

WASTE MANAGEMENT ENVIRONMENTAL ASSESSMENT

PROJECT SUMMARY

GOAL

To create a long-term plan to manage and dispose of the Municipality of Greenstone's solid waste.

OVERVIEW

The Municipality is starting an Environmental Assessment process. During this process, engineers will study ways to reduce and manage waste within the region of Greenstone.



PROCESS TO SELECT A NEW WASTE MANAGEMENT FACILITY

SELECTING A SITE



A. Unoccupied Lands Land without any settlements



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C. Short-List of Sites
Site Evaluation Criteria + Values Mapping

D. Final Site Selection Site Selection Criteria + Field Work

THE ENVIRONMENTAL ASSESSMENT PROCESS

.... an Environmental Assessment (EA) is a decision-making process used to promote good environmental planning by assessing the potential effects of certain activities on the natural and human environment? In Ontario, this process is defined and finds its authority in the Environmental Assessment Act (EAA) R.S.O. 1990, c. E.18 and its associated regulations.

.... public consultation is a key component of the EA process? Consultation enables potentially significant issues to be identified early in the decision-making process and taken into account in the proposed approach to the EA.

NEW FACILITY DESIGN

.... robust engineering, archeological, and biological studies will be conducted at the final short-listed sites to inform the EAP process? These technical investigations are prepared by engineers and environmental scientists to help understand the existing conditions and protect the natural and cultural features of sites.

.... modern landfills have numerous environmental protection and monitoring requirements to protect land, water, people, flora, and fauna? Leachate treatment lagoons, groundwater and surface water monitoring infrastructure, and liners (or membranes) are examples of facility features designed to limit the impact of landfills. Robust water quality monitoring systems are also installed to ensure these features remain in a working condition.

WASTE MANAGEMENT SYSTEM OPTIONS

.... four Waste Management Systems (WMS) are being considered for Greenstone? These include (i) Thermal Processing, (ii) Biological Processing, (iii) Existing Landfill Expansion, and (iv) New Landfill.

.... Thermal and Biological Processing Systems are not independent systems? They will require a landfill to dispose of by-products.

.... recycling/waste diversion will be a part of the new WMS regardless of the system chosen? Presently recycling/waste diversion is limited to metals, tires, white goods, batteries/ electronics, concrete with rebar, fluorescent lights, and propane

WASTE MANAGEMENT IN GREENSTONE

.... the Geraldton Landfill was closed in 2021? Waste from Geraldton is now diverted to the Longlac!

.... the Beardmore Landfill was approved for expansion in 2022? Extending the life of the landfill by 37 years based on present waste disposal rates.

.... if the Longlac Landfill reaches capacity and is closed then waste from both Geraldton and Longlac would be transferred to the Nakina Landfill reducing its overall life?

NEW FACILITY LOCATION

.... the final WMS will not be located on any lands that impact Treaty and/or Indigenous sites? Greenstone is closely working with the First Nations and Metis Nations to preserve Indigenous cultural values that might be impacted.

.... the new WMS cannot be located within 15 km of a federally regulated airport? Regulations like this help reduce potential collisions with birds who are attracted to the facility, like the Bald Eagle.

.... the new WMS cannot be located within 500m of a residential, institutional, and designated natural heritage areas? Regulations like this help protect important community features.

.... the new WMS will not be located within 50m of permanent water bodies where possible? Protecting surface and groundwater with site selection and facility design standards is important for all.

HOW TO GET INVOLVED

Th Municipality of Greenstone invites you to participate in upcoming public and stakeholder engagement to provide your comments and feedback on the project. To learn more, visit **www.greenstone.ca** (*QR code*) or contact **GreenstoneEA@kgsgroup.com**.

