Requirements

Contracts with former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, bidders must provide the information required below.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the Financial Administration Act, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means, a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c.C-17, the *Defence Services Pension Continuation Act*, 1970, c.D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c.R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c.R-11, the *Members of Parliament*

Retiring Allowances Act, R.S., 1985, c.M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes** () **No** ()

If so, the Bidder must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Reduction Program

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of a work force reduction program? **Yes** () **No** ()

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.
- (c) The evaluation team will determine first if there are three (3) or more bids with a valid Canadian Content certification. In that event, the evaluation process will be limited to the bids with the certification; otherwise, all bids will be evaluated. If some of the bids with a valid certification are declared non-responsive, or are withdrawn, and less than three responsive bids with a valid certification remain, the evaluation will continue among those bids with a valid certification. If all bids with a valid certification are subsequently declared non-responsive, or are withdrawn, then all the other bids received will be evaluated.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

Item No.	Mandatory Technical Criteria	Identify page number in your proposal where the information can be found
1	The bidder must have a minimum of 5 years documented experience in areal spraying. To demonstrate this experience the bidder must provide details related to the history and background of their company with their bid, at the time of bid closing.	
2	<p>The bidder must provide details of three (3) contracts performed that were similar* in scope, and size, related to aerial spraying of Mosquito Larvecide, with their bid at the time of bid closing. Details must include, the period of the contract, a brief work description, the value of the contract and name of the client.</p> <p>*Similar – for purpose of evaluation, means the extent of comparability in terms of scope, magnitude, operating environment and business sector.</p>	
3	<p>The bidder must provide a list of government recognized qualifications held by the company and its employees, with their bid at time of bid closing. This list must include, but not limited to:</p> <p>Department of Transport, Air Operators Certificate; Pesticides Operator License; Aerial Exterminator License.</p>	
4	<p>The bidder must provide copies of the following valid Certificates with their bid at time of bid closing. If any of these required certificates is not submitted with the bid, the Bidder will have 3 days to submit, upon request by PWGSC, or the bid will be deemed non-compliant.</p> <ol style="list-style-type: none"> 1. Department of Transport, Air Operators Certificate; 2. Pesticides Operator License; 3. Aerial Exterminator License. 	
5	The bidder must provide the type of helicopter to be used, complete with type of GPS system and blower application system, with their bid at time of bid closing.	

1.2 Financial Evaluation

1.2.1 Mandatory Financial Criteria

The Bidder must complete and submit Annex B, Basis of Payment in the format provided, with their bid at time of bid closing. Pricing must be provided in Canadian funds for the entire contract period for the Firm and Optional Requirements for year 1, 2, 3, 4 and 5.

1.2.2 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB destination, Canadian customs duties and excise taxes included.

1.2.3 Bids will be evaluated based on the prices detailed in Annex B - Basis of Payment. The price used in the evaluation will be the Total Aggregate Price for the entire contract period including the firm and optional requirements for year 1, 2, 3, 4 and 5.

2. Basis of Selection - Mandatory Technical Criteria

2.1 A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation 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, to provide the related documentation 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 as per section 01 of Standard Instructions 2003 for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation therein required will help Canada in confirming that the certifications are true.

2. Additional Certifications Precedent to Contract Award and Certifications Required with the Bid

Bidders must submit the certifications as provided below:

2.1 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.

2.1.1 Federal Contractors Program - Certification

Federal Contractors Program - over \$25,000 and below \$200,000

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;
- (d) () has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: _____.

Further information on the FCP is available on the HRSDC Web site.

2.2 Additional Certifications Required with the Bid

Bidders must submit the following duly completed certifications with their bid.

2.2.1 Canadian Content Certification

This procurement is conditionally limited to Canadian services.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the service offered is a Canadian service, as defined in clause A3050T, may be considered.

Failure to provide this certification completed with the bid will result in the service offered being treated as a non-Canadian service.

The Bidder certifies that:

() the service offered is a Canadian service as defined in paragraph 2 of clause A3050T.

2.2.2 Canadian Content Certification

SACC Manual clause A3050T (2010-01-11) Canadian Content Definition

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A".

3. 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 Manual*

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

3.1 General Conditions

2010C (2013-03-21), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

4. Term of Contract

4.1 Period of the Contract

The period of the Contract is from date of contract award to 31 March 2018.

4.2 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex A and Annex B of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Marian Shaw
Supply Specialist
Public Works and Government Services Canada
Ontario Region - Acquisitions
33 City Centre Dr., Mississauga, ON L5B 2N5
Telephone : 905-615-2065
Facsimile: 905-615-2060
E-mail address: marian.shaw@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.

5.2 Technical Authority (To be completed by Canada at contract award).

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : _____
Facsimile: _____
E-mail address: _____

The Technical Authority named above 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 Technical Authority, however the Technical 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.

5.3 Contractor's Representative *(To be completed by the Bidder).*

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

6. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

7. Payment

7.1 Basis of Payment - Firm Unit Price(s) or Firm Lot Price(s)

In consideration of the Contractor satisfactorily completing its obligations under the Contract, the Contractor will be paid the firm price(s) in accordance with the Basis of Payment at Annex B. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

For the firm price portion of the Work only, Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

7.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

7.3 Single Payments

SACC Manual clause H1000C (2008-05-12) Single Payment

7.4 SACC Manual Clauses

A9117C (2007-11-30) T1204 - Direct Request by Customer Department

8. Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

2. Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

9. Certifications

- 9.1** 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.

9.2 SACC Manual Clauses

A3060C (2008-05-12) Canadian Content Certification

10. Applicable Laws

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

11. 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) the general conditions 2010C (2013-03-21) General Conditions - Services (Medium Complexity);
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Insurance Requirements;
- (f) the Contractor's bid dated _____, as clarified on _____.

12. Defence Contract

SACC Manual Clause A9006C (2012-07-16) Defence Contract

13. SACC Manual Clauses

A9062C (2011-05-16) Canadian Forces Site Regulations

14. 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 ten (10) days after the date of award of the 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

Solicitation No. - N° de l'invitation

W0113-120264/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

tor212

Client Ref. No. - N° de réf. du client

W0113-120264

File No. - N° du dossier

TOR-2-35338

CCC No./N° CCC - FMS No/ N° VME

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.

ANNEX A

STATEMENT OF WORK

The documents are attached separately as follows:

1. Specification # L-B147-SC-168/13 - 16 Pages
2. Appendix 1 to Annex A - Aerial Application of Mosquito Larvicide and Areal Surveys - 1 Pages.
3. Drawing # L-B147-9101/12-101 - 1 Page.

ANNEX B**BASIS OF PAYMENT**

All prices are in Canadian funds including Canadian customs duties, excise taxes, F.O.B. Destination.

The prices below are an all inclusive firm lot price or firm hourly rate and includes but is not limited to: all labour, material (including Larvicide), tools, equipment, transportation, profit and overhead. The total amount of Goods and Services Tax or Harmonized Sales Tax is to be shown separately, if applicable.

Firm Requirement - Year 1 (2013)

Item #	Description	Qty	Firm Lot Price
1a)	Spring Aedes Mosquito Control Application for granular Bti, 1238 hectares (Application to be done soon after contract award in consultation with DND)	1	\$_____
1b)	Written Report (includes 2 copies) spring application	1	\$_____

Optional Requirement - Year 1 (2013)

Item #	Description	Qty	Firm Lot Price
2a)	Optional summer application to standing water (usually significantly less area than in the spring) of a Bt product for the control of Culex, summer Aedes mosquito larvae for 200 hectares	1	\$_____
2b)	Written Report (includes 2 copies) summer application	1	\$_____
3a)	Optional second application of a Bt granular product for control of summer mosquitoes if the threat of West Nile virus develops, i.e. Positive local mosquito pools and/or human cases, 200 hectares	1	\$_____
3b)	Written Report (includes 2 copies) second summer application	1	\$_____
4)	Helicopter Aerial survey for assessment of CFB Borden Property per Annex A. Survey based on approximately 8 hours. Price to be quoted is firm rate per hour.	1	\$_____/hour

Optional Requirement - Year 2 (2014)

Item #	Description	Qty	Firm Lot Price
1a)	Spring Aedes Mosquito Control Application for granular Bti, 1238 hectares. (usually around 22 April) Date to be confirmed through a Contract Amendment if option is exercised.	1	\$_____
1b)	Written Report (includes 2 copies) spring application	1	\$_____
2a)	Optional summer application to standing water (usually significantly less area than in the spring) of a Bt product for the control of Culex, summer Aedes mosquito larvae for 200 hectares	1	\$_____
2b)	Written Report (includes 2 copies) summer application	1	\$_____
3a)	Optional second application of a Bt granular product for control of summer mosquitoes if the threat of West Nile virus develops, i.e. Positive local mosquito pools and/or human cases, 200 hectares	1	\$_____
3b)	Written Report (includes 2 copies) second summer application	1	\$_____
4)	Helicopter Aerial survey for assessment of CFB Borden Property per Annex A. Survey based on approximately 8 hours. Price to be quoted is firm rate per hour.	1	\$_____/hour

Optional Requirement - Year 3 (2015)

Item #	Description	Qty	Firm Lot Price
1a)	Spring Aedes Mosquito Control Application for granular Bti, 1238 hectares. (usually around 22 April) Date to be confirmed through a Contract Amendment if option is exercised.	1	\$_____
1b)	Written Report (includes 2 copies) spring application	1	\$_____
2a)	Optional summer application to standing water (usually significantly less area than in the spring) of a Bt product for the control of Culex, summer Aedes mosquito larvae for 200 hectares	1	\$_____
2b)	Written Report (includes 2 copies) summer application	1	\$_____
3a)	Optional second application of a Bt granular product for control of summer mosquitoes if the threat of West Nile virus develops, i.e. Positive local mosquito pools and/or human cases, 200 hectares	1	\$_____
3b)	Written Report (includes 2 copies) second summer application	1	\$_____
4)	Helicopter Aerial survey for assessment of CFB Borden Property per Annex A. Survey based on approximately 8 hours. Price to be quoted is firm rate per hour.	1	\$_____/hour

Optional Requirement - Year 4 (2016)

Item #	Description	Qty	Firm Lot Price
1a)	Spring Aedes Mosquito Control Application for granular Bti, 1238 hectares. (usually around 22 April) Date to be confirmed through a Contract Amendment if option is exercised.	1	\$_____
1b)	Written Report (includes 2 copies) spring application	1	\$_____
2a)	Optional summer application to standing water (usually significantly less area than in the spring) of a Bt product for the control of Culex, summer Aedes mosquito larvae for 200 hectares	1	\$_____
2b)	Written Report (includes 2 copies) summer application	1	\$_____
3a)	Optional second application of a Bt granular product for control of summer mosquitoes if the threat of West Nile virus develops, i.e. Positive local mosquito pools and/or human cases, 200 hectares	1	\$_____
3b)	Written Report (includes 2 copies) second summer application	1	\$_____
4)	Helicopter Aerial survey for assessment of CFB Borden Property per Annex A. Survey based on approximately 8 hours. Price to be quoted is firm rate per hour.	1	\$_____/hour

Optional Requirement - Year 5 (2017)

Item #	Description	Qty	Firm Lot Price
1a)	Spring Aedes Mosquito Control Application for granular Bti, 1238 hectares. (usually around 22 April) Date to be confirmed through a Contract Amendment if option is exercised.	1	\$_____
1b)	Written Report (includes 2 copies) spring application	1	\$_____
2a)	Optional summer application to standing water (usually significantly less area than in the spring) of a Bt product for the control of Culex, summer Aedes mosquito larvae for 200 hectares	1	\$_____
2b)	Written Report (includes 2 copies) summer application	1	\$_____
3a)	Optional second application of a Bt granular product for control of summer mosquitoes if the threat of West Nile virus develops, i.e. Positive local mosquito pools and/or human cases, 200 hectares	1	\$_____
3b)	Written Report (includes 2 copies) second summer application	1	\$_____
4)	Helicopter Aerial survey for assessment of CFB Borden Property per Annex A. Survey based on approximately 8 hours. Price to be quoted is firm rate per hour.	1	\$_____/hour

ANNEX C

INSURANCE REQUIREMENTS

1. 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.

- I. 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.
- o. Litigation Rights: Pursuant to subsection 5(d) of the Department of Justice Act, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8

For other provinces and territories, send to:

Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

2. Aviation Liability Insurance

1. The Contractor must obtain Aviation Liability Insurance for Bodily Injury (including passenger Bodily Injury) and Property Damage, 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 \$5,000,000 per accident or occurrence and in the annual aggregate.
2. The Aviation 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, represented by Public Works and Government Services Canada.
- b. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
- c. 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.
- d. 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.
- e. Employees and, where applicable, Volunteers must be included as Additional Insured.
- f. Aviation Passenger Liability and inclusive Medical Payments: If sub-limits are applicable to Contractor's policy conforming to international carriage agreements or otherwise, such sub-limits must in any event be, not less than, \$300,000 per person. The per accident limit should be no less than \$300,000 multiplied by the number of passengers.
- g. 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.
- h. Employers Liability (unless we have confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
- i. Products and Completed Operations: To cover liability arising from the sale and service of aviation products, assembly and repair activities, in connection with the Work performed by or on behalf of the Contractor.
- j. Airport Tenants' Legal Liability Broad Form: To protect the Contractor for liabilities arising from its occupancy of leased airport premises.
- k. Non-owned Aircraft Liability: To protect the Contractor for liabilities arising from its use of aircraft owned by other parties including Canada.

3. Environmental Impairment Liability Insurance

1. The Contractor must obtain Pollution Legal Liability - Fixed Site Coverage 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. 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.
3. The Pollution Legal Liability - Fixed Site Coverage 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 as additional insured should read as follows: Canada, represented by Public Works and Government Services Canada.

- b. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
- c. Separation of Insureds: 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.
- d. 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.
- e. Incidental Transit Extension: The policy must extend to losses arising from any waste, products or materials transported, shipped, or delivered via any transportation mode to a location beyond the boundaries of a site at which the Contractor or any entity for which the Contractor is legally liable is performing or has performed the operations described in the contract.

4. Automobile Liability Insurance

- 1. The Contractor must obtain Automobile 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.
- 2. The policy must include the following:
 - a. Third Party Liability - \$2,000,000 Minimum Limit per Accident or Occurrence
 - b. Accident Benefits - all jurisdictional statutes
 - c. Uninsured Motorist Protection
 - d. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation



DEPARTMENT OF NATIONAL DEFENCE
BASE CONSTRUCTION ENGINEERING
CANADIAN FORCES BASE BORDEN

SPECIFICATION

CONTROL OF MOSQUITO LARVAE SPRING AEDES SPECIES

PROJECT OFFICER:

B. Brown

JOB NO: L-B147-SC-168/13

PF NO: 30070

APPROVED BY:

P. Clark
A/Contracts Officer

13-01-03



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LIST OF DRAWINGS

<u>DRAWING NO.</u>	<u>TITLE</u>	<u>DATE</u>
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Not Applicable

PART 1 - GENERAL INSTRUCTIONS

1.1 DESCRIPTION OF WORK

- .1 The work under this Contract covers one aerial application by helicopter of an insecticide for the control of Spring Aedes species mosquito larvae at CFB Borden, Ontario. Also included are pre and post treatment surveys, and preparation of a report.
- .2 The Contractor will be responsible for the supply of all materials (including the larvicide), equipment and labour to complete this Contract in the specified time.

1.2 DOCUMENTS REQUIRED

- .1 Documents:
 - .1 Contract drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Change orders.
 - .5 Current aerial applicators licence.
 - .6 Topographical map of the region 1:25000 scale.
 - .7 Labels from all pesticides used.

1.3 LOCATION OF THE SITE

- .1 CFB Borden is located on Country Road 90, 23 km west of Barrie, Ontario.

1.4 SITE ACCESS

- .1 Upon entering the Base, the Contractor has voluntarily consented to a search of his vehicle and its contents while on any part of CFB Borden and said military establishments, by the Base Commander or person designated by him.
- .2 The purpose of any search conducted is to ensure the security of CFB Borden and said military establishments, and/or material or classified information belonging to the Canadian Armed Forces.

1.5 WORK SCHEDULE

- .1 The Contractor will consult with the Natural Resources Office (NRO) regarding dates of application.
- .2 The Contractor must apply the insecticide to the area indicated by the Natural Resources Officer within twenty-four (24) hours after notification, subject to suitable weather conditions.
- .3 Application time is usually third week in April. This is a guide only. The 2013 program will depend on the development of mosquito larvae.

1.6 CONTRACTOR'S USE OF SITE

- .1 Normal military training will not be interrupted for the carrying out of the work under this contract. All personnel, including this Contractor will be denied access to the danger areas during period of training. The Contractor, must, during his preliminary examination of the site, consult with Range Control, or the NRO phone (705) 424-1200 extension 2925, as necessary to ascertain the times and areas involved, and must plan his work accordingly. The Contractor will not be entitled to additional payment for any interruption in his work caused by this training. The responsibility for obtaining information on proposed training will rest with the Contractor.
- .2 Do not unreasonably encumber site with materials or equipment.
- .3 Move stored products or equipment which interfere with operations of the Officer or other Contractors.
- .4 Landing sites in the Base area will be made available without charge to the Contractor, subject to the use of these areas for military training and as directed by the Flight Safety Officer through Site Authority.
- .5 Lodging is not available on site.
- .6 Potable water will be provided.

1.7 CODES AND STANDARDS

- .1 Perform work in accordance with any code of Provincial or local application provided that in any case of conflict or discrepancy, the more stringent requirements will apply.
- .2 Meet or exceed requirements of contract documents, specified standards, codes and referenced documents.

1.8 PROJECT MEETINGS

- .1 Hold project meetings at times and locations approved by Site Authority.
- .2 Notify all parties concerned of meetings.
- .3 Record minutes of meetings, and distribute to all parties within 7 days of meeting.

1.9 SCHEDULE OF QUANTITIES

- .1 Aerial application for control of Spring Aedes species mosquito larvae on 1238 hectares of the Base by helicopter.

1.10 LICENCES AND PERMITS

- .1 Comply with pesticide control regulations of Ontario Ministry of the Environment. Obtain all permits and licences necessary to complete the job in time specified. This includes required exemption permit from the Department of Transportation.
 - .2 Authority for overflight and landing of the helicopter at CFB Borden must be obtained through G3, Ops Air, CFB Borden, (705) 424-1200 extension 2036.
 - .3 The pilot of the helicopter must meet with the Base Operations Officer for briefing on flight instructions and other aspects of the operation.
-

PART 2 – GENERAL CONTRACT

2.1 DEFINITIONS OF AUTHORITY

- .1 Authority, Service Site (SSA): The Service Site Authority (SSA) is the Base Construction Engineering Officer (BCEO) or the designated representative located at Construction Engineering Contracts cell and is responsible for initiation of Contract Amendments, Specification Changes and Work Orders. As well, the SSA is responsible for aspects of compliance of the Contract and for overall inspection.
- .2 Site User: Is the NRO and is responsible for the day to day requests for service, as stipulated in this Contract.

2.2 SERVICE SITE AUTHORITY

- .1 The Service Site Authority (SSA) is located at building P-154, Contract Section, phone (705) 424-1200 extension 2610 or fax (705) 423-3460.

2.3 SITE VISIT

- .1 Before submitting a tender, the Contractor may visit the site of the project and acquaint himself with all ascertainable conditions that may affect his work and may consult the SSA regarding services available.

2.4 REPORTING

- .1 On arrival at Base Borden for service or repair work the serviceman must report to the NRO.
-

PART 1 - GENERAL

1.1 ACCESS

- .1 Provide and maintain adequate access to project site.

1.2 PARKING

- .1 Parking space will be made available on site.

1.3 WATER SUPPLY

- .1 Existing sources of water can be made available to the Contractor at no charge
- .2 No Requirement for hydro exists.

PART 1 – GENERAL

1.1 CONSTRUCTION
SAFETY MEASURES

- .1 Observe and enforce safety measures required by Provincial Government, Workplace Safety Insurance Board and municipal statutes and authorities.
- .2 In event of conflict between any provisions of above authorities the most stringent provision governs.

PART 1 – GENERAL

1.1 FIRE SAFETY PLAN

- .1 Contractors and their personnel must be familiar with this section and its requirements.

1.2 FIRE DEPARTMENT BRIEFING

- .1 The Officer to coordinate arrangements for the Contractor to be briefed on Fire Safety at their pre-work conference by the Fire Chief before any work is commenced.

1.3 REPORTING FIRES

- .1 Know the location of nearest fire alarm box and telephone, including the emergency phone number.
- .2 Report immediately all fire incidents to the Fire Department as follows:
 - .1 Activate nearest fire alarm box, or
 - .2 Telephone 911.
- .3 Person activating fire alarm box to remain at the box to direct Fire Department to scene of fire.
- .4 When reporting a fire by telephone, give location of fire, name or number of building and be prepared to verify the location.

1.4 INTERIOR AND EXTERIOR FIRE PROTECTION AND ALARM SYSTEMS

- .1 Fire protection and alarm systems must not be:
 - .1 Obstructed
 - .2 Shut-off
 - .3 Left inactive at the end of a work day or shift without notification and authorization from the Officer or his representative.
- .2 Fire hydrants, standpipes and hose systems must not be used for other than fire fighting purposes unless authorized by the Site Authority.

1.5 FIRE EXTINGUISHERS

- .1 The Contractor to supply fire extinguishers, as scaled by the Fire Chief, necessary to protect, in an emergency, the work in progress and the Contractors physical plant on site.

1.6 SMOKING PRECAUTIONS

- .1 Smoking is prohibited in all work places within DND buildings.
- .2 Although smoking is not permitted in hazardous areas, care must still be exercised in the use of smoking materials in non-restricted areas.

1.7 RUBBISH AND WASTE MATERIALS

- .1 Rubbish and waste materials are to be kept to a minimum.
- .2 The burning of rubbish is prohibited unless approved by the Fire Chief.
- .3 Removal:
 - .1 All rubbish to be removed from the work site at the end of the work day or shift or as directed.
- .4 Storage:
 - .1 Extreme care is required where it is necessary to store oily waste in work areas to ensure maximum possible cleanliness and safety.
 - .2 Greasy or oily rags or materials subject to spontaneous combustion must be deposited and kept in an approved receptacle and removed as required.

1.8 FLAMMABLE LIQUIDS

- .1 The handling, storage and use of flammable liquids are to be governed by the current National Fire Code of Canada.

- .2 Flammable liquids such as gasoline, kerosene and naphtha may be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing the Underwriter's Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable liquids exceeding 45 litres for work purposes, requires the permission of the Fire Chief.
- .3 Transfer of flammable liquids is prohibited within buildings.
- .4 Transfer of flammable liquids must not be carried out in the 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 must not be used as solvents or cleaning agents.
- .6 Flammable waste liquids, for disposal, must be stored in approved containers located in a safe ventilated area. Quantities are to be kept to a minimum and the Fire Department is to be notified when disposal is required.

1.9 HAZARDOUS SUBSTANCES

- .1 If the work entails the use of any toxic or hazardous materials, chemicals and/or explosives or otherwise creates a hazard to life, safety or health, work must be in accordance with the National Fire Code of Canada.
- .2 The Fire Chief is to be advised, and a "Hot Work" permit issued in all cases involving welding, burning or the use of blow torches and salamanders, in buildings or facilities. Special precautions are necessary to safeguard life and property from damage by fire or explosives.
- 3 Wherever work is being carried out in dangerous or hazardous areas involving the use of heat, fire watchers, equipped with sufficient fire extinguishers must be provided. The determination of dangerous or hazardous areas along with the level of precaution necessary for Fire Watch will be at the discretion of the Fire Chief. Contractors are responsible for providing fire watch service for their work on a scale established and in conjunction with the Fire Chief at the pre-work conference.

- .4 Where flammable liquids, such as lacquers or urethane are to be used, proper ventilation must be assured and all sources of ignition are to be eliminated. The Fire Chief is to be informed prior to and at the cessation of such work.

1.10 QUESTIONS AND/OR CLARIFICATION

- .1 Any questions or clarification on Fire Safety in addition to the above requirements must be directed by the SSA to and cleared through the Fire Chief.

PART 1 – GENERAL

1.1 FIRES

- .1 Fires and burning of rubbish on site not permitted.

1.2 DISPOSAL OF WASTES

- .1 Do not bury rubbish and waste materials on site.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.

1.3 POLLUTION CONTROL

- .1 Control emissions from equipment and plant to local authorities emission requirements.

PART 1 – GENERAL (NOT APPLICABLE)

PART 2 - MATERIAL AND EQUIPMENT

2.1 MANUFACTURER'S
INSTRUCTIONS

- .1 Comply with manufacturer's recommendations as to ambient temperatures for application of insecticide.
- .2 Comply with manufacturer's instructions on use of insecticides as specified on the product label.

2.2 STORAGE

- .1 Store and maintain packaged materials with manufacturer's seals and labels intact.
 - .2 Prevent damage, adulteration and soiling of material during delivery, handling and storage.
 - .3 Store material in accordance with supplier's instructions. Only the pesticide to be used in performance of this work must be stored on Base.
 - .4 Store insecticides in well ventilated, controlled access location approved by NR Team Leader.
 - .5 Store insecticides in original containers as supplied by manufacturer and keep sealed until used.
 - .6 Protective clothing must be made available by the Contractor ie. neoprene or rubber gloves, hat, boots, eye and respiratory equipment adequate to protect person from adverse effects of the pesticides stored in area. Equipment must be stored so that it does not become contaminated.
 - .7 Placards will be posted in the area where the larvicides are being stored bearing the words "**CHEMICAL STORAGE - WARNING - AUTHORIZED PERSONS ONLY**"
-

2.3 MATERIALS

- .1 Proposed material supplied by the Contractor:
Vectobac 200G, P.C.P. No. 18158, manufactured by Abbott Laboratories Ltd., Chemical and Agricultural Products Division, P.O. Box 6150, Montreal, Quebec, H3C 3K6 or equivalent. The Contractor must supply enough product to treat 1240 ha at the rate prescribed on the permit issued by MOE.

2.4 EQUIPMENT

- .1 Helicopter:
 - .1 Registered for the application of granular insecticides. To be fitted with an approved granular application system, such as a Simplex Granular Applicator, to be demonstrated to be calibrated to apply quantity specified in para 3.1.1.
- .2 Be fitted with differential Global Positioning System in good working order and AgNav or equivalent software.

PART 3 - EXECUTION

3.1 APPLICATION RATE

- .1 Aerial application for Spring Aedes mosquito species larvae:
 - .1 The rate of application of Vectobac 200G must be in accordance with the permit issued to the Contractor by MOE of product per hectare.

3.2 APPLICATION OF INSECTICIDES

- .1 Aerial application:
 - .1 Flight passes to be cross-wind with each successive pass, up-wind from previous pass.
 - .2 Space successive passes to give overlap in application, sufficient to provide uniform coverage of treated area.
- .2 Application must be made when the wind speed is less than 8 km/hour. This will be determined by weather data and/or a hand-held anemometer in co-operation with Natural Resources Team Leader.
- .3 Use flagmen or other aids as necessary to indicate successive flight paths.

- .4 Apply the granular insecticide only to standing water potential mosquito breeding sites.

3.3 REPORT

- .1 Within one week of completion of work, submit to Officer, 2 copies of a written report containing the following information:
 - .1 Brief history of past control program.
 - .2 Full name and registration number of insecticide products used.
 - .3 Types and makes of application equipment used.
 - .4 Total amount of insecticide applied and rate of application expressed in International Toxic Units (ITU) of active ingredients per hectare and in kilograms of product per hectare.
 - .5 Provide a schedule of application to include:
 - .1 Date(s).
 - .2 Times.
 - .3 Amount applied in kilograms.
 - .4 Area treated (ha).
 - .6 Summary of daily weather conditions during treatment.
 - .7 Pre-treatment larval counts from minimum of eight sites and post-treatment larval counts from same sites. Statement of efficacy based on sampling.
 - .8 Description of disposal techniques, total number of containers discarded for each product, exact location of disposal site.
 - .9 Photocopy of provincial applicator's licence and provincial pesticide project application permit.
 - .10 Name and social insurance number of all personnel involved in the spray application including handlers, mixers, pilots and flagmen.
 - .11 Hard copy of map showing treated area (flight lines), time, date, grid coordinates, boom width, at scale of 1:10,000. Also provide a digital copy which is a dwg file, compatible with AutoCAD 2009 and Excel.

3.4 DISPOSAL

- .1 The Contractor will be responsible for removing all larvicide containers from CFB Borden and their disposal at a site approved by the Ministry of the Environment.

Scope of Work - Aerial Application of Mosquito Larvicide and Areal Surveys

- A) Contractor must supply 1 helicopter with pilot including all labour, materials and tools, equipment and transportation required for aerial application by helicopter of mosquito larvicide, in accordance with the Specification # L-B147-SC-168/13 dated 13-01-03 for CFB Borden, Borden Ontario, and drawing # L-B147-9101/12-101 dated 2012-01-15.

Firm Requirement

1. Spring Aedes Mosquito Control, one application per spring (usually around 22 April or soon after contract award in consultation with DND) for granular Bti, 1238 hectares.

Optional Requirements

1. Spring Aedes Mosquito Control, one application per spring (usually around 22 April each year) for granular Bti, 1238 hectares.
2. Optional summer application to standing water (usually significantly less area than in the spring) of a Bt product for the control of Culex, summer Aedes mosquito larvae for 200 hectares.
3. Optional second application of a Bt granular product for control of summer mosquitoes if the threat of West Nile virus develops, I.E. positive local mosquito pools and/or human cases, 200 hectares.

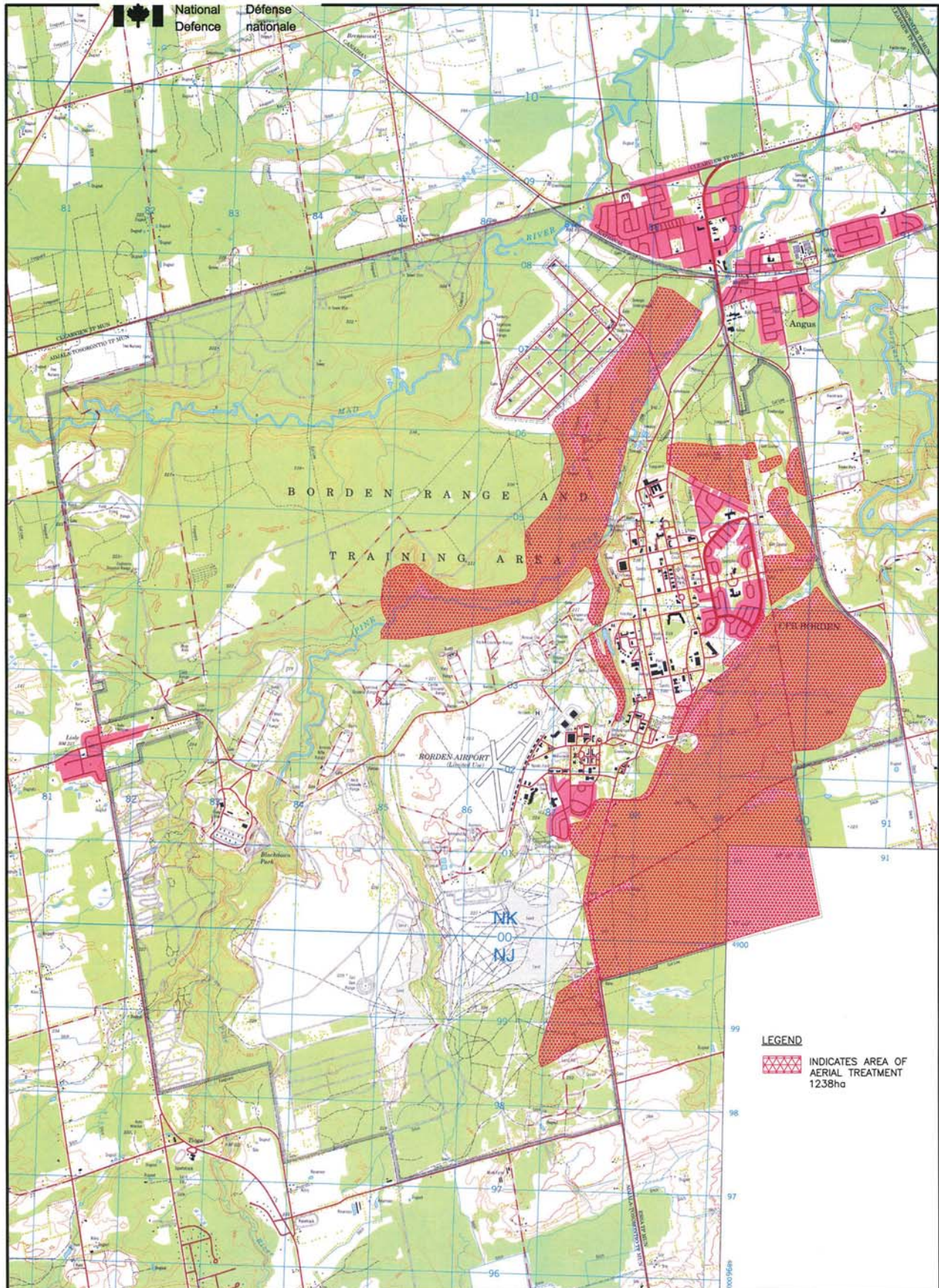
Optional Requirements

- B) Contractor must also provide 1 helicopter with pilot including all labour, material, equipment, and transportation to provide Helicopter Aerial surveys for assessments of CFB Borden Property.
1. Surveying to be provided in February to assess deer population.
 2. Survey must include three (3) personnel from CFB Borden to be supplied by DND. Two (2) DND personnel to be used as spotters and one DND personnel to act as the recorder.
 3. Survey to take approximately 8 hours broken down to include 3 hours positioning, 4 hours of survey time and 1 hour for fuelling costs.
 4. Helicopter to be provided must be an R44 capable of carrying pilot and 3 spotters which must be fuelled at the Stayner airport and flying time to and from airport must be included in the survey time which should total an 8 hour day for surveying.
 5. Pilot meals and pilot lodging must not be included in surveying costs.
 6. Flight path over CFB Borden property to be on parallel flight lines to cover entire 8026 hectares.

The helicopters must be of Canadian Registry, equipped with AgNay or similar program to enable the contractor to produce hard copy maps of all flight lines showing "booms on" and "booms off", digital files of maps will also be required which are compatible with DND's GIS.

SPECIAL INSTRUCTIONS

The Contractor must not proceed with the Optional Summer Application, Optional Second Summer Application or any other Optional Requirement until written orders are provided by DND and a Contract Amendment has been issued.



PROJECT: MUNICIPAL SERVICE
5 YEAR PLAN 2012-2017

SUBJECT: CONTROL OF SPRING
MOSQUITO

DATE: 2012-01-15

APPROVED:	
SCALE:	N.T.S.
PROJECT NO.:	1/1
DWG NO.:	L-B147-9101/12-101