Landfill Environmental Site Assessment (LESA) Program

The Saskatchewan Urban Municipalities Association (SUMA), in partnership with the Ministry of Environment (Ministry), has launched the new Landfill Environmental Site Assessment (LESA) Program to support municipalities conducting environmental site assessments (ESAs) for closed or closing landfills.

ESAs determine if a landfill is having negative impacts on the local environment. An ESA also helps establish an appropriate plan for closing a facility. They are conducted by a qualified person, which is a requirement in the Site Assessment Code Chapter.

ESAs are performed in two phases:

- Phase I: Information gathering. Through inspections, file review (history of operation) and identifying sources of contamination and potential receptors, such as potable or fish-bearing water, the results of a Phase I ESA determines the scope of work required for a Phase II ESA.
- Phase II: Intrusive sampling and analysis. Groundwater, surface water and soil sampling identify site-specific conditions and potential impacts to the local environment. The results of a Phase II ESA would indicate if a corrective action plan is required to address any identified impacts, as well as a proper closure plan for the site. A corrective action plan details the methods used to prevent, minimize, mitigate, remedy or reclaim adverse effects.

1. Eligibility

Applications will be accepted from urban, northern, and rural municipalities in Saskatchewan that have applied to the Ministry's Environmental Protection Branch for closure of their landfills. The program is providing funding for up to 10 environmental site assessments, with each grant covering up to $22,500 of the cost of completing the environmental site assessment. Municipalities are responsible for any remaining cost.

Applicants must indicate the consultant they intend to work with from the list created by SUMA through the RFP process. The consultant selected by the successful applicant will be responsible for conducting the ESA according to the Environmental Site Assessment Code Chapter. See Appendix A for consultant information.

Ineligible projects include any corrective action plan arising from an ESA or if the ESA indicates that further work is required to delineate impacts. Municipalities with complete Phase II Environmental Site Assessments are not eligible to apply to the LESA Program for reimbursement.

2. Application Review and Selection Process

Once a complete application from an eligible municipality is received by SUMA, it will be reviewed by the Application Review Advisory Committee (committee). The committee's role is to recommend successful applicants to SUMA. The committee will include one representative each from:

- SUMA;
- the Saskatchewan Association of Rural Municipalities; and
- the Ministry of Environment.

The committee will submit a recommendation to SUMA for final review. Applicants will be notified by SUMA if their submission was successful. The grant will be issued after the first groundwater monitoring event, upon invoicing by the consultant. ESA fieldwork must be completed by June 30, 2020.

A grant application may be rejected because:

- The application has failed to meet the program objectives.
- The applicant has failed to provide a complete grant application.
- The application is for an ineligible project.
- The applicant is not an eligible organization.

A partially completed application may be automatically rejected without review by the committee.

3. Funding Prioritization

Priority for inclusion in the program will be evaluated using a risk-based approach focusing on site conditions and compliance history, such as:

- Screening on potential receptors such as potable water wells, fish bearing water, and groundwater.
- Findings from previous landfill inspections.

4. Application Form Structure

Section A – Applicant Information	Identifies applicant organization and contact information, and primary contact information.
Section B – Project Scope	Collects information used by SUMA to verify eligibility for funding.
Section C – Landfill Evaluation	Collects site-specific information on the landfill.
Section D – Priority	An opportunity to explain why the project should be one of 10 projects considered.

Appendix A

CONSULTANT CONTACT INFORMATION

Five consultants have been selected to complete Environmental Site Assessments according to the Environmental Site Assessment Code Chapter for the Landfill Environmental Site Assessment Program. Municipalities are responsible for obtaining quotes and selecting the consultant that will complete the Environmental Site Assessment for their municipal landfill. Indicating the consultant of choice is a requirement of the Landfill Environmental Site Assessment Program application.

KGS Group
Contact: Lee Peters
Phone: 306-757-9681
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Contact: Reese Giraudier
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SLR Consulting Ltd.
Contact: Mitch Kenaschuk
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Stantec Consulting Ltd.
Contact: Guy Michaud
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Tetra Tech
Contact: Nicholas Hunter
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Sample Application Form

LANDFILL ENVIRONMENTAL SITE ASSESSMENT (LESA) PROGRAM APPLICATION FORM

The Landfill Environmental Site Assessment Program provides funding to municipalities conducting Environmental Site Assessments (ESAs) for closed or closing landfills.

The deadline for applications is Friday, November 29, 2019. This application form is designed to be filled in electronically. Please send completed applications to SUMA Legal Services Advisor Steven Dribnenki at pcsadvisor2@suma.org.

A. Applicant Information

Full Name of Municipality: Village of Lesaville	
Primary Contact Name: Jane Doe	
Title of Primary Contact: Administrator	
Primary Contact Address: Box 225 Lesaville Saskatchewan	**Postal Code:** S2A 2E5
Phone: 306-555-1234	**Fax:** 306-555-1235
Email: jane.doe@lesaville.ca	
Landfill Permit Number: 12345	
How did you hear about this program? ☐ **Webinar** ☒ **Association newsletter** ☐ **Association website** ☐ **Government of Saskatchewan** ☐ **Social media** ☐ **Other**	

B. Project Scope

Has your municipality applied to the Ministry of Environment Environmental Protection Branch to close your municipal landfill?

☒ **Yes**
☐ **No**

Please indicate the scope of your project:

☐ **Phase I and Phase II Environmental Site Assessments**
☒ **Phase II Environmental Site Assessment. Phase I has been completed.**

Please indicate which consultant you intend to work with:

☒ **A**
☐ **B**
☐ **C**
☐ **D**

Has your municipality received more than one quote for the scope of work?

☒ **Yes**
☐ **No**

Did your municipality select the lowest quote? If no, please explain.
We selected the lowest quote.

What is the total amount of grant funding you are requesting?
$12,500

What is the estimated completion date for your project?
May 31, 2020

C. Landfill Evaluation

The Landfill Environmental Site Assessment Program was designed to help municipalities create a proper closure plan for their municipal landfill. Applications will be evaluated using a risk-based approach focusing on site conditions and compliance history.

Please answer the following to the best of your ability:

How close is the nearest occupied residence to the municipal landfill?

There is a farmhouse approximately 700 meters from the landfill to the west.

How close is the nearest potable water well? Does the well belong to the municipality or a residence?

The farmhouse has a water well.

How close is the nearest fish bearing water?

There is a creek 200 meters to the north of the landfill.

Is there irrigation or other non-potable water sources such as wells, sloughs, or dugouts located within --- metres of the landfill?

There is a slough 300 meters to the west that may be used by the farmer for watering cattle.

To your knowledge, have any receptors such as groundwater, fish bearing water, or soil already been impacted by the landfill operation? If yes, please explain.

There was a fuel spill by the landfill that was dug up, but may not have been fully cleaned up.

What type of soil is the landfill built on? (sandy, clay, etc.)

The waste disposal grounds is mostly sandy till looking soil.

Describe any other site conditions that may make the landfill a higher risk to receptors.

The landfill is not engineered and does not have leachate collection. There are multiple cells that have been just dug on the site and filled with garbage. The old cells were just covered with soil and not with clay.

Has your municipality experienced a landfill fire?

☒ **Yes**

☐ **No**

Has your municipality experienced a landfill spill that required reporting?

☐ **Yes**
☒ **No**

Has your municipality burned prohibited materials when burning the clean wood pile (garbage, plastic, painted or treated wood, etc.)?

☐ **Yes**
☒ **No**

Please describe the findings of the last landfill site inspection completed by the Ministry of Environment:

The ministry indicated:

- The landfill was not covering and compacting frequently enough.
- The clean wood pile had garbage in it.

Has your municipality addressed the findings of the last landfill site inspection? If yes, please describe.

Yes,

- The landfill is covered as required in the permit.
- The garbage was removed from the clean wood pile. The pile is now inspected weekly to ensure it does not contain garbage, treated wood and other items that it should not.

Are you compliant to permit conditions such as keeping the clean wood pile free from prohibited materials, compacting and covering, etc.?

☒ **Yes**
☐ **No**

D. Priority

In the space below explain why your project should be selected for the Landfill Environmental Site Assessment Program.

The landfill is built on soil that allows leachate to potentially seep into the groundwater. The municipality does not know a lot about the potential impacts but there is concern that there could be impacts to the creek or groundwater. All of the farms surrounding the landfill have groundwater wells that are used for drinking water.