



February 22, 2016

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Reference Number: ENV2015-P494

## Request for Proposal - Contaminated Soil Remediation

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### Introduction

Enviromarc Services Ltd. (Enviromarc), on behalf of our client, invites you to submit a request for proposal (RFP) for Remediation and/ or equipment services for a site located approximately 30 km west of the City of Grande Prairie. The contractor will review this RFP for background information, site information as well as the scope of work. All work will be completed under the supervision of Enviromarc.

### Background Information

The site was formerly a poultry processing facility from the 1980s until it closed in 2007. During that time, feathers, non-biohazardous waste, and incinerator ashes were disposed of in six separate landfill cells that are in the northwest portion of the site. Recent investigation also noted chicken carcasses and potential biohazardous waste within the landfill cells. The area to the southeast of the landfill area was identified as the landfill overflow area, and in recent investigations stressed vegetation was noted. There was also an active waste water treatment system, which gathered waste water from the processing activities and collected within septic tanks. These were then pumped out to the land filtration mass (LFM), which was then collected within the lagoon and then discharged. There was a small area on the west side of the site that was also noted to have stressed vegetation and was marked as the LFM overflow area. A decommissioned fuel shed with a tank inside was noted in an investigation. The fuel shed contains a variety of small fuel containers and lubricants. Signs of spillage were apparent inside, under and around the building.

A Phase II Environmental Site Assessment and a Supplemental Phase II Environmental Site Assessment was previously completed and identified a number of Areas of Potential Environmental Concern (APECs) along with a number of Contaminants of Potential Concern (CoPCs). Below is a summary of the APECs and CoPCs;

**Table 1: Summary of APECs and CoPCs**

| APECs                  | CoPCs  | Approximate Impacted Material (tonnes) |
|------------------------|--|--|
| Former Landfill Cells  | Toluene, Salinity, E.coli and Total Coliforms                                  | 2600                                   |
| Fuel Shed              | Benzene, Ethylbenzene, PHC Fractions F1, F2 and F3, E.coli and Total Coliforms | 1700                                   |
| LFM Overflow Area      | Salinity   | 170                                    |
| Landfill Overflow Area | E.coli and Total Coliforms   | 2040                                   |
| East of Barn           | Total Oil and Grease and E.coli and Total Coliforms                            | 450                                    |

A total of approximately 6960 tonnes of impacted material is expected to require remediation. The site contains more than enough land area that can be used for ex situ bioremediation, if that is proposed, to take place on site.

The Phase II Environmental Site Assessment and a Supplemental Phase II Environmental Site Assessment will be made available for review at the Enviromarc Offices.

### **Physical Setting**

Borehole logs indicated topsoil within the top 0.5 m of cover. A clay and/or silty clay lie beneath that from approximately 0.3 m to 3.0 m bgl. Clay till underlay clay/ silty clay to the maximum depth of investigation at approximately 10.5 m bgl. Bedrock (weathered shale) was encountered in two (2) boreholes at approximately 6 m bgl.

The current depth to groundwater is approximately 5.296 m below top of casing. The groundwater flow direction is considered to generally flow to the southeast with an average hydraulic gradient of 0.02 m/m.

### **Scope of Work**

The goal of this project is to complete remediation of historical impacted soils, and to satisfy the requirements of the AEP, under the Alberta Tier 1 and Tier 2 Remediation Guidelines.

Due to the scale and nature of this project, it is preferred that in/ ex-situ remediation be completed to avoid large disposal and transportation costs associated with a landfill disposal. However, all proposals will be considered.

Proposals should include all elements necessary for completion of the remediation including any necessary characterization, remediation strategy design, report preparation, implementation and potential operation and maintenance.

Unless specified otherwise, all material, labor and equipment shall be furnished by the Contractor. The Contractor shall be responsible for all materials and equipment in its custody or placed in construction by it.

The scope of work includes, but is not limited to;

- Complete review of RFP and request any clarification or questions.
- Provide information on proposed techniques, additives and bioremediation plan.
- Include equipment needed/ being provided.
- Provide proposed timelines and major project milestones, including any public consultation or stakeholder engagement.
- Remediate all impacted areas.

### **Project Schedule**

The project is to start by May 1, 2016 and will be considered complete once acceptable guidelines have been reached. These will be agreed prior to commencement of the project by way of an agreed work plan. Enviromarc is interested in exiting the site in a short time period and is willing to entertain aggressive technologies if short remediation times can be accomplished. Finally, Enviromarc is very interested in reviewing any and all proposals generated from this RFP.

**Area of Work**

It is anticipated that work will be completed primarily within the property of the Site. Agreements are currently in place with our client for work to be completed on the Site.

**Performance and Confidentiality**

The successful candidate will work closely with Enviromarc, and all work shall be kept confidential until disclosure is authorized by our Client.

**Health and Safety Guidelines**

All contractors working at the Site will be subject to the provisions of Enviromarc's Site Health and Safety Program. All contractor employees performing work at the Site are required to have completed any specific equipment certification which includes but is not limited to, ground disturbance and Heavy Equipment Operator certification. All contractor employees will also be required to be familiar with the Site Health and Safety Program and to participate in daily safety meeting and tailgate meetings.

**Guarantees, Warranties and Bonds**

The Contractor shall guarantee all work under this agreement for a period of one year from project completion, unless otherwise indicated. Contractor will leave the work in perfect order at completion of the work and the final certificate of payment shall not relieve him of the responsibility for negligence, faulty materials, or workmanship. Upon written notice, the contractor shall remedy any defects or workmanship that may appear during this time hereinbefore mentioned and pays all expenses due there from to the entire satisfaction of Enviromarc.

**Permits and Fees**

The contractor is responsible for all transferable fees and permit costs in the Proposal.

**Selection Criteria**

Enviromarc, on behalf of our client, will award the contract based on cost, qualifications and experience, and schedule availability. Bids will be evaluated based on the bidder's qualifications and ability to complete the project in a timely manner. Costs will be evaluated based on the proposed unit rates for each project task. The successful bidder will be required to complete the tasks to the satisfaction of Enviromarc within the proposed time and costs. No change orders will be allowed for tasks that stay within the proposed scope of work. An increase or a decrease in the quantity of an item of work does not constitute a change in scope.

**Additional Information**

- Please respond with intent to submit proposal no later than February 25, 2016 at 12:00 pm.
- A pre-bid site visit has been arranged for February 26, 2016 at 2 pm at the site. Please contact the appropriate personnel listed under contacts to obtain Site location and confirm attendance.
- Respond with initial RFP question by February 29, 2016 by 12:00 pm.
- Please have complete proposal submitted by March 7, 2016 by 12:00 pm.
- Contractor will be selected by end of day on March 18, 2016.

**Contacts**

All inquiries and documentation should be directed to Loni LaTrace (Field Project Manager) of Enviromarc.

Thank you and we look forward to hearing from you.

Sincerely,  
Enviromarc Services Ltd.

A handwritten signature in blue ink, appearing to read 'Loni LaTrace', is positioned above the typed name and contact information.

Loni LaTrace B.S.A, AIT  
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