



SOLICITATION AMENDMENT

RETURN BIDS TO:

Parks Canada Agency
 635 – 8 Avenue S.W., Suite 1300
 Calgary, Alberta T2P 3M3
 Bid Fax No.: (403) 292-4475

The referenced document is hereby amended: unless otherwise indicated, all other terms and conditions of the contract remain the same.

Issuing Office:

Parks Canada Agency
 635 – 8 Avenue S.W., Suite 1300
 Calgary, AB T2P 3M3

Comments:

Signed copy of this amendment is to accompany each tender.

Title: Parks Canada Garden River Contaminated Site Remediation Project; Wood Buffalo National Park, AB		
Solicitation No.: 5P420-13-5137/A	Amendment No.: 02	Date: January 16, 2013
GETS Reference No.: PW-13-00549075		
Solicitation Closes:		
At: 02:00 PM	On: January 22, 2014	Time Zone: Mountain Standard Time (MST)
Address Inquiries to: Adam Krisch		
Telephone No.: (403) 292-4560	Fax No.: (403) 292-4475	Email Address: adam.krisch@pc.gc.ca

TO BE COMPLETED BY THE BIDDER (type or print)

We hereby acknowledge receipt of the amended instructions and confirm that provisions therefore have been made in our bid.

Vendor/Firm Name	
Address	
Name of person authorized to sign on behalf of the Vendor/Firm	
Title	
Signature	Date



This amendment number one (01) is raised to summarize questions and answers from the bidders' teleconference held on January 09, 2014 and to amend the Request for Proposal accordingly.

1. Opening Remarks/ Introductions

2. Attendance

3. Requirement / Project Review

- There are two (2) components to this project, Project A which involves closing the old Garden River landfill and creating a new encapsulated landfill cell that will accept the waste from the old Garden River dump, and Project B which involves capping the currently active landfill and creating a new landfill cell that will service the community for a minimum of ten (10) years and with the potential for expansion.
- For Project A, bidders should assume the landfill cell receiving waste from the Garden River Old Dump should be a Class I given the lack of restrictions on materials placed in the dump old. However, the proposal should consider alternative strategies such as a class II facility with a hazardous waste diversion component.
- For project B, bidders should assume that there are no restrictions on materials accepted for disposal in the landfill and that a Class I landfill facility is necessary. However, the proposal should consider incorporating other suitable alternative waste management measures that are cost effective and that could change the requirement for a Class I facility to a Class II facility.
- Royal Military College (RMC) will be working closely with Parks Canada, Aboriginal Affairs and Northern Development Canada (AANDC), and Little Red River Cree Nation (LRRCN) on this project to provide project management and technical oversight and facilitate stakeholder consultations.
- One (1) of the requirements of the Contractor will be to participate in stakeholder meetings with the community and the other stakeholders so that the best solution can be determined moving forward.

4. Questions and Answers

4.1. Question 1:

Please confirm that no further environmental site assessment is required at the closed dump site, which does not appear to be part of *Annex A – Statement of Work*.

Answer:

No further environmental site assessment is required at the site of the Garden River old dump during the design phase. However, additional characterization of the waste may be required to confirm the requirement for a Class I facility and/or identify the feasibility of a Class II facility with a hazardous waste diversion component. All previous environmental site assessments have been included as appendices to *Annex A – Statement of Work*.

4.1.1. Follow-up Question 1:

Has the project description been completed?

Answer:

No. For this phase of the work there is no requirement for the Environmental Impact Assessment portion. Environmental Impact Assessment work will be a requirement prior to construction.

4.2. Question 2:

Please confirm that Highway 58 has been upgraded to an all weather access road into the community. If still only a winter road, what are the anticipated opening/closing dates?

Answer:

Highway 58 is quite a good all-season gravel road into Garden River.

4.3. Question 3:

Are there any recommended local firms in the community that could be partnered with for services such as snow clearing, brush cutting, etc. that may be required? Could such firms also provide staff to carry out routine



environmental monitoring support?

Answer:

Yes. For additional information regarding local firms in the community that could be partnered with, please contact Harvey Sewepagaham at the LRRCN band office (780-759-3912).

4.4. Question 4:

The Request for Proposal references that there is no accommodation in Garden River, with the nearest accommodation being in High Level, approximately 200 km away. A daily drive commute would not be feasible for delivery of an effective field program. Please advise what arrangements may be available for temporary location of mobile accommodation as a more cost-effective alternative to flying crews in daily.

Answer:

A form of mobile accommodation in the community is recommended. The Public Works yard can be used for mobile accommodations. Water and electrical hook-ups are anticipated to be made available to the Contractor. For more details, please contact Harvey Sewepagaham at the LRRCN band office (780-759-3912).

4.5. Question 5:

The assumption that the two (2) new landfills must be constructed to Class I standard places a significant future cost burden on Parks Canada. Please advise what discussions have taken place with the environmental regulator regarding this requirement and the extent to which they are willing and able to make concessions to design standards, given the remote location and low population of this project.

Answer:

There is the assumption that a Class I landfill facility is required for Project A based on the contents that have gone into the dump; however, the community desires consideration of moving from a Class I to a Class II if the appropriate strategies could be put in place to divert any hazardous waste. For Project B, a Class II landfill design with the appropriate waste management strategies is preferred.

4.5.1. Follow-up Question 1:

Are there any records available that characterize or identify any hazardous waste that may have gone into the old dump?

Answer:

No.

4.5.2. Follow-up Question 2:

How was it determined that there is hazardous waste in the old dump?

Answer:

The old dump was unregulated without a fence and without monitoring in place. Without monitoring and on the side of caution, the assumption that the old dump contains hazardous waste must be made. Potentially hazardous materials have been observed on-site. Additionally, previous site investigations have identified exceedances of CCME guidelines for inorganic and organic contaminants at the site of the Garden River Old Dump.

The currently active landfill is managed to encourage separation of items (i.e. there is a pile for batteries, white goods, vehicles are off to the side, etc.) but there is no monitoring in place to ensure that hazardous items have not been placed into the landfill. Additionally, there is uncontrolled access to the current landfill from outside the community.

For the purposes of Project B and the design phase of the new landfill for the community, the goal is to have it classified as a Class 2 landfill with a waste a waste diversion stream to ensure that the new landfill does not have the same issues as the current landfill.



4.5.3. Follow-up Question 3:

Are there any resources available to man a future landfill site to ensure that waste is segregated effectively?

Answer:

Such resources cannot be guaranteed at this point, but that is the plan moving forward.

4.6. Question 6:

Please confirm that all design tasks in respect of Projects A and B are intended to be completed within the same time frame.

Answer:

Yes. Both Project A and B should be completed at the same time.

4.7. Question 7:

What information will be made available to enable the Contractor to assess the ten (10) year capacity requirement of the new Garden River community landfill or will this figure be directed by Parks Canada or a community representative?

Answer:

A community representative is the best source of information. The current landfill is approximately five (5) years old which may assist in determining capacity and volume of waste generated. Determining the requirements over the next ten (10) years minimum is a requirement of this contract.

4.7.1. Follow-up Question 1:

Is there any compaction currently?

Answer:

No. There are opportunities to increase the life of the landfill through different approaches like compaction and waste diversion. Innovative approaches are welcome.

4.7.2. Follow-up Question 2:

Why is the new Garden River community landfill being limited to a ten (10) year capacity?

Answer:

A ten (10) year minimum capacity was determined as a starting point. Perhaps in ten (10) years the community could have a different waste strategy in place, e.g. a waste transfer station, but that is currently not a feasible option.

4.8. Question 8:

Please confirm that the three (3) monitoring wells referred to at the end of 4.12. *Task 1.2 Ground Water Characterization of Annex A – Statement of Work* are additional to the six (6) wells referred to under 4.1.1. *Task 1.1. Install up to 6 additional monitoring wells.*

Answer:

The three (3) monitoring wells are in addition to the other six (6) to help establish some background concentrations for the project. The number of wells should follow the provincial regulations and six (6) monitoring wells may not be the appropriate number for the actual landfill site.

4.8.1. Follow-up Question 1:

Are the three (3) monitoring wells functional?

Answer:

No. The three (3) monitoring wells at currently active landfill are not functional.



4.8.2. Follow-up Question 2:

Since the current three (3) wells are not serviceable/ functional, will the Contractor be required to properly abandon the three (3) wells?

Answer:

Yes.

Resulting Amendment to the Work:

Under 4.1.1. Task 1.1. Install up to 6 additional monitoring wells at Annex A – Statement of Work:

Delete:

Based on the preliminary borehole logs, and previous investigations, up to 6 new monitoring wells are to be installed on the subject property. The monitoring well installation logs must provide sufficient information regarding surficial soils to support a Class I landfill design. The monitoring well installations should be designed to establish both vertical and horizontal gradients. Nested well installation should be considered in at least two of the monitoring wells. Construction of all monitoring wells shall be done in accordance with all applicable requirements as set out in Part 7 of the current version of the Water (Ministerial) Regulation (Alberta Regulation 205/98, including 2013 amendments).

Insert:

Based on the preliminary borehole logs, and previous investigations, up to 6 new monitoring wells are to be installed on the subject property. The monitoring well installation logs must provide sufficient information regarding surficial soils to support a Class I landfill design. The monitoring well installations should be designed to establish both vertical and horizontal gradients. Nested well installation should be considered in at least two of the monitoring wells. Construction of all monitoring wells shall be done in accordance with all applicable requirements as set out in Part 7 of the current version of the Water (Ministerial) Regulation (Alberta Regulation 205/98, including 2013 amendments). Task 1.1 will include the decommissioning of the three damaged wells previously installed by EBA.

4.9. Question 9:

Is there a language component to the work considering the community of Garden River speaks Cree as a first language?

Answer:

No. All work will be conducted in English. A translator will not be required within the community.

4.10. Question 10:

Is there a percentage quota of local contractor firms and labour that Parks Canada or the community would desire for the Bidders to achieve?

Answer:

No. There is no quota set; however, it is preferred that the community be involved with some opportunities and that there are some economic benefits for the community.

4.11. Question 11:

The required number of boreholes for the hydrogeological drilling program mentioned in the Request for Proposal is not in compliance with the required number of holes as per the provincial regulations. Can this be explained, or is this an error?

Answer:

The number of boreholes for the geotechnical siting and the number of monitoring wells for the hydrogeological assessment and long-term monitoring should meet provincial regulations to the extent feasible.



4.11.1. Follow-up Question 1:

As provincial regulations must be met, on the new landfill site where it is proposed that the new landfill will be built, has that site been investigated to determine that it is an appropriate location and has the location of the new landfill site actually been determined?

Answer:

The new landfill site was identified as part of the remediation options analysis that was done for moving the old Garden River dump to that particular site.

4.11.2. Follow-up Question 2:

For all the site investigation work, if Alberta regulations must be met with respect to the landfill site investigation where a certain number of holes must be drilled to a certain depth, has that aspect of the work already been completed?

Answer:

No. The first task of this project will be to conduct additional site characterisation and monitoring to confirm the suitability of the site and support the final landfill cell design.

4.11.3. Follow-up Question 3:

Will the detailed site investigations for the landfill cell be required?

Answer:

Yes. The Contractor must acquire the information necessary to confirm that this is an appropriate site and to support the final landfill cell design including monitoring activities for the new and decommissioned landfill cells.

4.11.4. Follow-up Question 4:

Alberta regulations require that boreholes be drilled at a 200m spacing minimum for a site investigation so the size of the new landfill will determine the number of boreholes required and the depth of those holes. The investigations wells and not necessarily monitoring wells. The investigation wells will determine if the site is appropriate from a hydrogeological standpoint. For the new landfill site, are you expecting the Contractor to do the site investigation work per Alberta regulations? Has the siting for the new landfill site been done in accordance with Alberta regulations?

Answer:

No, the sitings for the new landfill has not been done in accordance with Alberta regulations. Yes, there should be some investigation done of the site where the material will be moved in accordance with Alberta regulations in order to determine if that site is an appropriate location.

Resulting Amendment to the Work:

Under *Project B* of 2. *Project Scope at Annex A – Statement of Work:*

Delete:

The scope of the project is to include a comprehensive hydrogeological investigation, groundwater monitoring program, and all material related to the design, operation and closure of the landfill design activities described in Project A and Project B.

Insert:

The scope of the project is to include a geotechnical site assessment to confirm the long term suitability of the site for the proposed landfill activities as well as a comprehensive hydrogeological investigation, groundwater monitoring program, and all material related to the design, operation and closure of the landfill design activities described in Project A and Project B.



4.11.5. Follow-up Question 5:

Are there borehole logs available for the three (3) holes that were drilled and could they be made available?

Answer:

Yes. Borehole logs and all site investigations are provided in the appendices to the Statement of Work.

4.11.6. Follow-up Question 6:

Once the site investigation work has been completed in accordance with Alberta regulations and if the site is not found to be suitable, what options are available?

Answer:

If the site is found to not be suitable and a solution to render it useable cannot be found, there are a number of sites nearby that could potentially be used. This is the site that has had some investigation done and where the current landfill was selected. There have been a number of cells on that location and it has been selected with the community's assistance. If it were determined that the site was not appropriate, it would be a matter of working with the community to select a new site.

4.11.7. Follow-up Question 7:

It is possible that the site is not suitable per Alberta regulations; however, it could be feasible to make it suitable using alternative technologies. Is this a suitable route?

Answer:

Suggestions and alternative technologies are acceptable.

4.11.8. Follow-up Question 8:

If alternative technologies are accepted then there will be a deviation from Alberta regulations as the regulations do not allow for alternative technologies. Is deviation from Alberta regulations acceptable?

Answer:

Yes. Alberta regulations should be followed to the extent that it is practicable and feasible given the remoteness and suitability of the site and suitable alternative technologies can be proposed. The Contractor must ensure that there are no significant negative impacts to the community, to ground water, to the environment, etc.

Resulting Amendment to the Work:

Under Project B of 2. Project Scope at Annex A – Statement of Work:

Delete:

Although provincial approval is not required, Project A and Project B must adhere to all Government of Alberta Government of Alberta (GOA) Standards for Landfills (<http://environment.gov.ab.ca/info/library/7316.pdf>) and the GOA Code of Practice for Landfills (<http://www.qp.alberta.ca/documents/codes/landfill.pdf>).

Insert:

Although provincial approval is not required, Project A and Project B should, to the extent that it is practicable and feasible, adhere to all Government of Alberta Government of Alberta (GOA) Standards for Landfills (<http://environment.gov.ab.ca/info/library/7316.pdf>) and the GOA Code of Practice for Landfills (<http://www.qp.alberta.ca/documents/codes/landfill.pdf>). However, suitable alternative technologies can be proposed.

4.11.9. Follow-up Question 9:

Is this work for the design of new landfill cells and not for siting of a new landfill?



Answer:

No. The work is for the design the new landfill cells and siting of a new landfill.

4.11.10. Follow-up Question 10:

Are the six (6) monitoring wells foreseen as long-term monitoring locations in that they would be outside the actual cell design area, or would some of them be inside the cell design area and that they would be destroyed during cell construction and that additional monitoring wells would be installed after the cell construction is completed?

Answer:

The monitoring wells are envisioned as being for long-term monitoring.

4.11.11. Follow-up Question 11:

How did the original three (3) monitoring wells no longer become in service and what is to prevent the same from happening to future wells? Were they damaged by the community, were the wells properly sealed and contained?

Answer:

The original wells were damaged. There is no information regarding if the wells were properly sealed and contained. New wells are intended for long-term monitoring and will need to be locked down and developed in such a way as to prevent tampering. Vandalism does occur, but the community is closely involved with this project and the hope is to have people in the community who are helping to do some of the monitoring work and be monitoring the site.

4.11.12. Follow-up Question 12:

In regards to sampling, the Request for Proposal states that it is to be bi-monthly. Does that mean once every two (2) months or twice per month?

Answer:

Once every two (2) months or as much as it required to determine the exact sighting for the landfill cell.

4.11.13. Follow-up Question 13:

Is it possible to propose an alternative sampling protocol which could be more valuable in getting good data?

Answer:

Yes.

4.11.14. Follow-up Question 14:

Is there any specific reason for having the monitoring wells installed by mid-March?

Answer:

Yes. Due to government funding and the fiscal year-end and the sooner the wells are installed, the sooner data can be collected to determine the information required to build the landfill cell.

4.12. Question 12:

Could you confirm the mandatory technical criteria as stated at *1. Mandatory Technical Criteria of Annex D – Technical Evaluation* that "The bidder must demonstrate ... a minimum of ten (10) years of cumulative experience in decommissioning and designing landfills according to the Government of Alberta standards and guidelines for landfills and code of practice for landfills." Bidders may have significant cumulative experience in decommissioning and designing landfills according to many different standards and guidelines. Does it all need to be based on Alberta standards? Bidders may have other significant experience in the Territories for example.

Answer:

Not all experience must be according to the Government of Alberta standards. Experience in other provinces and



territories is suitable and particularly any experience in remote environments.

Resulting Amendment to the Evaluation:

Under 1. Mandatory Technical Criteria at Annex D – Technical Evaluation:

Delete:

Item No.	Evaluation Criteria
1.	The bidder must demonstrate that personnel completing the hydrogeological investigations, groundwater monitoring programs, and activities related to the design, operation and closure of landfill facilities have a minimum of ten (10) years of cumulative experience in decommissioning and designing landfills according to the Government of Alberta standards and guidelines for landfills and code of practice for landfills.

Insert:

Item No.	Evaluation Criteria
1.	The bidder must demonstrate that personnel completing the hydrogeological investigations, groundwater monitoring programs, and activities related to the design, operation and closure of landfill facilities have a minimum of ten (10) years of cumulative experience in decommissioning and designing landfills.

4.13. Question 13:

Can you please confirm the General Conditions referenced in 3.1. *General Conditions* under Part 6 – *Resulting Contract Clauses* will apply to this contract despite the fact that they have been superseded by a newer version?

Answer:

Yes. The dates indicated are correct and the older version applies to both 3.1. *General Conditions* under Part 6 – *Resulting Contract Clauses* and 1. *Standard Instructions, Clauses and Conditions* under Part 2 – *Bidder Instructions* of the Request for Proposal.

4.14. Question 14:

Is it an error that 9. *Applicable Laws* under Part 6 – *Resulting Contract Clauses* references the laws of British Columbia rather than Alberta?

Answer:

Yes. This is an error. The laws of Alberta will apply to the resulting contract.

Resulting Amendment to the Contract:

Under 9. *Applicable Laws of Part 6 – Resulting Contract Clauses:*

Delete:

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

Insert:

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



5. Round Table

5.1. Question 1:

Is there topographic survey information currently available of the old and current landfill sites?

Answer:

Only the information provided in the appendices to the Statement of Work.

5.2. Question 2:

For the design of the new landfill it is not explicitly stated that a survey is required, will the Contractor be required to conduct a survey?

Answer:

Yes. That would be a part of developing the design.

5.3. Question 3:

Is there a budget for the project?

Answer:

Yes; however, that figure cannot be released.

5.4. Question 4:

Is there a holdback on invoice payments?

Answer:

Yes. There is a 25% holdback on invoice payments.

5.5. Question 5:

Is invoicing to be done monthly or are there only three (3) milestone payments under the contract?

Answer:

Invoices are to be submitted in accordance with the schedule of milestones and not on a monthly basis.

5.6. Question 6:

When is the 25% balance of the holdback to be paid?

Answer:

The balance of the amount payable will be paid upon completion and delivery of all work required under the contract if the work has been accepted by Canada and a final claim for the payment is submitted.

5.7. Question 7:

Has the funding for the next fiscal year been approved?

Answer:

All the funding for this contract has been approved.

5.8. Question 8:

Task 2.5. Develop Monitoring Plan discusses developing a monitoring plan for new or decommissioned landfill facilities. Does decommissioned refer to the current landfill and not the old dump which is 3km away?

Answer:

The current active landfill which is being decommissioned.

5.9. Question 9:

Will all the planned meetings be held in Garden River?



Answer:

Primarily Garden River, AB but some meetings may occur in High Level, AB. Bidders should assume that all meetings will be held in Garden River for bidding purposes.

Resulting Amendment to the Basis of Payment:

Under 2. Travel and Living Expenses at Annex B – Basis of Payment:

Delete:

Assumptions for Bidding Purposes:

- (a) The Bidder should allow for the following meetings:
 - i. One (01) on-site meeting and one (01) client meeting to present and discuss monitoring well design recommendations (under 4.1.1. Task 1.1. Install up to 6 Additional Monitoring Wells of the Statement of Work at Annex A);
 - ii. One (01) client meeting to present and discuss monitoring program design (under 4.1.2. Task 1.2. Groundwater Characterization of the Statement of Work at Annex A);
 - iii. One (01) client meeting to present and discuss design requirements (under 4.2.1. Task 2.1. Confirm Landfill Requirements of the Statement of Work at Annex A); and
 - iv. One (01) client meeting to present and discuss design Recommendations (under 4.2.2. Task 2.2. Develop Landfill Design Drawing and Specifications of the Statement of Work at Annex A)

Insert:

Assumptions for Bidding Purposes:

- (a) The Bidder must allow for the following meetings in their financial bid:
 - i. One (01) on-site meeting and one (01) client meeting to present and discuss monitoring well design recommendations (under 4.1.1. Task 1.1. Install up to 6 Additional Monitoring Wells of the Statement of Work at Annex A);
 - ii. One (01) client meeting to present and discuss monitoring program design (under 4.1.2. Task 1.2. Groundwater Characterization of the Statement of Work at Annex A);
 - iii. One (01) client meeting to present and discuss design requirements (under 4.2.1. Task 2.1. Confirm Landfill Requirements of the Statement of Work at Annex A); and
 - iv. One (01) client meeting to present and discuss design Recommendations (under 4.2.2. Task 2.2. Develop Landfill Design Drawing and Specifications of the Statement of Work at Annex A)
- (b) The Bidder must assume that all meetings identified will occur in Garden River, AB.

5.10. Question 10:

What would happen if no proposals were received within the project budget?

Answer:

Additional funding would be requested to attempt to move forward at the price submitted in the financial bid of the successful bidder.

5.11. Question 11:

What is the percentage of contingency that is being carried on this project?

Answer:

15%.

5.12. Question 12:

Once the design is completed, will the construction component be tendered as a separate project?

Answer:

Yes.



5.13. Question 13:

Who will become the construction manager?

Answer:

The contracted firm would be the construction manager but RMC would provide technical oversight.

5.14. Question 14:

Can an estimate be provided as to when the construction component will commence?

Answer:

Although it is dependent on what is discovered during this design and investigation phase, ideally the construction phase would commence winter/spring of 2015.

5.15. Question 15:

Is it planned that the two (2) cells be built at the same time or staggered?

Answer:

Ideally at the same time but it may be that the Garden River old dump remediation work under Project A move forward first.

6. Closing

All other terms and conditions remain the same.