



Municipality of Greenstone

Municipal Solid Waste Disposal Plan Environmental Assessment Terms of Reference

Date

November 5, 2013

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1. Introduction

The Municipality of Greenstone (Municipality) includes the incorporated towns of Geraldton, Longlac, Nakina, and Beardmore, the unincorporated villages of Jellicoe and Caramat, as well as a considerable portion of the unorganized rural area. The Municipality extends more than 200 km along the Trans Canada Highway 11 and covers an area in excess of 3,000 km².

The Greenstone Region is also home to several Aboriginal communities, including Aroland, Ginoogaming, Long Lake #58, Sand Point, Rocky Bay, and Lake Nipigon Ojibway.

According to Statistics Canada, in 2011, the Municipality had a population of 4,724 (not including the Aboriginal communities).

The Municipality operates four municipal sanitary landfill sites in the communities of Geraldton, Longlac, Nakina and Beardmore. The Ministry of Natural Resources (MNR) owned three rural landfill sites in the area, which were operated by the municipality, but these sites were closed effective September 30, 2010.

The landfill site in Geraldton was recently found to be out of compliance with the existing Certificate of Approval (C of A) for exceeding both the approved disposal area (waste footprint) and the approved waste volume. The Municipality initiated the Ministry of the Environment's (MOE) Environmental Screening Process in November 2008 with the intention to request an amendment to the C of A with respect to the capacity of the existing landfill. The final Environmental Screening Report (ESR) has been completed, and a Notice of Completion (NOC) was issued May 1, 2013. The NOC noted that the ESR process did not identify any disadvantages of the landfill expansion that might preclude its formal approval, and that the Municipality intends to submit an application to the MOE to amend the C of A accordingly (now called an Environmental Compliance Approval or ECA). The ESR will be part of the supporting documentation for the application, which if accepted would allow the current site to operate until approximately May 2014.

In light of the recent closures of the MNR landfill sites and capacity issues at the Geraldton landfill, the Municipality recognizes that a long term solution to the management of solid waste is required. The immediate need is to service the community of Geraldton and eventually to service the other communities within the Municipality.

The Municipality is planning to conduct an Environmental Assessment (EA) to review alternative options for municipal solid waste management within the Municipality. The Municipality is currently undertaking a study to develop and receive Ministry of the Environment approval for a Terms of Reference (TOR) in accordance with the Ontario EA Act (EAA). The TOR will establish the framework for conducting the EA.

2. Environmental Assessment Planning Process

This EA process will involve the evaluation of alternatives for the disposal of the Municipality's residual waste, followed by the evaluation of potential sites for the preferred residual waste management alternative (i.e., disposal, treatment or transfer facility).

The process will begin with the preparation of the TOR. Once approved by the Minister of Environment, the TOR will describe the process to be followed during the EA. Legislation requires that consultation with the public, Aboriginal communities and agencies be conducted throughout the EA process, including the development of the TOR.

This TOR has been prepared in accordance with the Ministry of the Environment Code of Practices titled *Preparing and Reviewing Environmental Assessments in Ontario* (October 2009) and *Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario* (October 2009), as well as the following sections of the EAA:

Terms of reference

6. (1) *The proponent shall give the Ministry proposed terms of reference governing the preparation of an environmental assessment for the undertaking. 1996, c. 27, s. 3.*

Same

- (2) *The proposed terms of reference must,*
- (a) *indicate that the environmental assessment will be prepared in accordance with the requirements set out in subsection 6.1 (2);*
 - (b) *indicate that the environmental assessment will be prepared in accordance with such requirements as may be prescribed for the type of undertaking the proponent wishes to proceed with; or*
 - (c) *set out in detail the requirements for the preparation of the environmental assessment. 1996, c. 27, s. 3.*

Same

(3) *The proposed terms of reference must be accompanied by a description of the consultations by the proponent and the results of the consultations. 1996, c. 27, s. 3.*

Preparation of environmental assessment

6.1 (1) *The proponent shall prepare an environmental assessment for an undertaking in accordance with the approved terms of reference. 1996, c. 27, s. 3.*

Contents

- (2) *Subject to subsection (3), the environmental assessment must consist of,*
- (a) *a description of the purpose of the undertaking;*
 - (b) *a description of and a statement of the rationale for,*
 - (i) *the undertaking,*
 - (ii) *the alternative methods of carrying out the undertaking, and*
 - (iii) *the alternatives to the undertaking;*
 - (c) *a description of,*
 - (i) *the environment that will be affected or that might reasonably be expected to be affected, directly or indirectly,*
 - (ii) *the effects that will be caused or that might reasonably be expected to be caused to the environment, and*

(iii) the actions necessary or that may reasonably be expected to be necessary to prevent, change, mitigate or remedy the effects upon or the effects that might reasonably be expected upon the environment,

by the undertaking, the alternative methods of carrying out the undertaking and the alternatives to the undertaking;

(d) an evaluation of the advantages and disadvantages to the environment of the undertaking, the alternative methods of carrying out the undertaking and the alternatives to the undertaking; and

(e) a description of any consultation about the undertaking by the proponent and the results of the consultation. 1996, c. 27, s. 3.

Exception

(3) The approved terms of reference may provide that the environmental assessment consist of information other than that required by subsection (2). 1996, c. 27, s. 3.

As this project is in the early stages of the planning process, it will follow subsections 6(2)(a) and 6.1(2) of the EAA.

Documentation of the EA will comply with the regulations as set out under Ontario Regulation (O.Reg.) 334, Section 2 under the EAA:

2. (1) An environmental assessment submitted to the Minister shall contain, in addition to the information required under subsection 6.1 (2) of the Act,

(a) a brief summary of the environmental assessment organized in accordance with the matters set out in subsection 6.1 (2) of the Act;

(b) a list of studies and reports which are under the control of the proponent and which were done in connection with the undertaking or matters related to the undertaking;

(c) a list of studies and reports done in connection with the undertaking or matters related to the undertaking of which the proponent is aware and that are not under the control of the proponent;

(d) where the environmental assessment is for an undertaking with a fixed location, at least two unbound, well marked, legible and reproducible maps that are an appropriate size to fit on a 215 millimetre by 280 millimetre page, showing the location of the undertaking and the area to be affected by it. R.R.O. 1990, Reg. 334, s. 2 (1); O. Reg. 263/07, s. 1.

(2) Of the maps referred to in clause (1) (d), one shall be a simplified base map suitable for reproduction in any notices that may be published and the other may include more detail such as a 1:10,000 scale Ontario Base Map. R.R.O. 1990, Reg. 334, s. 2 (2).

(3) The maps referred to in clause (1) (d) may show alternative proposals. R.R.O. 1990, Reg. 334, s. 2 (3).

The EA process to be followed is illustrated in Figure 2.1 (following page).

Figure 2.1: Environmental Assessment Process

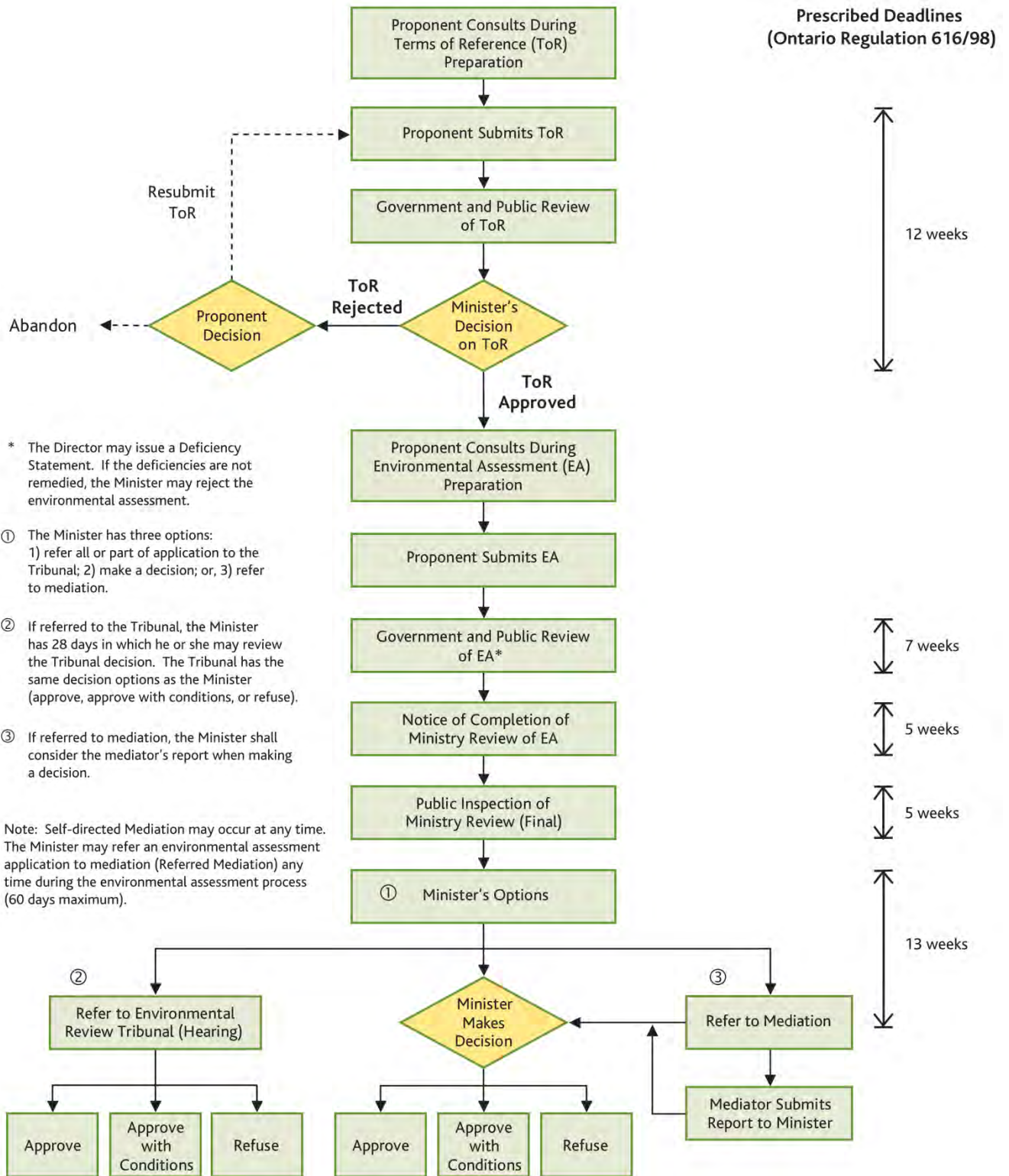


Image source: Ontario Ministry of the Environment. Consultation in Ontario's Environmental Assessment Process. June 2007.

3. Identification of the Proponent

The proponent for the TOR and corresponding EA study is:

Municipality of Greenstone
1800 Main Street
PO Box 70
Geraldton, ON P0T 1M0

Contact: Brian Aaltonen
Tel: (807) 623-9495
Email: brian.aaltonen@greenstone.ca

4. Purpose and Description of the Proposed Undertaking

The purpose of the proposed undertaking is to create a long term (20 to 30 year) plan for the disposal of the Municipality's solid waste. The plan will be created through the EA process, which will be used to review and screen alternative disposal options for the Municipality.

The EA is required because the Municipality's landfill site in Geraldton Ward could reach capacity by Spring 2014. While the Municipality operates three other municipal landfill sites, they do not have sufficient remaining capacity to be a long term disposal solution for the entire Municipality. A long term solution for managing the Municipality's solid waste is needed. The Municipality needs to continue servicing the waste disposal needs for the community of Geraldton, with service being extended to the other communities within the Municipality in the long term.

This purpose and description of the proposed undertaking is considered preliminary and will be confirmed or updated at the start of the EA process.

Table 4.1 estimates the amount of waste generated for the Municipality to 2045, assuming a negative annual population growth rate, based on Statistics Canada census data. In light of the potential economic development resulting from the proposed Ring of Fire mining developments, population projections included in the Greenstone Grow Plan suggest an increase in the Municipality's population, should the development proceed. The population projections for each community will need to be reviewed during the course of the EA process.

Table 4.1: Municipality of Greenstone Waste Generation Estimates

Year	Population ¹	Annual Waste Generation (tonnes) ²	Cumulative Waste Generation (from 2014) (tonnes) ³
2011	4,724	4,870	
2012	4,693	4,838	
2013	4,662	4,806	
2014	4,631	4,774	4,774
2015	4,600	4,743	9,517
2025	4,304	4,437	55,246
2035	4,027	4,152	98,032
2045	3,768	3,884	138,065

Notes:

1. Based on Statistics Canada 2011 Census and annual population growth rate of -0.6631%.
2. Based on average Canadian waste generation rate of 1,031 kg/person for 2008 (Statistics Canada. *Waste Management Industry Survey: Business and Government Sectors*. 2008).
3. Assumes new landfill site to start receiving waste after closure of Geraldton landfill site in 2014.

5. Study Area

The preliminary study area for the proposed EA is the municipal boundaries of the Municipality (see Figure 5.1). The study area will be confirmed during the EA process.

Figure 5.1: Study Area - Municipality of Greenstone



6. Alternatives to be Evaluated

6.1 “Alternatives to” the Undertaking

Table 6.1 describes the alternatives for managing residual waste that will be evaluated during the EA process.

Table 6.1: Alternatives to the Undertaking

Alternative	Description
Thermal Processing	Thermal processing involves the conversion of solid waste to energy, most often through a combustion process. This energy can be captured and used to generate electricity or heat, depending on the process used. While some residual waste would require disposal, this alternative would minimize that amount.
Biological Processing	Biological treatment involves the use of micro-organisms such as aerobic and anaerobic bacteria to break down and stabilize the organic portion of the waste stream. There is the potential to capture biogas in this process, which can be used to generate energy. The residual waste will require landfill disposal.
Landfill Expansion	Expand one or more of the Municipality’s existing landfills to enable it to receive more waste in the future, specifically, all of the Municipality’s residual waste. This could include either a vertical or horizontal expansion.
Waste Diversion and Waste Re-use	Waste can be diverted from disposal through a broad range of waste diversion and waste re-use programs. Waste not diverted will require disposal.
New Landfill	Site a new landfill. Landfilling is one of the most common and readily available used forms of disposing of residual waste.
Export of Waste	If no method of managing the Municipality’s residual waste stream is available within the Municipality’s borders, then waste could be sent to another private or municipal facility for disposal.
Do nothing	Maintain the status quo and continue with current disposal activities. This alternative is included in the evaluation of alternatives to provide a benchmark against which the other alternatives may be measured.

6.2 “Alternative Methods” for the Undertaking

Once the preferred “Alternative to” (or combination thereof) has been selected, then sites (or “Alternative Methods”) for the preferred option will be explored. If a landfill expansion is the preferred Alternative To, then the evaluation will consider a vertical expansion and/or horizontal expansion. A background report will be prepared confirming the proposed process and its rationale for siting the preferred alternative. The siting requirements will vary depending on the alternative selected.

The site selection process will occur over seven steps, which are outlined in Table 6.2.

Table 6.2: Site Selection Process

Step	Description	Outcome
1	Confirmation of site selection process	Process Document
2	Development of constraint map	Map of potentially suitable areas for sites
3	Refinement of constraint map	“Long list” of candidate sites
4	High level evaluation/comparison of long-list candidate sites	“Short list” of candidate sites
5	Site investigations of short-listed candidate sites	Background site reports
6	Evaluation/comparison of short-listed candidate sites	Preferred site
7	Documentation of site selection process	Site Selection Report

The constraint mapping will help identify areas within the study area that are not suitable for siting the preferred Alternative To, such as Aboriginal lands, provincially significant natural environments, etc. Once the constraint map has been used to identify suitable areas, it will be refined to identify a long list of candidate properties. The long list candidate sites will be then be evaluated using a high level environmental, social and economic analysis to determine a short list of candidate sites.

Site investigations will then be conducted on the short-list of candidate sites, including natural environment and archaeological investigations. These investigations will provide the background information required to evaluate the short-listed sites, with the intent of avoiding significant areas and reducing the overall environmental impact.

The evaluation of “Alternatives To” could conclude that more than one type of facility is preferred. Should this occur, each facility would undergo a similar site selection process.

7. Assessment and Evaluation

7.1 Evaluating the “Alternatives To”

The evaluation of the how to manage the Municipality’s residual waste after diversion (i.e. the “Alternatives To” the undertaking) will include a comparison of the advantages and disadvantages associated with each alternative, which will then be considered in an economic, social and environmental analysis. The step-by-step methodology for the “Alternatives To” evaluation is described below.

Before the evaluation takes place, the proposed evaluation methodology and the preliminary evaluation criteria (see Appendix A) will be reviewed with the public and government review agencies.

Table 7.1: Preliminary Methodology for Evaluation of the “Alternatives to”

Step	Activity
1	The “alternatives to” will be assembled into a range of alternative proposed waste management systems (e.g., landfill, waste-to-energy with landfill, etc), with each system being capable of managing all of the residual waste stream;
2	Data will be collected for use in the evaluation of the alternative proposed waste management systems (the proposed preliminary evaluation criteria are included in Appendix A of this EA TOR). Suggested indicators and data sources will be included in the background documents and may be adjusted during the EA evaluation process based on input received from agencies and the public. Potential data sources are listed in Tables A1 and B3.
3	The evaluation criteria will be applied to each of the proposed waste management systems and the potential effects identified.
4	For each effect identified under the criteria, potential measures to mitigate the effects will be considered, and the net effects for each criterion identified.
5	The net effects associated with each alternative waste management system will be compared and a list of relative advantages and disadvantages for each alternative will be developed.
6	The ‘alternatives to’ will be ranked based on the advantages and disadvantages of each and in context with the priorities established through the consultation process, and the preferred alternative will be selected.

7.2 Evaluating the “Alternative Methods”

The evaluation of “alternative methods” of carrying out the undertaking will consist of a facility selection process. Site selection will start with a review of the entire study area to identify those areas considered un-constrained from the stand-point of locating a processing and/or disposal facility. These available areas will then be systematically evaluated to identify a long-list of sites, which will then undergo additional screening and comparative evaluation, ultimately resulting in a preferred alternative. At the outset of this stage, the process and the preliminary selection/evaluation criteria will be reviewed with the public and by the Government Review Team and may be changed or further refined.

The step-by-step methodology for the “alternatives methods” evaluation is described in Table 7.2.

Table 7.2: Preliminary Methodology for Evaluation of the “Alternative Methods”

Step	Activity
1	Siting constraints (see Appendix B) will be applied to entire study area. Those lands considered unconstrained for the siting of a processing and/or disposal facility will be identified. Lands within the study area which are constrained by any of the exclusionary criteria would be screened out for the purpose of moving forward in the site selection process.
2	A minimum site size requirement for the type of facility to be sited will be identified based on the preferred alternative selected.
3	<p>A "long-list" of alternative opportunities in the un-constrained lands will be identified through a review of publicly owned lands and the issuance of a request for "willing host" properties. The "long-list" of alternatives will be reviewed to ensure that a reasonable range of alternatives are included on the list.</p> <p>If it is determined that there is not a reasonable range of siting opportunities on the "long-list", then a review of privately-owned lands in the study area would be conducted to identify additional siting opportunities with the same or better attributes than those publicly owned and "willing host" sites on the list. The owners of identified properties would be approached to determine if a negotiated acquisition of the property is feasible. The updated "long-list" would then be reviewed to ensure that a reasonable range of alternatives are included on the list.</p> <p>If at this stage it is determined that there is still not a reasonable range of siting opportunities on the "long-list" then the constraints applied at Step 1 would be reviewed and relaxed in consultation with the public and government agencies. Steps 2 and 3 would be repeated as necessary to obtain a reasonable "long list"</p>
4	<p>A "long-list" site evaluation will be carried out if there are more than three sites remaining after the application of siting constraints and consideration of available siting opportunities. The purpose of this level of evaluation is to remove those sites less likely to be suitable based on specific environmental, economic and social criteria. The proposed "long-list" evaluation criteria are included in Appendix B.</p> <p>The result of the "long list" evaluation will be a "short list" of alternative sites.</p>
5	The "short list" of alternative sites will be evaluated using the triple-bottom line assessment described in Section 7.1 for the evaluation of "Alternatives to". This will result in the identification of a preferred site. The criteria for use in evaluating the "short-list" is included in Appendix B.

7.3 EA Studies and Evaluations

A wide range of studies and evaluations will be conducted to provide the information required for a thorough evaluation and assessment of the “Alternatives to” and the “Alternative methods”. A list of those studies and evaluations include, but are not limited to:

- Geologic and hydrogeologic features and conditions, including baseline assessments and in accordance with O.Reg. 232/98;
- Surface water features and conditions, including baseline assessments;
- Potential water takings;
- Natural heritage assessments (which would include fish values, aquatic resources, wildlife habitats, among other items);
- Species at risk assessments;
- Archaeological and heritage assessments;
- Socio-economic assessment;
- Existing and planned land uses (which would include the identification of parks and protected areas, crown land recreational values and users, among other items);
- Transportation facilities and corridors, including potential impacts on traffic;
- Natural resource use, including agriculture, forestry, and mineral extraction, as well as other commercial uses (e.g., trapping, tourism operations, baitfish operators, bear management areas, etc);
- Air and noise assessments;
- Identification of potential effects, mitigation measures and net effects of the “alternatives to” and the alternative methods”;
- Constraint maps;
- Potential contingencies; and
- Any additional maps or documents required under the EAA and those based on provisions of O. Reg. 334 under the EAA.

The studies and evaluations required for this EA will be updated throughout the EA process. The studies will be conducted in compliance with all applicable regulations and in consultation with the appropriate review agencies and in such a way as to provide information at a level of detail sufficient to enable the identification of potential effects that may be expected to occur as a result of the implementation of an “Alternative To” or an “Alternative Method”.

With respect to the noise and vibration studies, the following MOE guidelines and documents will be used:

- Construction noise:
 - MOE Publication NPC-115, “Construction Equipment”; and
 - MOE Publication NPC-118, “Motorized Conveyances”.
- Operations noise:
 - MOE Publication NPC-205, “Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)”; and/or
 - MOE Publication NPC-232, “Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)”.

- Construction vibration:
 - MOE Publication NPC-207, “Impulse Vibration in Residential Buildings”, November 1983, as amended.
- Noise Report (to be prepared in accordance with the following documents):
 - MOE Publication NPC-233, “Information to be Submitted for Approval of Stationary Sources of Sound”, October 1995, as amended; and
 - “Supporting Information for the Preparation of an Acoustic Assessment Report,” prepared by the Air and Noise Unit, Environment Assessment and Approvals Branch, November 2003.

With respect to studies concerning surface water impacts, the following tasks will be undertaken:

- A general description of the surface water features of the watersheds for the study area.
- A description of the surface water features occurring within 500 m of the alternative sites. The description will be based on contributing and receiving drainage, catchment, subwatershed or watershed areas that are sufficiently large to allow an assessment of the range and extent of potential effects. The description will also include a description of surface water features such as flood plains, natural watercourses and water bodies, municipal drains, drainage paths and boundaries.
- A detailed surface water investigation (including interpretation of results) to assess water quality, quantity and habitat conditions of the surface water features identified on the alternative sites, any surface water features flowing through the alternative sites, and any surface water features that could receive surface water discharge from the alternative sites.
- An assessment of the suitability of the alternative sites for waste management purposes (depending on the preferred “Alternative To”), considering the areas in which the alternative sites are located and their on-site and receiving surface water features.

The geologic and hydrogeological studies will be conducted in accordance with O.Reg. 232/98 and report on:

- Plans, specifications and descriptions of the geologic and hydrogeologic conditions of the site and the area in which the site is located; and
- An assessment of the suitability of the site for the landfilling of municipal waste, taking into account:
 - The design of the site, including existing features and features that will be implemented to control the expected production of leachate and the expected subsurface migration of landfill gas;
 - Regional and site specific geologic and hydrogeologic conditions;
 - The ability to identify future impacts on the ground water by monitoring;
 - The feasibility of contingency plans that can be implemented to control leachate produced in a quantity greater than expected or with a quality worse than expected; and
 - The feasibility of contingency plans that can be implemented to control landfill gas migrating in the subsurface in a quantity greater than expected or with a quality worse than expected.

O.Reg 347/90 (General –Waste Management) and O.Reg. 232/98 (Landfilling Sites) will also be considered and referenced during the detailed study and evaluation process. O.Reg 347/90 governs existing landfill sites and landfill sites that are equal or less than 40,000 cubic metres in volume. It also regulates all aspects of waste (generation, transport, and disposal). O.Reg. 232/98 governs new or expanding landfilling sites and contains detailed requirements for the design, operation, closure and post-closure care of municipal (i.e. non-hazardous) waste landfilling sites. The document *Landfill Standards: A Guideline on the Regulatory and Approval Requirements for New or Expanding Landfilling Sites* (January 2012) by the Government of Ontario will be consulted during the planning and undertaking of the various project studies.

8. Existing Environment and Potential Effects

The environment that may be affected by a proposed waste management site for the Municipality is briefly described below. The EA will include a detailed description of the environment within the study area, as well as potential impacts to the environment and recommended approaches to mitigate them.

8.1 Natural Environment

The Municipality is located along Trans-Canada Highway 11 in Northwestern Ontario, 300 km northeast of the City of Thunder Bay. Greenstone is located in the District of Thunder Bay and has an area of 3,172 sq km, making it one of the largest municipalities in Canada.

The Municipality is located deep within the Canadian Shield and in the Superior Geological Province. The surficial deposits of the western and eastern portions of the municipality consists primarily of thin till with some subaqueous outwash and ice contact glaciofluvial sediments. The central areas of the municipality is predominantly thick till with organic deposits¹.

The Municipality is located within the Boreal Shield Ecozone². A review of the Municipality's Official Plan Schedules shows that, while the Municipality covers a large area, most of it is wilderness or forested areas.

The Municipality's is divided by two of Canada's ocean watersheds. The central portion of the Municipality (including Nakina) falls within the Hudson Bay Watershed, while the east and west portions are located within the Atlantic Ocean Watershed³. Both Geraldton and Longlac fall within the Hudson Bay Watershed, which is more commonly referred to as the Arctic Watershed. A constructed diversion of water over the height of land allows water from some of the lakes and streams surrounding Geraldton and Longlac to be manually routed to either the Arctic Watershed or the Atlantic Watershed (D. Barker. Personal Communications. July 19, 2013).

There are numerous wetlands across the Municipality, particularly in its central and eastern portions. The Wetland Region of the Municipality is characterized as Humid Mid-Boreal⁴, and

¹ Kristjansson, F.J. and L.H. Thorleifson. 1991: Surficial Geology, Beardmore-Geraldton, Ontario; Geological Survey of Canada, Map 1768A; Ontario Geological Survey, Map 535, scale 1:100 000.

² Natural Resources Canada. 2009. *The Atlas of Canada: Ecological Framework*.

³ Natural Resources Canada. 2009. *The Atlas of Canada: Watersheds*. 2009.

⁴ Energy, Mines and Resources Canada. 1986. *The National Atlas of Canada: Canada Wetland Regions*.

freshwater wetlands are distributed across approximately 5% - 10% of the Municipality⁵. Lake Nipigon is located on its western border.

The Official Plan Schedules identifies a number of wildlife habitats within the Municipality's boundaries, including:

- Moose wintering areas;
- Moose aquatic feeding areas;
- Woodland caribou areas;
- Nesting sites;
- High waterfowl use areas;
- Fish spawning areas; and
- Cold water streams.

There are also a number of protected or specially designated management areas within the Municipality, including:

- Lake Nipigon Provincial Park;
- Nipigon Palisades Conservation Reserve;
- MacLeod Provincial Park;
- Nakina Moraine Provincial Park; and
- Lake Nipigon/Beardmore Enhanced Management Area.

A portion of the Lake Nipigon Basin Signature Site is located within the Municipality and is protected by the Lake Nipigon Basin Signature Site Ecological Land Use and Resource Management Strategy.

8.2 Social/Cultural

The Municipality was formed in January 2001 by the amalgamation of the Towns of Geraldton and Longlac, the Townships of Nakina and Beardmore, and an extensive area of unincorporated territory that included a number of settlement areas. Neighbouring Aboriginal communities to the Municipality include Long Lake 58, Lake Nipigon Ojibway, Rocky Bay, Sand Point, Aroland and Ginoogaming First Nations.

In 2011, the Municipality had a population of 4,724. This was a change of -3.3% from the 2006 census⁶. The Municipality has an older population compared to the provincial average. The Municipality reports that the percentage of the total population of the ages of 45 to 64 is higher than the provincial average, while the percentages for those aged 20 to 44 is below the provincial average⁷.

⁵ Natural Resources Canada. 2009. *The Atlas of Canada: Distribution of Freshwater – Wetlands*.

⁶ Statistics Canada. 2012. Greenstone, Ontario (Code 3558075) and Ontario (Code 35) (table). Census Profile. 2011 Census. Statistics Canada Catalogue no. 98-316-XWE. Ottawa. Released October 24, 2012.

⁷ Municipality of Greenstone. Greenstone Community Profile 2012. May 2012.

8.3 Economic and Built Environment

The largest occupational group in the Municipality is the sales and service group (23% of labour force), followed by trades, transport and equipment operators and related occupations (20%).

The manufacturing industry accounts for the largest percentage (23.5%) of the labour force in the Municipality, followed by the health care and social assistance industry (10.4%).

The main highway infrastructure serving the Municipality is Highway 11 (part of the Trans-Canada Highway), which runs east to west and links the Municipality with Highway 17 (also part of the Trans-Canada Highway), Red Rock, and Thunder Bay to the west, and Hearst and Kapuskasing to the east. Highway 584 provides the main link for Nakina to the rest of the Municipality, via Geraldton. Figure 8.1 presents an MTO road map for the Greenstone area.

Two domestic airports are located in the Municipality: one in Nakina and the other in Geraldton. The nearest international airport is the Thunder Bay International Airport.

Both CN Rail and VIA Rail provided service to the Municipality. The CN Rail route runs through Caramat, Longlac, and Nakina. VIA Rail also provides pick-up and drop-off locations in these communities.

Figure 8.1: Ministry of Transportation Ontario Road Map (Greenstone Area)



Image source: Geomatics Office, Ministry of Transportation Ontario. 2012 Official Road Map of Ontario (Map 14).
<http://www.mto.gov.on.ca/english/traveller/map/images/pdf/northont/sheets/Map14.pdf>. Accessed July 23, 2013.

The Municipality's Official Plan (2010) establishes three categories of settlement areas, which include:

- Urban Settlement Areas (Beardmore, Geraldton, Longlac and Nakina)
- Rural Settlement Areas (Caramat, Jellicoe, Orient Bay, and Macdiarmid); and
- Rural Area.

The Official Plan characterizes Urban Settlement Areas as “urban communities with a well developed built-form, a diverse mix of land uses and which have full municipal sewage and water services or partial services.”

Rural Settlement Areas are described as “small communities within a largely rural setting that have a mix of land uses including public service facilities, but which are predominantly residential communities.”

The Official Plan considers Rural Areas as those not located within a designated urban or rural settlement area and is described as having “wide open spaces where the make-up of development consists of clusters of development, scattered residential uses much of which is water front oriented, forestry operations, transportation and infrastructure corridors, pits and quarries and a variety of other rural-type uses.”⁸

The Municipality has five public elementary schools, five Catholic elementary schools, and two secondary schools. There is a public library each in Beardmore, Longlac, Geraldton and Nakina.

Land uses in the areas proximate to the Municipality’s landfill sites are described in Table 8.1.

Table 8.1: Land Uses near Greenstone Landfill Sites

Landfill Site	Proximate Built Land Uses
Geraldton Waste Disposal Site 2 Miles East of Junction off Highway 11 and 584, Part of Mining Claim T.B. 14031	<ul style="list-style-type: none"> • MacLeod Provincial Park located south of landfill site; portion falls within 500 m influence area • Motel located to east of waste management site, but approx. 750 m from landfill site • Predominantly undeveloped land in proximity to landfill
Longlac Landfill Located North side of Kimberly-Clark’s Crib Road Extension	<ul style="list-style-type: none"> • Undeveloped land to southwest of landfill site designated “Industrial District” in Official Plan • Residential community of Longlac approximately 2 km southwest of landfill site (separated by forested area)
Nakina Ward Waste Disposal Site Town of Nakina	<ul style="list-style-type: none"> • Generally surrounded by undeveloped land, other than nearby pits
Beardmore Waste Disposal Site North of Mining Claim TB 10597, Summer Township, Town of Beardmore	<ul style="list-style-type: none"> • Bounded by undeveloped land on its north, west and south sides • Land designated residential district and commercial district to south/southeast of landfill site, outside of the 500 m influence area • Sewage treatment plant sited approx. 750 m south of landfill

⁸ Municipality of Greenstone. *Municipality of Greenstone Official Plan*. Tunnock Consulting. June 14, 2010.

8.4 Potential Effects

The potential effects of the preferred solution will depend on the preferred “alternative to”. Typical effects commonly associated with the “alternatives to” that may require mitigation include:

- Emissions of greenhouse gasses and other air pollutants through the transport, biodegradation, combustion or processing of solid wastes;
- Disturbance of vegetation and potential terrestrial and/or aquatic habitat, if the chosen location for the preferred alternative includes these features;
- Potential for bird hazards to aircraft for landfills sited in proximity to an airport;
- Potential for noise impacts when operating the facility;
- Impact to local water quality if leachate and surface water runoff from the site is not managed properly;
- Disturbance to cultural, recreational, heritage and archaeological values;
- Effects on treaty and aboriginal rights.

A full assessment of the potential impacts and measures for their mitigation will be conducted during the EA process.

9. Commitments to Address Identified Issues and Monitor Effects

During the course of developing and approval of the TOR, a summary of any commitments made and how these commitments are to be met will be prepared and included in the EA. The final EA report will also include a comprehensive list of commitments that were made during the EA process. These may include:

- Measures to manage impacts;
- Additional works and studies to be carried out;
- Monitoring programs/activities;
- Public consultation and contingency planning; and
- Documentation and correspondence.

Over the course of the study and the application of evaluation criteria, potential effects and mitigative requirements will be identified for the proposed undertaking. It is noted that these considerations will be defined based on supporting EA studies. During the EA process, a monitoring framework will be developed that considers all phases of the identified undertaking and will include monitoring to ensure compliance and/or effects on the environment.

Commitments made to date include:

1. The following self-screening procedures will be conducted early in the site-selection process to identify known cultural heritage resources and provide guidance for evaluating specific alternative sites and reporting on this process within the Environmental Study report:
 - a. **Archaeological Resources:** Potential sites will be screened with the Ministry of Tourism, Culture and Sport’s (MTCS) *Criteria for Evaluating Archaeological Potential* (see Appendix F). This will determine whether the potential sites may impact

- archaeological resources: MTCS archaeological sites data are available at archaeologysites@ontario.ca. If the potential sites exhibit archaeological potential, then an archaeological assessment (AA) conducted by an archaeologist licensed under the Ontario Heritage Act would be recommended and the AA report forwarded to MTCS for review.
- b. **Built Heritage and Cultural Heritage Landscapes:** Potential sites will be screened against the MTCS Screening for Impacts to Built Heritage and Cultural Heritage Landscapes checklist (see Appendix G). This will determine whether a potential site may impact these cultural heritage resources: If the project may impact known or potential cultural heritage resources, MTCS recommends that a Heritage Impact Assessment be prepared by a qualified consultant and the completed HIAs sent to MTCS and the local municipality for review and made available to local heritage organizations with an interest, prior to issuance of the EA Notice of Completion.
 2. MTCS will be advised whether archaeological and/or heritage impact assessments will be completed during the EA process. Any assessments completed will be forwarded to MTCS for review prior to issuing a Notice of Completion.
 3. If any of the related project undertakings cross or affect a potentially navigable waterway, the proponent should prepare and submit an application in accordance with the requirements as outlined in Transport Canada's Navigable Waters Protection Act Request for Work Approval Application Guide and Form (see Appendix H). Transport Canada's [Minor Works and Waters \(Navigable Waters Protection Act\) Order](#) should be reviewed to determine if the proposed work is considered as a minor and does not require an application under the NWPA.

10. Consultation Plan for Environmental Assessment

10.1 Stakeholders

Stakeholders to be consulted during the EA process include:

- **Government and Agencies** that represent the interests and mandate of various governmental departments, ministries and agencies potentially affected by the outcome of the EA Study. A Government & Agency Review Team (GART) list has been established for the study and is included in Appendix C.
- **The General Public.** This includes residents, landowners and businesses within the study area that may either have a broad or general interest in the study or may be directly affected by the study outcome. Over the course of the EA TOR development, a contact list of those individuals and groups expressing interest in the study will be compiled. This list will be updated as the study proceeds. The general public will be contacted through the media, the Municipality's website, and public notices.
- **Aboriginal Peoples** potentially impacted or interested in the undertaking will be identified through contact with the Ontario Ministry of Environment, Aboriginal Affairs, Aboriginal Affairs and Northern Development Canada, and local bands, tribal councils and Métis communities. All public documents will be circulated to the interested aboriginal groups, including the TOR for their review and comment. All comments will be recorded and addressed in the Consultation Record supporting the EA.

A mailing list is provided in Appendix D.

10.2 Consultation Activities

The minimum scope of consultation activities for EA study milestones are provided in the table below. The full program for public consultation and engagement will be developed during the initial phase of the EA.

The Record of Consultation pertaining to the preparation of the draft TOR is enclosed as Appendix E.

Table 10.1: Minimum Scope of Consultation Activities

Study Milestone	Minimum Scope of Consultation Activities
<ul style="list-style-type: none"> • Development of TOR 	<ul style="list-style-type: none"> • Notice to stakeholders to launch development of the TOR • Open house(s) for the general public, municipal officials/staff • Circulation of TOR to Government & Agency Review Team (GART) for comment • Project webpage posted on municipal website, including instructions on how to make comment during process • Posting of draft and final TOR on project webpage
<ul style="list-style-type: none"> • Initiate EA study 	<ul style="list-style-type: none"> • Notice of commencement to stakeholders through newspapers, project website, distribution to Aboriginal communities and GART
<ul style="list-style-type: none"> • Identify “alternatives to” waste disposal options, waste diversion strategies 	<ul style="list-style-type: none"> • Open house(s) for general public to learn about/provide input on “alternatives to” • Notice of open house to be posted on project website, local newspapers
<ul style="list-style-type: none"> • Evaluate “alternatives to” waste disposal and select preferred alternative • Evaluate long list of “Alternative methods” (i.e., waste management sites) and reduce to short list 	<ul style="list-style-type: none"> • Open house(s) for general public to learn about/provide input on preferred “alternatives to” and on evaluation process for “alternative methods” • Notice of open house to be posted on project website, local newspapers
<ul style="list-style-type: none"> • Identify short list of “Alternative methods” • Evaluate short list of “Alternative methods” and select preferred site 	<ul style="list-style-type: none"> • Open house(s) for general public to learn about/provide input on short list of “Alternative methods” and on evaluation process to select preferred site • Notice of open house to be posted on project website, local newspapers
<ul style="list-style-type: none"> • Complete further site-specific studies to confirm suitability of site and documentation for approvals 	<ul style="list-style-type: none"> • On-going liaison/consultation with affected stakeholders
<ul style="list-style-type: none"> • EA completion 	<ul style="list-style-type: none"> • Notice of completion circulated to Aboriginal communities, general public, and GART • ESR posted for public review and comment • Notices posted on project webpage

Input will be obtained from stakeholders through a variety of means, including:

- Correspondence through electronic and regular mail: contact information such as an e-mail address and a mailing address will be provided on project communication materials, including the project website, to allow stakeholders the opportunity to provide written comment at any point during the EA process.
- In-person conversation: stakeholders will be able to speak with the project team to provide their comments, seek clarification or to discuss issues throughout the process. This will be done at the open houses, through face-to-face or conference call meetings, or by calling the EA's project manager.
- Open houses: forms will be provided at the open houses to obtain targeted feedback on key EA components or findings. This feedback will be used to update and/or confirm decisions made up to that point in time or to be considered in upcoming decisions. Those attending the open house will also be to provide any other comments they have, either in writing or through conversations with members of the project team participating in the open house.

10.3 Issues Resolution

Over the course of the study, it is expected that issues will arise that require resolution either before moving from one step to the next or prior to the issuance of approvals. It will be the Municipality's preference to resolve issues as they arise and without the assistance of an outside party. However, should this approach not work the use of a facilitator to negotiate a resolution or use of the EAA's mediation provisions will be considered. It is recognized that unresolved issues could be referred to the Province's Environmental Review Tribunal, which would make a decision on approval of the undertaking, and that unresolved issues could have a bearing on that decision and that conditions of approval could be imposed to deal with certain issues.

11. Modifying the Terms of Reference

This TOR provides the framework for conducting the EA process and preparing the EA report. However, as identified through the requirements of a TOR in the EAA and in the MOE's Code of Practice on preparing TORs, they are generally not intended to present every detail that will occur throughout the EA process. Therefore, it is possible that in carrying out the work contemplated by this TOR it may become evident that certain modifications to this TOR are necessary. It is important to note that the commitments described in this TOR are a minimum that must be met, and that more may be required if necessary. It is envisioned that such changes may include but are not limited to:

- Requirements for additional or expanded evaluations, studies or work to ensure that the nature and magnitude of potential positive and negative environmental effects are fully and accurately identified.
- Changes in methodology of the studies referred to in Section 7. This may be in response to studies that showed environmental effects to be greater or less than previously estimated.
- Modifications to the consultation program.
- Any other modifications required or available through changes to Acts or Regulations.

It should be noted that this list is not intended to be exhaustive but instead sets out by example the types of changes or modifications that may be considered within the framework as set out by this TOR.

In the event of uncertainty as to whether a proposed change should be considered routine or of note, the MOE will be consulted through the MOE EA project officer.

12. Other Required Approvals

Approval required under the EAA the Environmental Protection Act (EPA) for each alternative will be identified as appropriate. Also, any further approvals for the preferred undertaking will be identified in the EA. For example, these could include, but are not limited to:

- Federal/Provincial EA coordination;
- Fisheries Act (Department of Fisheries and Oceans);
- Lakes and Rivers Improvement Act (Ministry of Natural Resources);
- Stormwater and leachate management approvals (Ministry of the Environment);
- Permit to Take Water (Ministry of the Environment);
- Environmental Compliance Approval for Waste (Ministry of the Environment);
- Environmental Compliance Approval for Air (Ministry of the Environment);
- Environmental Compliance Approval for Noise (Ministry of the Environment);
- Navigable Waters Protection Act (Transport Canada);
- Some form of tenure of patent if chosen site is on Crown land;
- Local approvals, such as noise bylaws, road closures, tree removals, site alterations, etc. (local municipality).

While this undertaking is subject to the requirements of the Ontario EA Act, the requirements of the Canadian Environmental Assessment Act (CEAA) may also apply. As a result, the proponent will work in a coordinated way with the provincial and federal governments to satisfy both levels of environmental legislation pursuant to the Canadian-Ontario Agreement on EA Cooperation.

The results of this study will also satisfy Regulation 347/90 (General –Waste Management) and Regulation 232/98 (Landfilling Sites) under the EPA.

In order to ensure an effective and efficient coordination of the provincial and federal EA processes, a project description will be prepared in a timely fashion for circulation to federal authorities to determine if there is trigger under the CEAA.

The intent is to produce a single EA body of documentation on environmental effects to meet all of the information needs of both the federal and provincial governments. To the extent practical, both federal and provincial information requirements regarding potential issues will be integrated into this EA.

13. Environmental Assessment Report and Submission

An EA Report will document the EA, which will be carried out in accordance with the approved TOR and in adherence to the requirements set out in subsection 6.1(2) of the EAA and Section 2 of O.Reg 334.

Heritage Impact Assessment and Archaeological Assessment reports and their recommendations are part of the EA project. The EA Report will document and summarize any determinations that no cultural heritage resources are impacted and no technical studies are warranted as part of the EA Process.

A draft of the EA Report will be made available for agency/public review prior to formal submission to the Ministry of the Environment (MOE). The purpose of the pre-submission review is to obtain comments on the contents of the EA report before submitting it formally to the Minister for review and approval.

Once comments from the pre-submission review are incorporated, the EA report will be formally submitted to the Minister for review and approval. The EA report will also undertake a formal public and agency review process.

Appendix A – Preliminary Evaluation Criteria for “Alternatives to the Undertaking”

Table A1: Preliminary Evaluation Criteria for “Alternatives to the Undertaking”

Category	Criteria	Indicators ¹	Potential Data Sources
Natural Environment	• Effect on terrestrial and aquatic habitats	<ul style="list-style-type: none"> • Type and severity of common habitat impacts associated with alternatives • Potential for destruction or disruption of sensitive terrestrial and/or aquatic habitats 	<ul style="list-style-type: none"> • Mapping from Natural Resources Canada (NRCan), MNR, MOE • Local conservation authority
	• Effect on air quality	<ul style="list-style-type: none"> • Estimated air emissions and contaminants associated with alternative 	<ul style="list-style-type: none"> • Published data sources
	• Effect on surface and ground water quality	<ul style="list-style-type: none"> • Type and severity of common surface and ground water impacts associated with alternatives • Potential for contamination or disruption to surface and ground water sources 	<ul style="list-style-type: none"> • Mapping from Natural Resources Canada (NRCan), MNR, MOE • Local conservation authority
	• Natural resources	<ul style="list-style-type: none"> • Consumption or preservation of non-renewable natural resources 	<ul style="list-style-type: none"> • Published data sources
Social Environment	• Social acceptability	<ul style="list-style-type: none"> • Level of public support or opposition to alternative 	<ul style="list-style-type: none"> • Consultation with stakeholders
	• Municipal service requirements	<ul style="list-style-type: none"> • Ability of alternative to allow the Municipality to meet its solid waste management obligations to its residents 	<ul style="list-style-type: none"> • Published data sources
Cultural Environment	• Cultural heritage resources	<ul style="list-style-type: none"> • Potential to have adverse impact on cultural heritage resources • Effect on treaty and aboriginal rights • Effect on recreational use of lands and waters • Effect on commercial users (e.g., trappers, tourist operators, retail or service operators, baitfish operators) 	<ul style="list-style-type: none"> • Government registers of properties of cultural heritage values • Governmental and non-governmental heritage organizations • Consultation with stakeholders • Archaeological and cultural heritage assessments

Category	Criteria	Indicators ¹	Potential Data Sources
Economic Environment	<ul style="list-style-type: none"> Economic viability 	<ul style="list-style-type: none"> Total system cost Net system costs per tonne of waste managed Sensitivity of system costs and affordability to external influences Legal/contractual risks associated with waste management alternative 	<ul style="list-style-type: none"> Municipal financial records
Built Environment	<ul style="list-style-type: none"> Land use conflicts 	<ul style="list-style-type: none"> Potential for conflicts with local/provincial/federal planning guidelines or regulations 	<ul style="list-style-type: none"> Official Plan documents, zoning by-laws, provincial planning documents, provincial and federal regulations, review of land uses Consultation with stakeholders
	<ul style="list-style-type: none"> Flexibility of alternative 	<ul style="list-style-type: none"> Degree to which alternative can respond to changes in waste stream (e.g., volumes, composition, changes in diversion, etc) or waste economics 	<ul style="list-style-type: none"> Project analysis
	<ul style="list-style-type: none"> Technical risk 	<ul style="list-style-type: none"> Proven track record of alternative to manage waste Number, type and severity of risk factors 	<ul style="list-style-type: none"> Published and unpublished data sources

Notes:

1. Specific parameters will be confirmed with review agencies during the EA.

Appendix B – Preliminary Evaluation Criteria for “Alternatives Methods” (i.e., Sites)

Table B1: Preliminary Criteria for Excluding Lands from Consideration for Waste Disposal Site

Preliminary Criteria for Excluding Lands from Consideration for Waste Disposal Site

The following criteria are for those lands *excluded* for consideration for a waste disposal site:

- Designated residential areas and areas within 500m of those designations.
- Designated institutional areas and areas within 500m of those designations.
- Designated Natural Heritage areas and areas within 500m of those designations*.
- Class 1 Prime agricultural lands.
- Park/recreational lands**
- 15 km around federally regulated airports.
- Aboriginal reserves.
- Where possible, areas with less than 1 metre (subject to further consideration) of overburden in the base of the potential landfill.
- Where possible, areas less than 50 metres from a permanent watercourse.
- Land that would prevent the efficient expansion of settlement areas, on sites adjacent or close to settlement areas.
- Land containing significant habitat of endangered species and/or threatened species*.
- Land known/identified as a mineral, mineral aggregate or petroleum resource, where development would preclude or hinder their expansion or continued use or which would be incompatible for reasons of public health, safety or environmental impact.
- Lands where there are natural and or/humane made hazards that cannot be mitigated (e.g., flooding, mine hazards, etc).
- Lands containing sufficiently significant cultural heritage resources, whether archaeological, built heritage or cultural heritage landscape.
- Lands with land use direction not consistent with the project.

* Includes areas designated as natural heritage areas as defined by the Ontario Provincial Policy Statement (2005).

** Includes municipal, provincial and federal parks and lands reserved for recreational purposes.

Table B2: Preliminary Evaluation Criteria for a “Long-List” of Alternative Sites

Preliminary Evaluation Criteria for a “Long-List” of Alternative Sites

- Proximity to required infrastructure (e.g., road network, electricity connection, etc).
- Site accessibility (i.e., distance from major road routes, etc).
- Potential impact of waste transport route.
- Size of property.
- Surrounding/proximate land uses.
- Site availability.
- Proximity of site to certified airports/position of site relative to airport and water bodies.

Table B3: Preliminary Comparative Evaluation Criteria for “Short-list” of Alternative Sites

Category	Criteria	Indicators ¹	Potential Data Sources
Natural Environment	• Terrestrial and aquatic habitats	<ul style="list-style-type: none"> • Potential for destruction or disruption of sensitive terrestrial and/or aquatic habitats • Effects on protected natural areas such as ANSIs, ESAs, designated wetlands, or other significant or locally important natural areas • Effects on fish and their habitat, spawning movement or environmental conditions 	<ul style="list-style-type: none"> • Mapping from NRCan, MNR, MOE • Local conservation authority
	• Air quality	<ul style="list-style-type: none"> • Estimated air emissions and contaminants 	<ul style="list-style-type: none"> • Published data sources
	• Surface and ground water quality and quantity	<ul style="list-style-type: none"> • Number of watercourses on or adjacent to site • Potential for contamination or disruption to surface and ground water sources • Effects on surface and ground water quality, quantities or flow, including significant sedimentation or soil erosion on or off site. 	<ul style="list-style-type: none"> • Mapping from NRCan, MNR, MOE • Local conservation authority
	• Wildlife and vegetation	<ul style="list-style-type: none"> • Effects on wildlife and vegetation, including rare (vulnerable), threatened or endangered species of flora, fauna or their habitat • Effects on wildlife habitat, populations, corridors and movement. 	<ul style="list-style-type: none"> • Mapping from NRCan, MNR, MOE • Local conservation authority
	• Environmental Protection	<ul style="list-style-type: none"> • Creation of non-hazardous waste materials requiring disposal. • Creation of hazardous waste materials requiring disposal 	<ul style="list-style-type: none"> • Project analysis
Social Environment	• Social acceptability	<ul style="list-style-type: none"> • Level of public support or opposition to alternative 	<ul style="list-style-type: none"> • Consultation with stakeholders
	• Integration with community	<ul style="list-style-type: none"> • Effects of emission of odours, dust, noise, light pollution • Potential disruption to businesses along haul routes or in proximity (e.g., noise impacts, traffic, etc). • Increases to demands on community services and infrastructure. • Effects on recreation or tourism. • Effect on scenic or aesthetically pleasing landscapes or views. • Potential for aesthetic impacts 	<ul style="list-style-type: none"> • Published data sources • Project analysis • Consultation with stakeholders

Category	Criteria	Indicators ¹	Potential Data Sources
Cultural Environment	<ul style="list-style-type: none"> Cultural heritage resources 	<ul style="list-style-type: none"> Effect on heritage buildings, structures or sites, archaeological sites or areas of archaeological importance, or cultural heritage landscapes. Effect on land, resources, traditional activities or other interests of Aboriginal communities. Effects on neighbourhood or community character 	<ul style="list-style-type: none"> Archaeological and cultural heritage assessments Consultation with stakeholders
Economic Environment	<ul style="list-style-type: none"> Economic viability 	<ul style="list-style-type: none"> Cost of facility (capital, operating) Impact on transport/collection costs 	<ul style="list-style-type: none"> Published and unpublished data sources Project analysis
Built Environment	<ul style="list-style-type: none"> Land use conflicts 	<ul style="list-style-type: none"> Potential for conflicts with local/provincial/federal planning guidelines or regulations Effect on use of Canada Land Inventory Class 1-3, specialty crop or locally significant agricultural land. Bird hazards to airport facilities. Number of sensitive land uses in proximity Effect on traffic (particularly from haul routes) Effect on resource harvest (e.g., forestry, trapping, hunting, baitfish, etc) 	<ul style="list-style-type: none"> Official Plan documents, zoning by-laws, provincial planning documents, provincial and federal regulations, review of land uses Consultation with stakeholders Mapping from NRCan, MNR, MOE Local conservation authority

Based on "Schedule 1 – Screening Criteria Checklist" from MOE's *Guide to Environmental Assessment Requirements for Waste Management Projects* (March 15, 2007)

Notes:

1. Specific parameters will be confirmed with review agencies during the EA.

Appendix C – Government and Agency Review Team

Table C1: Government and Agency Review Team (GART)

Local

Municipality of Greenstone, including local Councillors and relevant departments
Planning Boards
School Boards
Utilities (e.g., gas, telephone, cable)
Municipal Heritage Committees (MHC's)

Provincial Agencies and Ministries

Ministry of Agriculture, Food and Rural Affairs (OMAFRA)
Ministry of Tourism, Culture and Sport (MTCS)
Ministry of Energy (ENE)
Ministry of the Environment (MOE)
Ministry of Municipal Affairs and Housing (MMAH)
Ministry of Natural Resources (MNR)
Ministry of Northern Development and Mines (MNDM)
Ministry of Transportation (MTO)
Ministry of Community and Social Services (MUSS)
Ministry of Government Services (MGS)
Ministry of Health and Long Term Care
Ontario Energy Board (OEB)
Ontario Secretariat for Aboriginal Affairs

Federal Agencies

Canadian Environmental Assessment Agency
Fisheries and Oceans Canada (DFO)
Transport Canada
Health Canada
Environment Canada (EC)
Indian and Northern Affairs Canada - Specific Claims Branch.
Indian and Northern Affairs Canada - Litigation Management and Resolution Branch
Indian and Northern Affairs Canada - Comprehensive Claims Branch
National Energy Board (NEB)
CN Rail
VIA Rail
Any other potential federal funding agencies

Appendix D – Public Consultation Mailing List: Government Review Agencies, Aboriginal Communities and Interest Groups

Table D1: Consultation Mailing List

GROUP	ADDRESS	DEAR	COMMENT
Ministry of the Environment	Agatha Garcia-Wright Director, Environmental Assessment (Acting) Environmental Assessment and Approvals Branch 2 St. Clair Ave. West Floor 12A Toronto, ON M4V 1L5	Ms. Garcia-Wright	
	Paula Allen, APEP Supervisor Technical Support (Sudbury) Ministry of the Environment 199 Larch Street Suite 1101 Sudbury ON P3E 5P9	Ms. Allen	
	Scott Sheriff Thunder Bay District Supervisor Ministry of the Environment 435 James St. S., Suite 331B Thunder Bay, ON P7E 6S7	Mr. Sheriff	
	Mike Landers, Senior Environmental Officer Thunder Bay District 435 James St. S., Suite 331B Thunder Bay, ON P7E 6S7	Mr. Landers	
	Carrie Hutchison Environmental Resource Planner/EA Coordinator Technical Support (Thunder Bay) 3 rd Floor, Suite 331 435 James St. South Thunder Bay, ON P7E 6S7	Ms. Hutchison	

GROUP	ADDRESS	DEAR	COMMENT
Ministry of the Environment	Cindy Batista Project Officer Environmental Approvals Branch Ministry of the Environment 2 St. Clair Avenue West, 14th Floor, Toronto ON M4V 1L5	Ms. Batista	
	Joseph Tyance Senior Advisor, Outreach & Programs Support Aboriginal Affairs Branch Ministry of the Environment Northern Region 435 James St. S., Suite 331 Thunder Bay, ON P7C 6S7	Mr. Tyance	
Ministry of Natural Resources	Allen Willcocks Regional Director – Northwest Region Ministry of Natural Resources 435 James St. S., Suite 221A Thunder Bay, ON P7E 6S7	Mr. Willcocks	
	Phil Couture Area Supervisor, Geraldton - Geraldton Area Office Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0	Mr. Couture	
	Evan Armstrong Biologist - Geraldton Area Office Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0	Mr. Armstrong	

GROUP	ADDRESS	DEAR	COMMENT
	Melanie Lankin Senior Lands & Waters Technical Specialist (Acting) - Geraldton Area Office Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0	Ms. Lankin	
	Dave Barker Planning and Management Supervisor Nipigon District 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0	Mr. Barker	
Ministry of Transportation	Dale Willis Head – Operational Services Ministry of Transportation 1st Flr 615 James St S Thunder Bay ON P7E 6P6	Ms. Willis	
Ministry of Tourism, Culture and Sport	Andrew Hinshelwood Archaeology Review Officer – Thunder Bay Culture Programs Unit Ministry of Tourism, Culture & Sport Suite 334 – 435 James Street South Thunder Bay, ON P7E 6S7	Mr. Hinshelwood	
	Joseph Muller Heritage Planner Culture Services Unit Programs and Services Branch 401 bay Street, Suite 1700 Toronto, ON M7A 0A7	Mr. Muller	

GROUP	ADDRESS	DEAR	COMMENT
MNDM – Ministry of Northern Development, Mines and Forestry	John Guerard Manager - Thunder Bay and Area Ministry of Northern Development and Mines Ontario Government Bldg Suite 332 435 James St S Thunder Bay ON P7E6S7	Mr. Guerard	
Ministry of Municipal Affairs and Housing	Lynn Buckham Regional Director (Acting) - Northwestern Municipal Services Office Ministry of Municipal Affairs and Housing Suite 223 435 James St S Thunder Bay ON P7E6S7	Ms. Buckham	
	Murray Armstrong Planner - Community Planning and Development Suite 223 435 James St S Thunder Bay ON P7E6S7	Mr. Armstrong	
Ministry of Aboriginal Affairs	Pam Wheaton Director - Aboriginal And Ministry Relationships Branch - Resource and Economic Development Ministry of Aboriginal Affairs 9th Flr, 160 Bloor St E Toronto ON M7A2E6		
	Wendy Cornet Manager (Acting) - Consultation Unit Ministry of Aboriginal Affairs 9th Flr, 160 Bloor St E Toronto ON M7A2E6	Ms. Cornet	

GROUP	ADDRESS	DEAR	COMMENT
Federal Government	Environment Canada 4905 Dufferin Street Toronto, ON M3H 5T4	Sir/Madam	
	Aboriginal Affairs and Northern Development Canada 5H- 5th Floor, Gatineau, QC K1A 0H4	Consultation and Accommodation Unit	
	Fisheries and Oceans Canada Northern Ontario District - Thunder Bay Office 100 Main Street, Suite 425 Thunder Bay, Ontario P7B 6R9		
	Environmental Coordinator Transport Canada - Ontario Region 4900 Yonge Street, 4 th Floor (PHE) North York, Ontario M2N 6A5	Environment and Engineering Group	
	Transport Canada Thunder Bay 33 Court Street South Thunder Bay, Ontario P7B 2W6	Sir/Madam	
	Lucy Butts Regional Director General, Ontario Region Health Canada Regional Director General's Office 180 Queen Street West Toronto, Ontario M5V 3L7	Ms. Butts	
	Canadian Environmental Assessment Agency Place Bell Canada 160 Elgin Street, 22nd Floor Ottawa, Ontario K1A 0H3	Sir/Madam	

GROUP	ADDRESS	DEAR	COMMENT
	Infrastructure Canada Communications 6th Floor, 90 Sparks Street Ottawa, ON K1P 5B4	Sir/Madam	
Aboriginal Groups (including Inuit, Métis and First Nation groups and communities) ⁹	Métis Consultation Unit Métis Nation of Ontario Head Office 500 Old St. Patrick Street, Unit D Ottawa, ON K1N 9G4	Sir/Madam	
	Chief Valda Lesperance Biinjitiwaabik Zaaging Anishinaabek General Delivery MacDiarmid, ON POT 2B0	Chief Lesperance	
	Chief Laura Adams Bingwi Neyaashi Anishinaabek 146 Court St. S. Thunder Bay, ON P7B 2X6	Chief Adams	
	Chief Allan Towegishig Long Lake #58 First Nation P.O. Box 609 Longlac, ON POT 2A0	Chief Towegishig	
	Chief Yvette Metansinine Animbiigoo Zaagi'igan Anishinaabek 204 Main St. P.O. Box 120 Beardmore, ON POT 1G0	Chief Metansinine	

⁹ Contacts for aboriginal groups prepared in consultation with Ontario Ministry of Aboriginal Affairs (MAA). At the start of the EA, the MAA and Aboriginal Affairs and Northern Development Canada will be contacted to for up-to-date contact information.

GROUP	ADDRESS	DEAR	COMMENT
Aboriginal Groups (continued)	Chief Sonny Gagnon Aroland First Nation P.O. Box 10 Aroland, ON POT IBO	Chief Gagnon	
	Chief Celia Echum Ginoogaming First Nation P.O. Box 89 Longlac, ON POT 2A0	Chief Echum	
	Susan Blekkenhorst Consultation Coordinator Red Sky Métis Independent Nation 406 East Victoria Avenue Thunder Bay, Ontario P7C 1A5	Ms. Blekkenhorst	
	Gull Bay First Nation General Delivery Gull Bay, ON POT 1P0		
	Eabametoong First Nation Eabamet Lake Post Office Fort Hope, ON P0T 1L0		
	Fort William First Nation 90 Anemki Drive, Suite 200 Thunder Bay, ON P7J 1L3		
	Hornepayne First Nation P.O. Box 1553, 274 Front Street Hornepayne, ON POM KZ0		
	Namaygoosisagagun First Nation 195 Park Avenue Thunder Bay, ON P7B KB9		
	Marten Falls First Nation General Delivery Ogoki Post, ON POT 2L0		

GROUP	ADDRESS	DEAR	COMMENT
Aboriginal Groups (continued)	Michipicoten First Nation PO Box 1, Site 8, RR #1 Wawa, ON P0S 1K0		
	Neskantaga First Nation P.O. Box 105 Lansdowne House, ON POT 1Z0		
	Pays Plat First Nation 10 Central Place Pays Plat, Ontario POT 3C0		
	Webequie First Nation Box 268 Webequie , ON POT 3A0		
	Pic River First Nation 78 Pic River Rd. Box K93 Heron Bay, Ontario, ON POT 1R0		
	Red Rock Indian Band P.O. Box 1030 Nipigon, Ontario POT 2J0		
	William Gordon, President Greenstone Métis Council 205 Clarke Ave. PO Box 825 Geraldton, ON POT 1M0		
	Constance Lake First Nation PO Box 4000 Constance Lake, ON P0L 1B0		
Municipality	Mayor Renald Beaulieu The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Mayor Beaulieu	

GROUP	ADDRESS	DEAR	COMMENT
	Councillor Jay Daiter The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councillor Daiter	
	Councillor Armand Giguere The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councillor Giguere	
	Councillor Jane Jantunen The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councillor Jantunen	
	Councillor Ron Melhuish The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councillor Melhuish	
	Councillor William Assad The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councilor Assad	
	Councillor Chris Walterson The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councilor Walterson	

GROUP	ADDRESS	DEAR	COMMENT
	Councillor Mary Moylan The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councilor Moylan	
	Councillor Kevin Melanson The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councilor Melanson	
	Roy Sinclair, CAO The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Mr. Sinclair	
	Brian Aaltonen, Director Public Services The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Mr. Aaltonen	
Emergency Service Providers	Ontario Provincial Police (Greenstone) Highway 11 Geraldton, ON P0T 1M0	Sir/Madam	
	Stephane Leblanc Superintendent, EMS District Operations Superior North Emergency Medical Services 401 E. Donald St. Thunder Bay ON P7E 5V1	Mr. Leblanc	

GROUP	ADDRESS	DEAR	COMMENT
	Marc Tousignant Superintendent, EMS Operations Superior North Emergency Medical Services 401 E. Donald St. Thunder Bay ON P7E 5V1	Mr. Tousignant	
School Boards	Superior-Greenstone School Board P. O. Bag A - 12 Hemlo Drive Marathon, Ontario P0T 2E0	Sir/Madam	
Railways	Canadian National Railway Company Montreal (Headquarters) 935 de La Gauchetiere St. West Montreal, Québec H3B 2M9	Sir/Madam	
	Canadian Pacific Railway 1290 central Parkway West Mississauga, ON L5C 4R3	Sir/Madam	
Medical Care	Thunder Bay District Health Unit Main Office 999 Balmoral Street Thunder Bay, ON P7B 6E7	Sir/Madam	
	Thunder Bay District Health Unit Geraldton Branch P. O. Box 1360 510 Hogarth Ave., W. Geraldton, ON P0T 1M0	Sir/Madam	
Utilities	Don McClusky Union Gas 1211 Amber Drive Thunder Bay, ON P7A 8B2	Mr. McClusky	

GROUP	ADDRESS	DEAR	COMMENT
	Bishop Racicot HydroOne 255 Burwood Road P. O. Box 10309 Thunder Bay, ON P7B 6T8	Mr. Racicot	
	Bell Canada 229 Vickers St. S. Thunder Bay, ON P7B 6J9	Sir/Madam	
	Paul Mascarin TBay Tel OPE Specialist TBayTel 1050 Lithium Drive Thunder Bay, ON P7B 6G3	Mr. Mascarin	
Other	Don Gresh Land Representative TransCanada PipeLines Station 68, RR#16 Compressor Station Rd Thunder Bay, ON P7B 6B3	Mr. Gresch	
	Eric Pietsch, President Geraldton District Chamber of Commerce P.O. Box 128 Geraldton, ON P0T 1M0	Mr. Pietsch	
	President North of Superior Tourism Association 605 E. Victoria Ave. Thunder Bay, ON P7C 1B1	Sir/Madam	
	Wayne Kaboni, President Longlac Chamber of Commerce P.O. Box 877 Longlac, ON P0T 2A0	Mr. Kaboni	

GROUP	ADDRESS	DEAR	COMMENT
	Geraldton Area Natural Resources Advisory Committee 208 Beamish Avenue PO Box 640 GERALDTON, Ontario P0T 1M0	Sir/Madam	
	Del Isaacs, President Longlac Historical Society P.O. Box 210 Longlac, ON P0T 2A0	Mr. Isaacs	
	Longlac Snowmobile Club PO Box 748 Longlac, ON P0T 2A0	Sir/Madam	
	Longlac Cross-Country Ski Club 104 Forestry Rd. Longlac, ON P0T 2A0	Sir/Madam	
	Geraldton Community Forest Inc. 7 Popowich Dr. Geraldton, ON P0T 1M0	Sir/Madam	
	Greenstone Economic Development Corporation P.O. Box 1018 1409 Main Street Geraldton, ON P0T 1M0	Sir/Madam	
	Buchanan Northern Hardwoods Inc 94 Vibert Rd, Thunder Bay, ON P7C 5M9	Sir/Madam	
	Mike Malouf 140140 Richview Road Etobicoke, ON M9A 5C1		

GROUP	ADDRESS	DEAR	COMMENT
	Dave Koroscil Box 52 Geraldton, ON P0T 1M0		
	Louise Koroscil 369 Balsam St. Thunder Bay, ON P7A 5N9		

Appendix E – Record of Consultation

1.0 Record of Consultation

1.1 Introduction

At the outset of the project, a consultation plan and list of contacts was developed and reviewed with input from the Municipality and Ministry of Environment (MOE), including the Aboriginal Affairs Branch of the local MOE office. The Consultation Plan is enclosed as Appendix A.

Aboriginal Communities were identified for consultation based on those that are located within the Robinson-Superior Treaty Area, which encompasses the Municipality's boundaries. Additionally, two Métis groups in the Greenstone area were identified for consultation.

Consultation with the various Government Agencies, Aboriginal Communities, special interest groups and the general public during the preparation of the Terms of Reference (ToR) was conducted in accordance with the project Consultation Plan. The following sections detail the consultation completed at each stage of the project.

1.1 Notice of Commencement

The Notice of Commencement was distributed in accordance with the Consultation Plan on the dates noted:

- Six (6) Aboriginal communities were sent a letter inviting them to participate in direct consultation – November 28, 2012;
- Posted to Municipality's Website – December 12, 2012;
- Letter notices were mailed to the Aboriginal and Métis communities not identified for direct consultation – December 18, 2012;
- Advertised in the local newspaper (Times Star) on December 19 and 26, 2012;
- Letter notices were mailed to the Government Review Agencies and identified special interest groups – December 17, 2012.

The Notice of Commencement, sample letters and distribution list are enclosed as Appendix B.

1.1.1 Aboriginal Consultation

Following the Notice of Commencement, follow-ups were made by the Municipality with the six (6) the Aboriginal Communities identified for direct consultation, as follows:

1. Attempts to contact the Long Lake #58 First Nation via telephone were made on December 4, 6, 10 and 13 2012. Messages were left, but no response was received.
2. Attempts to contact the Aroland First Nation were made via telephone on December 4, and Chief Sonny Gagnon's cell number was provided. Attempt to contact the Chief by cell phone were made December 4, 6 and 10, 2013. The voicemail box was full and a message could not be left.

3. Attempts to contact the BZA First Nation via telephone were made on December 4, 6 and 10, 2012. An emailed response from the First Nation was eventually received on February 13, 2013, see Table 1.

1.2 Notice of Public Consultation Centre

The Notice of Public Consultation was distributed in accordance with the Consultation Plan on the dates noted:

- Posted to Municipality's Website – January 25, 2013;
- Letter notices were mailed to Government Review Agencies and identified special interest groups – January 28, 2013.
- Six (6) Aboriginal communities were sent a letter inviting them to participate in direct consultation – January 30, 2013;
- Letter notices were mailed to the Aboriginal and Métis communities not identified for direct consultation – January 30, 2013;
- Advertised in the local newspaper (Times Star) on January 30 and February 6, 2013;

The Notice of Public Consultation Centre, sample letters and distribution list are enclosed as Appendix C.

The Public Consultation Centre (PCC) was held on February 11, 2013 from 4-7:30 pm at the Municipal Office in the Geraldton Ward. A total of 19 persons attended the Public Consultation Centre. A copy of the slides presented at the PCC is enclosed as Appendix D.

Comments received to March 15, 2013, the end of the comment period, are enclosed as Appendix E1.

1.3 Draft Terms of Reference Review

Following the PCC, the Terms of Reference (ToR) was drafted based on the comments received to date. The draft ToR, dated June 3, 2013, was submitted to the Government and Agency Review Team (GART) for review and comment on June 17, 2013, comments were requested to be forwarded by July 22, 2013.

Printed copies of the draft ToR were also sent to the six Aboriginal Communities identified for "direct consultation". Additionally, printed copies of the draft ToR were provided to the Red Sky Independent Metis Nation and the Greenstone Metis Council. The documents were delivered by the Municipality on August 9, 2013.

Those Aboriginal Communities identified for "limited consultation" were emailed a copy of the draft ToR for review and comment.

The comments received from the review of the draft ToR are enclosed as Appendix E2.

The Distribution Contact List and sample letters are enclosed as Appendix F.

1.4 Comments Received

The following Tables provide a summary of the correspondence received

- *Table 1 – Comments Received - Notice of Commencement & Public Consultation Centre #1*, summarizes all comments received up to and including the PCC;
- *Table 2 – Comments Received - GART*

There are no outstanding concerns identified at this time. All written comments are enclosed in chronological order as Appendix E.

1.5 Notice of Submission

The Notice of Submission is planned to be distributed in accordance with the Consultation Plan as per the following timeline:

- Posted to Municipality's Website – November 13, 2013;
- Letter notices mailed to Aboriginal/Métis communities, Government Agencies and identified special interest groups – November 13, 2013;
- Advertised in the local newspaper (Times Star) on November 13, 2013;

Printed copies of the draft ToR will be sent to the six Aboriginal Communities identified for "direct consultation". Additionally, printed copies of the draft ToR were provided to the Red Sky Independent Metis Nation and the Greenstone Metis Council. Aboriginal Communities not identified for direct consultation will be provided an electronic copy of the ToR. The Government Review Agencies will be provided with copies of the ToR in accordance with their specific request (i.e. hard copy or electronic).

The Notice of Submission and Distribution Contact List are enclosed as Appendix G.

TABLE 1 – COMMENTS RECEIVED - NOTICE OF COMMENCEMENT & PUBLIC CONSULTATION CENTRE #1

	COMMENT DATE	SUMMARY OF COMMENT	SUMMARY OF ACTION/RESPONSE	ToR SECTION REFERENCE(S)
GENERAL PUBLIC				
Geraldton Resident	March 5, 2013 (email)	An extension to the review/comment period until April 15, 2013 was requested.	The comment period was extended to April 15, 2013 for this Resident. At the time of this report, no comment has been received.	N/A
Longlac Resident	March 11, 2013	Comments and ideas on various alternatives for re-use of waste products.	Various alternative methods for waste disposal/recycling have been included in the ToR.	Section 5.1, Table 5.1
GOVERNMENT AGENCY				
Ministry of the Environment	December 18, 2012	Contact information for Regional EA Coordinator	Contact List updated with new information	N/A
Transport Canada	January 15, 2013 (email)	Transport Canada is concerned with the risks posed by impacts between aircraft and birds, administration of the Navigable Waters Protection Act (NWPA) and the Railway Safety Act. Recommendations and guidance were provided for consideration to limit the potential impacts between aircraft and birds, applications under the NWPA and railway safety considerations.	No response necessary. The recommendations and guidance provided will be reviewed during the environmental assessment process.	Section 8 Section 11 Appendix B, Tables B2 and B3 Appendix H
Ministry of Natural Resources	March 1, 2013 (letter)	Potential sites may be on either Crown or patented land. MNR's interests include impacts to fish and wildlife on and adjacent to the site as well as impact to adjacent land uses such as public recreation, tourism and forest industries. An internal database is maintained of these uses and will be used to review the potential sites. Sites on Crown land will require some form of tenure, likely patent. Various other approvals/licenses may be required. The MNR must be kept informed throughout the process.	No response necessary. The impacts on and adjacent to the potential sites are required to be reviewed during the EA stage of the project.	Section 11 Appendix B, Tables B2 and B3 Appendix C, Table C1 Appendix D, Table D1
Ministry of Aboriginal Affairs	March 5, 2013 (letter)	Information on First Nation and Métis communities that may potentially be impacted by the project.	No response necessary. The communities noted are on the project contact list for consultation.	Appendix D, Table D1
Ministry of Tourism, Culture and Sport	March 15, 2013 (email)	Information and recommendations provided with respect to Archaeological resources, Built Heritage Resources and Cultural Heritage Landscapes.	The recommendations have been incorporated into the ToR.	Appendix A, Table A1 Appendix B, Table B1 Appendix F Appendix G
ABORIGINAL				
Red Sky Métis Independent Nation	February 4, 2013 (email)	Could not find link to ToR on Municipality's website. Would like to be added to the mailing list.	Link to ToR was provided as was a hard copy of the draft ToR. The Red Sky Métis Nation is on the direct mailing list.	N/A
Red Sky Métis Independent Nation	March 14, 2013 (verbal & email)	What is the preferred alternative? Why is the existing Geraldton Landfill site not being considered in any way? Of particular interest to the RSMIN, beyond environmental concerns, would be any information regarding artefacts or	A preferred alternative has not been selected. The evaluation of the alternatives and selection of the preferred alternative will follow this project as the Environmental Assessment. The existing site Geraldton landfill site is expected to be at capacity in 2014 and will likely be closed in accordance with closure plan. This is a separate project. Contact details were	Appendix B, Table B3

TABLE 1 – COMMENTS RECEIVED - NOTICE OF COMMENCEMENT & PUBLIC CONSULTATION CENTRE #1

		archaeological discoveries and any potential impacts on hunting and fishing rights.	provided for Geraldton Landfill expansion and closure project. Items of cultural interest as well as potential impacts on hunting and fishing rights will need to be reviewed during the site selection process.	
Ginoogaming First Nation	December 5, 2012 (verbal)	Would like to see recycling program in the future.	No response necessary, recycling is being considered in the review of alternatives.	Section 5.1, Table 5.1
Greenstone Métis Council	December 4, 2012 (verbal)	No issues at this time, supports the Municipality	No response necessary.	N/A
Bingwi Neyaashi Anishinaabek (Sand Point First nation)	December 7, 2012 (email)	BNA is a new community and is currently working on capital planning and preliminary studies for development of the reserve lands. The community is not interested in hosting a solid waste disposal site on reserve and is therefore interested in working with the Municipality in the selection of a new facility off-reserve for the long term use of the First Nation. A meeting was requested with the Municipality.	A meeting will be scheduled with the First Nation.	N/A
Animbiigoo Zaagi'igan Anishinaabek (AZA)	January 10, 2012 (verbal)	Email correspondence to Chief Metansinine at ymetansinine@aza.ca.	Letter and Notice of Commencement email as requested. All future correspondence will be mailed and emailed.	N/A
Biinjitiwaabik Zaaging Anishinaabek (Rocky Bay First Nation)	February 13, 2013 (email)	It may be time to start discussion on potential carbon credit education and programs in the Environmental Assessment.	A copy of the draft ToR was provided by email. An offer was extended to meet with the First Nation if requested.	Section 5.1, Table 5.1
Pic Mobert First Nation	January 23, 2012 (verbal)	Requested information with respect to new landfill location.	It was noted that the site selection process has not yet begun.	N/A

TABLE 2 – COMMENTS RECEIVED - GART

	COMMENT DATE	SUMMARY OF COMMENT	SUMMARY OF ACTION/RESPONSE	ToR SECTION REFERENCE(S)
GOVERNMENT AGENCY				
Ministry of the Environment – Technical Support Section Northern Region	July 9, 2013	Provides a list of specific items to be included in the ToR for the comparison of groundwater quality and quantity effects for each alternative.	The recommended items are included in the final ToR.	Section 7.3
Ministry of Tourism, Culture and Sport	July 15, 2013	Section 7.3 – the word ‘significant’ is not required to describe archaeological/cultural heritage assessments. The assessments themselves will determine the significance or value.	The word “significant” has been removed	Section 7.3
Ministry of the Environment – Environmental Approvals Branch	July 17, 2013	The ToR does not identify the MOE guidelines and documents that need to be used to assess the noise impacts from the proposed project. The ToR identified the required approval as a “Certificate of Approval”, this have been recently revised to “Environmental Compliance Approval”.	The necessary guidelines and documents are referenced in the ToR. Certificate of Approval will be revised to Environmental Compliance Approval.	Section 7.3
Ministry of Natural Resources	July 19, 2013	Page 5, Table 4.1 – population projections in the ToR conflict with the projections in the Greenstone’s Grow Plan. The projections of the Grow Plan should be used in evaluating the alternatives. Page 10/11, Section 7.3 – provides suggested additions to list of studies and evaluations Page 12, Section 8.1 – Suggestion to include a better description, more accurate of watershed description and include a map Add a reference to the Lake Nipigon Signature Site Management Strategy Page 13, Section 8.2 - First Nations are not within Municipal Boundaries. All are governed independently of the municipality. Page 13, Section 8.3 – include a mention of other highways within the municipality. Transportation of waste on those highways is a potential issue. Note that Via Rail also provides service in Caramat. Page 14, Section 8.4 – provides additions to potential effects for consideration. Page 15, Section 10.1 – consider adding reference to local	Possible population increases as discussed in the Grow Greenstone Plan addressed in the ToR. Suggestions added to list of studies and Evaluations. Revision to the description of the area and watershed. Added Revised wording with respect to First Nation Communities bordering the Municipality. Added discussion on all highways in the Municipality Added Via Rail service in Caramat Added suggested potential effects Added reference to local Metis	Section 4. Section 7.3 Section 8.1 Section 8.1 Section 8.2 Section 8.3 Section 8.3 Section 8.4 Section 10.1

TABLE 2 – COMMENTS RECEIVED - GART

		<p>Metis communities.</p> <p>Appendix A, Table A1 – provides suggested additions to evaluation criteria</p> <p>Appendix B, Table B1 – suggests the inclusion of definitions for excluded lands</p> <p>Appendix B, Table B3 – include effect on resource harvest</p> <p>Appendix D – update list with most recent contact info.</p>	<p>Added suggestions</p> <p>Added definition for excluded lands</p> <p>Included effect on resource harvest as an indicator</p> <p>Contact list updated</p>	<p>Table A1, Appendix A</p> <p>Table B1, Appendix B</p> <p>Table B3, Appendix B</p> <p>Contact List</p>
Ministry of the Environment – Environmental Approvals Branch	July 22, 2013	<p>Waste management regulations O. Reg. 347/90 and O. Reg. 232/98 are not mentioned in the ToR. They will need to be considered in the evaluation of alternatives.</p> <p>Add Environmental Compliance Approval for Waste to Section 12.</p>	Noted regulations and ECA for Waste added	Section 7.3 and Section 12
Ministry of the Environment – Environmental Approvals Branch	July 23, 2013	<p>Appendix B, Table B1 – consider increasing the landfill influence area to a 500 m perimeter around the landfill.</p> <p>Appendix D, Table D1 – provides suggested additions/deletions to the contact list.</p>	<p>Landfill area of influence increased to 500 m</p> <p>Additions/deletions to the contact list completed</p>	<p>Table B1, Appendix B</p> <p>Contact List</p>
Ministry of the Environment – Technical Support Section Northern Region	July 30, 2013	<p>Include baseline water quality data for short listed sites in the EA and how the baseline data will be collected and used to determine surface water quality/quantity effects for each of the alternatives.</p> <p>Include site specific information in the EA (i.e. site history, other impacts/uses) sampling/monitoring techniques, mitigation strategies contingency plans etc.</p>	Added more detail on water quality/quantity effects	Section 7.3
Ministry of the Environment – Environmental Assessment and Approvals Branch	August 1, 2013	The draft Terms of Reference is acceptable.	No action required	N/A
Ministry of the Environment – Environmental Approvals Branch	August 2, 2013	Inquiring if the draft ToR has been provided to the Red Sky Independent Metis Nation and Greenstone Metis Council.	Both the Red Sky Independent Metis Nation and the Greenstone Metis Council were provided with a copy of the draft ToR.	N/A
Ministry of the Environment – Environmental Approvals Branch	August 2, 2013	Provides suggested wording for section 11 to allow for sufficient flexibility in modifying the ToR.	Wording revised as suggested	Section 11
Ministry of the Environment – Environmental Approvals Branch	August 2, 2013	<p>Section 1 – abbreviations should be used at the initial reference and all abbreviations should be defined</p> <p>Section 2 – Greater clarity is required regarding what EA approach the proponent will take, i.e. focused or unfocused.</p> <p>Figure 2.1 is compromised due to low resolution.</p>	<p>Revised</p> <p>Clarified</p> <p>Resolution of the graphic improved</p>	<p>Throughout</p> <p>Section 2</p> <p>Figure 2.1</p>

TABLE 2 – COMMENTS RECEIVED - GART

		<p>Section 6 – the text indicates plurality (e.g. “have been selected” and “for the preferred options”), please revise.</p> <p>Change text to read “if a landfill expansion is the preferred Alternative To, then...” for clarity since “Alternatives To” and “Alternative Methods” are both being considered.</p> <p>Section 7, Table 7.1 – include potential data sources in the ToR as per the Code of Practice</p> <p>Section 7.3 – consider stating that studies will be conducted in compliance with all applicable regulations and in consultation with the appropriate review agencies.</p> <p>Appendix A – include the text “specific parameters will be confirmed with review agencies during the EA”.</p> <p>Section 8 – There is no overt discussion of the “built” environment. Discussion could be included in Section 8.2 if “Built” is included in the heading.</p> <p>Section 9 – Ensure the consultation plan is revised to include equal consultation for all Aboriginal communities (i.e. no distinction between communities for direct and limited consultation).</p> <p>Section 10 – section does not provide enough flexibility for modifying the ToR due to changes in the regulatory environment or other unknowns which may arise during the process.</p> <p>Section 11 – the proponent may wish to coordinate the EA process with federal government, CEAA, if required.</p> <p>Section 13 – the text in the first paragraph is confusing. Consider revising to read “An EA Report will document the EA, which will be carried out in accordance with...”</p>	<p>Revised to singular tense</p> <p>Wording Revised</p> <p>Potential data sources included</p> <p>Statement added</p> <p>Suggested text added as a note to the Table</p> <p>Discussion of “built” environment included</p> <p>Revised</p> <p>Revised with suggested wording provided</p> <p>A project description will be send to federal authorities</p> <p>Revised as suggested</p>	<p>Section 6</p> <p>Section 6</p> <p>Table 7.1, A1 & B3</p> <p>Section 7.3</p> <p>Table A1</p> <p>Section 8.3</p> <p>Section 10.1</p> <p>Section 11</p> <p>Section 12</p> <p>Section 13</p>
ABORIGINAL				
Bingwi Neyaashi Anishinaabek (Sand Point First nation)	August 15, 2013	<p>Change to Chief and council contacts.</p> <p>BNA is a new community that expects to have people living on reserve lands in the next few years. It is important that BNA works closely with the Municipality to ensure an arrangement can be made for solid waste generated on reserve.</p>	<p>Contacts Revised</p> <p>The Municipality will maintain contact with the BNA during the EA process</p>	<p>Contact List</p> <p>N/A</p>

APPENDIX A
CONSULTATION PLAN

Public, Interest Group & Review Agency Consultation

The following points of contact will be made with the public, interest groups and review agencies:

1. Notice of Commencement
 - a. Advertised in the local newspaper, Geraldton Longlac Times Star.
 - b. Letter notices delivered via mail to the attached contact list of agencies and interest groups.
 - c. Posted to the project website, www.greenstone.ca.

2. Notice of Public Meetings (one public meeting is anticipated for the preparation of the ToR)
 - a. Same as above for Notice of Commencement; and,
 - b. All persons/groups previously expressing an interest in the project will be contacted directly (by mail) for all future correspondence following their expression of interest.

3. Notice of Submission
 - a. Same as above for Notice of Public Meetings.

All mailed notices will be delivered approximately 2 weeks prior to public meetings. Newspaper notices will be published in two newspaper publications leading up to the event.

Available information will be posted to the project website in advance of public meetings.

Aboriginal Consultations

Consultation with Aboriginal communities at the Terms of Reference stage is intended to allow the proponent to identify and consider potential concerns and issued of Aboriginal communities and to provide those communities with an opportunity to receive information about an have meaningful input into the development of the ToR. Aboriginal Consultations for this project will be undertaken directly by the Municipality. The following is the Aboriginal consultation plan for the preparation of the Terms of Reference:

- a. Contact the Aboriginal Communities within the Greenstone Area (see attached list), via letter inviting them to meet with Municipal officials to discuss the project. The letter will be followed up by a phone call to schedule a meeting.
- b. Contact, via letter, the remaining Matawa First Nations, all other communities within the Robinson-Superior Treaty area, the Métis Nation of Ontario and the Red Sky Independent Métis Nation notifying them of the project and inviting their comments/queries (see attached list of communities). No specific invitation to a meeting with the Municipality is required.

- c. Similar correspondence, depending on the interest of each community, will be made for each phase of the project (i.e. Notice of Commencement, Notice of Public Consultation and the Notice of Submission).
- d. The correspondence to the Aboriginal communities will precede other correspondences directed at the general public.

Record of Consultation

The consultation activities and their results must be documented in a Record of Consultation for inclusion into the Terms of Reference submitted to the MOE for approval. The Record of Consultation will:

- Identify all persons consulted during the terms of reference preparation and how they were identified;
- Describe the consultation activities which took place (methods, schedule of events, notification that was given about the activity and material used);
- Describe how interested Aboriginal communities were identified and how they were consulted;
- Clearly and accurately summarize the comments made by all interested persons during the preparation of the terms of reference;
- Describe the proponents response and how concerns were considered in the development of the terms of reference;
- Describe any outstanding concerns;
- Include all notification information;
- Include all hand out/display information provided at consultation events;
- Include minutes of any meetings held with interested persons;
- Include copies of written comments received from interested persons.

All comments received and responses to comments will be summarized in a table complete with reference to the where the comments have been addressed in the ToR.

Comments from the General Public will be arranged by type (i.e. comments on water quality will be grouped together). Comments from Agencies/Aboriginal Communities will be organized by agency/community, not by issue type.

Aboriginal Contact List for Direct Consultation

Long Lake #58 First Nation
P.O. Box 609
Longlac, ON
P0T 2A0

Ginoogaming First Nation
P.O. Box 89
Longlac, ON
P0T 2A0

Bingwi Neyaashi Anishinaabek
146 Court St. S.
Thunder Bay, ON
P7B 2X6

Biinjitiwaabik Zaaging Anishinaabek
501 Spirit Bay Road
General Delivery
MacDiarmid, Ontario
P0T 2B0

Animbiigoo Zaagi'igan Anishinaabek
204 Main St.
P.O. Box 120
Beardmore, ON
P0T 1G0
Email: ymentansinine@aza.ca

Aroland First Nation
P.O. Box 390
Nakina, ON
P0T 2H0

Aboriginal Contact List for Limited Consultation

Gull Bay First Nation
General Delivery
Gull Bay, ON
POT 1P0

Eabametoong First Nation
Eabamet Lake Post Office
Fort Hope, ON
POT 1L0

Fort William First Nation
90 Anemki Drive, Suite 200
Thunder Bay, ON
P7J 1L3

Hornepayne First Nation
P.O. Box 1553, 274 Front Street
Hornepayne, ON
P0M 1Z0

Michipicoten First Nation
P.O. Box 1, Site 8, RR#1
Wawa, ON
P0S 1K0

Marten Falls First Nation
General Delivery
Ogoki Post, ON
POT 2L0

Namaygoosisagagun First Nation
195 Park Avenue
Thunder Bay, ON
P7B 1B9

Neskantaga First Nation
P.O. Box 105
Lansdowne House, ON
POT 1Z0

Pays Plat First Nation
10 Central Place
Pays Plat, Ontario
POT 3C0

Nibinamik First Nation
General Delivery
Ontario
POT 3B0

Pic Mobert First Nation
P.O. Box 717
Mobert, ON
P0M 2J0

Webequie First Nation
Box 268
Webequie, ON
POT 3A0

Pic River First Nation
78 Pic River Rd. Box 193
Heron Bay, Ontario, ON
POT 1R0

Red Sky Métis Independent Nation
406 East Victoria Avenue
Thunder Bay, Ontario
P7C 1A5

Red Rock Indian Band
P.O. Box 1030
Nipigon, Ontario
POT 2J0

William Gordon, President
Greenstone Métis Council
205 Clarke Ave. PO Box 825
Geraldton, ON
POT 1M0

Constance Lake First Nation
PO Box 4000
Constance Lake, ON P0L 1B0

APPENDIX B

NOTICE OF COMMENCEMENT

NOTICE OF COMMENCEMENT OF TERMS OF REFERENCE



Municipality of Greenstone Landfill Environmental Assessment

The Corporation of the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

The Process

This study will be carried out in accordance with the requirements of the *Environmental Assessment Act*. The first step in the process is the preparation of a terms of reference. The terms of reference will set out the proponent's framework and work plan for addressing the *Environmental Assessment Act* requirements when preparing the environmental assessment, including such things as the alternatives that will be considered and the public consultation activities that will be carried out. If approved by the Minister, the terms of reference will provide the framework and requirements for the preparation of the environmental assessment.

Consultation

Members of the public, agencies and other interested persons are encouraged to actively participate in the planning process by attending consultation opportunities or contacting staff directly with comments or questions. Consultation opportunities are planned throughout the planning process and will be advertised by newspaper (Geraldton/Longlac Times Star). The Municipality will also create a project website which the public can access at www.greenstone.ca.

For Further information on the proposed study please contact:

Kathy Bemben, P. Eng.
Engineering Northwest Ltd.
(A Division of Hatch Mott MacDonald)
200 S. Syndicate Ave. Suite 301
Thunder Bay, ON P7E 1C9
Email: kathy.bemben@hatchmott.com
Phone: 807-623-3449 x. 225
Fax: 807-623-5925
Project Website: www.greenstone.ca



Under the *Freedom of Information and Protection of Privacy Act* and the *Environmental Assessment Act*, unless otherwise stated in the submission, any personal information such as name, address, telephone number and property location included in a submission will become part of the public record files for this matter and will be released, if requested, to any person.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

November 28, 2012

Chief Sonny Gagnon
Aroland First Nation
P.O. Box 10
Aroland, ON
P0T 1B0

Sample of letter distributed to Six
(6) Aboriginal Communities
selected for direct consultation.

Dear Chief Gagnon,

Re: New Municipal Landfill Site Selection Consultation

The Corporation of the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

The Municipality wishes to consult with your First Nation community to identify any potential concerns or issues, and receive meaningful input from the First Nation community, regarding the site selection process of a new waste management (landfill) site.

We respectfully request to arrange a meeting in your community to discuss preliminary project details, and would like to hear from you regarding a suitable meeting date. I can be contacted directly at (807) 854-8529.

Sincerely,

Brian Aaltonen, Director of Public Services

cc. Roy Sinclair, Chief Administrative Officer

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

December 18, 2012

Chief & Council
Eabametoong First Nation
P.O. Box 298
Fort Hope, ON
P0T 1L0

Sample of letter distributed to
Aboriginal communities identified
for limited consultation.

Dear Chief & Council:

Re: New Municipal Landfill Site Selection Consultation

The Corporation of the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

The Municipality encourages the participation of your community in the planning process for this project. Please see the attached Notice of Commencement for additional details.

Additional notifications will be provided as the project proceeds. Please address any questions or concerns to me by contacting me directly at (807) 854-8529.

Sincerely,

Brian Aaltonen
Director of Public Services

cc. Roy Sinclair, Chief Administrative Officer

Encl.

ENL



Engineering Northwest Ltd.

Consulting Engineers

December 17, 2012

PN 11058 ENV

**Sample letter distributed to
Government agencies and
interest groups**

Re: Notice of Commencement of Terms of Reference
Municipality of Greenstone
Landfill Environmental Assessment

Please be advised that the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review the alternative options for municipal solid waste management within the Municipality.

The purpose of this letter is to introduce the study and invite any comments or concerns you may have.

The Notice of Commencement is attached, which includes information on the project. If you have any comments, concerns or questions, or would like additional information about the study, please contact the undersigned as indicated in the notice.

Yours truly,
Engineering Northwest Ltd.
A Division of Hatch Mott MacDonald

Kathy Bemben, P. Eng.,
Project Manager

Enclosure

c.c. B. Aaltonen, Municipality of Greenstone
ENL/file

GROUP	ADDRESS
Ministry of the Environment	Agatha Garcia-Wright Director, Environmental Assessment (Acting) Environmental Assessment and Approvals Branch 2 St. Clair Ave. West Floor 12A Toronto, ON M4V 1L5
	Paula Allen, APEP Supervisor Technical Support (Sudbury) Ministry of the Environment 199 Larch Street Suite 1101 Sudbury ON P3E 5P9
	John P. Taylor Director – Thunder Bay Regional Office Ministry of the Environment 3 rd Floor, Suite 331 435 James St. South Thunder Bay, ON P7E 6S7
	Trina Rawn, District Manager Thunder Bay District Office Ministry of the Environment 808 Robertson St. Kenora, ON P9N 1X9

GROUP	ADDRESS
Ministry of Natural Resources	Allen Willcocks Regional Director – Northwest Region Ministry of Natural Resources 435 James St. S., Suite 221A Thunder Bay, ON P7E 6S7
	Phil Couture Area Supervisor, Geraldton - GERALDTON AREA OFFICE Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0
	Evan Armstrong Biologist - GERALDTON AREA OFFICE Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0
	Melanie Lankin Senior Lands & Waters Technical Specialist (Acting) - GERALDTON AREA OFFICE Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0

	<p>Monika Holenstein, Senior Environmental Officer Thunder Bay District 435 James St. S., Suite 331B Thunder Bay, ON P7E 6S7</p>	<p>Ministry of Transportation</p>	<p>Dale Willis Head – OPERATIONAL SERVICES Ministry of Transportation 1st Flr 615 James St S Thunder Bay ON P7E 6P6</p>
	<p>Ellen Cramm Environmental Resource Planner/EA Coordinator Technical Support (Thunder Bay) 3rd Floor, Suite 331 435 James St. South Thunder Bay, ON P7E 6S7</p>	<p>Ministry of Culture</p>	<p>Andrew Hinshelwood Archaeology Review Officer – Thunder Bay Culture Programs Unit Ministry of Tourism, Culture & Sport Suite 334 – 435 James Street South Thunder Bay, ON P7E 6S7</p>
	<p>Carrie Hutchison Environmental Resource Planner/EA Coordinator Technical Support (Thunder Bay) 3rd Floor, Suite 331 435 James St. South Thunder Bay, ON P7E 6S7</p>	<p>MNDM – Ministry of Northern Development, Mines and Forestry</p>	<p>John Guerard Manager - THUNDER BAY AND AREA Ministry of Northern Development and Mines Ontario Government Bldg Suite 332 435 James St S Thunder Bay ON P7E6S7</p>
	<p>Cindy Batista Project Officer Environmental Approvals Branch Ministry of the Environment 2 St. Clair Avenue West, 14th Floor, Toronto ON M4V 1L5</p>	<p>Ministry of Municipal Affairs and Housing</p>	<p>Lynn Buckham Regional Director (Acting) - NORTHWESTERN MUNICIPAL SERVICES OFFICE Ministry of Municipal Affairs and Housing Suite 223 435 James St S Thunder Bay ON P7E6S7</p>
	<p>Joseph Tyance Senior Advisor, Outreach & Programs Support Aboriginal Affairs Branch Ministry of the Environment, Northern Region 435 James St. S., Suite 331 Thunder Bay, ON P7C 6S7</p>		<p>Murray Armstrong Planner - COMMUNITY PLANNING AND DEVELOPMENT Suite 223 435 James St S Thunder Bay ON P7E6S7</p>

Federal Government	Environment Canada 4905 Dufferin Street Toronto, ON M3H 5T4	Ministry of Aboriginal Affairs	Pam Wheaton Director - ABORIGINAL AND MINISTRY RELATIONSHIPS BRANCH - RESOURCE AND ECONOMIC DEVELOPMENT Ministry of Aboriginal Affairs 9th Flr, 160 Bloor St E Toronto ON M7A2E6
	Neville Ward Senior Habitat Biologist Fisheries and Oceans Canada 100 Main Street Suite 425 Thunder Bay ON P7B 6R9		Wendy Cornet Manager (Acting) - CONSULTATION UNIT Ministry of Aboriginal Affairs 9th Flr, 160 Bloor St E Toronto ON M7A2E6
	Tom Kleinboeck Fish Habitat Biologist Fisheries and Oceans Canada Northern Ontario District - Thunder Bay Office 100 Main Street, Suite 425 Thunder Bay, Ontario P7B 6R9	Emergency Service Providers School Boards Railways Medical Care Utilities	Ontario Provincial Police (Greenstone) Highway 11 Geraldton, ON P0T 1M0
	Debra D Taylor Regional Director General, Ontario Transport Canada Regional Director General's Office - Ontario Region 4900 Yonge Street North York, Ontario M2N 6A5		Stephane Leblanc Superintendent, EMS District Operations Superior North Emergency Medical Services 401 E. Donald St. Thunder Bay ON P7E 5V1
	Transport Canada Thunder Bay 33 Court Street South Thunder Bay, Ontario P7B 2W6		Marc Tousignant Superintendent, EMS Operations Superior North Emergency Medical Services 401 E. Donald St. Thunder Bay ON P7E 5V1

	<p>Lucy Butts Regional Director General, Ontario Region Health Canada REGIONAL DIRECTOR GENERAL'S OFFICE 180 Queen Street West Toronto, Ontario M5V 3L7</p>		<p>Superior-Greenstone School Board P. O. Bag A - 12 Hemlo Drive Marathon, Ontario P0T 2E0</p>
	<p>Canadian Environmental Assessment Agency Place Bell Canada 160 Elgin Street, 22nd Floor Ottawa, Ontario K1A 0H3</p>		<p>Canadian National Railway Company Montreal (Headquarters) 935 de La Gauchetiere St. West Montreal, Quebec H3B 2M9</p>
	<p>Infrastructure Canada Communications 6th Floor, 90 Sparks Street Ottawa, ON K1P 5B4</p>		<p>Canadian Pacific Railway 1290 central Parkway West Mississauga, ON L5C 4R3</p>
First Nations & Métis	<p>Métis Consultation Unit Métis Nation of Ontario Head Office 500 Old St. Patrick Street, Unit D Ottawa, ON K1N 9G4</p>		<p>Thunder Bay District Health Unit Main Office 999 Balmoral Street Thunder Bay, ON P7B 6E7</p>
			<p>Thunder Bay District Health Unit Geraldton Branch P. O. Box 1360 510 Hogarth Ave., W. Geraldton, ON P0T 1M0</p>
Municipality	<p>Mayor Renald Beaulieu The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Don McClusky Union Gas 1211 Amber Drive Thunder Bay, ON P7A 8B2</p>

	<p>Councillor Jay Daiter The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Bishop Racicot HydroOne 255 Burwood Road P. O. Box 10309 Thunder Bay, ON P7B 6T8</p>
	<p>Councillor Armand Giguere The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Bell Canada 229 Vickers St. S. Thunder Bay, ON P7B 6J9</p>
	<p>Councillor Jane Jantunen The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Paul Mascarin TBay Tel OPE Specialist TBayTel 1050 Lithium Drive Thunder Bay, ON P7B 6G3</p>
	<p>Councillor Ron Melhuish The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>	<p>Other</p>	<p>Don Gresh Land Representative TransCanada PipeLines Station 68, RR#16 Compressor Station Rd Thunder Bay, ON P7B 6B3</p>
	<p>Councillor William Assad The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Eric Pietsch, President Geraldton District Chamber of Commerce P.O. Box 128 Geraldton, ON P0T 1M0</p>
	<p>Councillor Chris Walterson The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>President North of Superior Tourism Association 605 E. Victoria Ave. Thunder Bay, ON P7C 1B1</p>

	<p>Councillor Mary Moylan The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Wayne Kaboni, President Longlac Chamber of Commerce P.O. Box 877 Longlac, ON P0T 2A0</p>
	<p>Councillor Kevin Melanson The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Geraldton Area Natural Resources Advisory Committee 208 Beamish Avenue PO Box 640 GERALDTON, Ontario POT 1M0</p>
	<p>Roy Sinclair, CAO The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Del Isaacs, President Longlac Historical Society P.O. Box 210 Longlac, ON P0T 2A0</p>
	<p>Brian Aaltonen, Director Public Services The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Longlac Snowmobile Club PO Box 748 Longlac, ON P0T 2A0</p>
			<p>Longlac Cross-Country Ski Club 104 Forestry Rd. Longlac, ON P0T 2A0</p>
			<p>Geraldton Community Forest Inc. 7 Popowich Dr. Geraldton, ON P0T 1M0</p>
			<p>Greenstone Economic Development Corporation P.O. Box 1018 1409 Main Street Geraldton, ON P0T 1M0</p>

APPENDIX C
NOTICE OF PCC

NOTICE OF PUBLIC CONSULTATION CENTRE



Municipality of Greenstone Landfill Environmental Assessment

The Corporation of the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

The first step in the process is the preparation of a terms of reference (ToR). The ToR sets out the proponent's framework and work plan for addressing the *Environmental Assessment Act* requirements when preparing the environmental assessment, including such things as the alternatives that will be considered and the public consultation activities that will be carried out.

A draft ToR has been prepared and is currently available for review on the project website (www.greenstone.ca).

A **Public Consultation Centre** is scheduled as follows to review the draft Terms of Reference:

Location: Geraldton Ward Municipal Office (Lobby)
1800 Main St., Geraldton

Date: Monday, February 11th, 2013
4:00 PM to 7:30 PM

Following the public consultation centre, comments are invited for incorporation into the planning of this project and will be received until Friday March 15th, 2013. Subsequently, the proposed ToR will be placed on the public record for a 30-day review and comment period and will also be submitted to the Ministry of the Environment for review and approval.

For Further information on the proposed study or to be added to our mailing list please contact:

Kathy Bemben, P. Eng.
Engineering Northwest Ltd.
(A Division of Hatch Mott MacDonald)
200 S. Syndicate Ave. Suite 301
Thunder Bay, ON P7E 1C9
Email: kathy.bemben@hatchmott.com
Phone: 807-623-3449 x. 225
Fax: 807-623-5925
Project Website: www.greenstone.ca



This Notice issued January 30th 2013.

Under the *Freedom of Information and Protection of Privacy Act* and the *Environmental Assessment Act*, unless otherwise stated in the submission, any personal information such as name, address, telephone number and property location included in a submission will become part of the public record files for this matter and will be released, if requested, to any person.

ENL



Engineering Northwest Ltd.

Consulting Engineers

January 28, 2013

PN 11058 ENV

Sample of letter distributed to government agencies and interest groups.

Re: Notice of Public Consultation Centre
Municipality of Greenstone
Landfill Environmental Assessment

Please be advised that the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review the alternative options for municipal solid waste management within the Municipality.

The purpose of this letter is to provide notification of the upcoming Public Consultation Centre (PCC).

The Notice of Public Consultation Centre is attached, which includes details regarding the upcoming event. If you have any comments, concerns or questions, or would like additional information about the study, please contact the undersigned as indicated in the notice.

Yours truly,

Engineering Northwest Ltd.
A Division of Hatch Mott MacDonald

A handwritten signature in black ink, appearing to read 'K. Bemben'.

Kathy Bemben, P. Eng.,
Project Manager

Enclosure

c.c. B. Aaltonen, Municipality of Greenstone
ENL/file

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0
January 30, 2013



Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

Chief Celia Echum
Ginoogaming First Nation
P.O. Box 89
Longlac, ON
P0T 2A0

Sample of letter distributed to
Six (6) Aboriginal communities
selected for direct consultation.

Dear Chief Echum,

Re: New Municipal Landfill Site Selection Consultation

The Corporation of the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review alternative options for municipal solid waste management within the Municipality. The first step in the process is the preparation of a Terms of Reference (ToR). The ToR will set out the proponent's framework and work plan for addressing the Environmental Assessment Act requirements when preparing the environmental assessment, including such things as the alternatives that will be considered and the consultation activities that will be carried out as part of the process.

A draft Terms of Reference has been prepared as described in the attached notice.

The Municipality would be pleased to review and discuss the draft ToR with your community at your earliest convenience. A copy of the ToR can be provided upon your request.

I can be contacted directly at (807) 854-8529 to discuss proceedings. A follow up call will be made to the Band Office in an effort to contact you and initiate consultation.

Sincerely,

Brian Aaltonen, Director of Public Services
cc. Roy Sinclair, Chief Administrative Officer
Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

January 30, 2013

Chief & Council
Webequie First Nation
P.O. Box 176
Webequie, ON
P0T 1P0

Sample of letter distributed to
Aboriginal communities identified
for limited consultation.

Dear Chief & Council:

Re: New Municipal Landfill Site Selection Consultation

The Corporation of the Municipality of Greenstone has initiated a study under the *Environmental Assessment Act* to review alternative options for municipal solid waste management within the Municipality. The first step in the process is the preparation of a Terms of Reference (ToR). The ToR will set out the proponent's framework and work plan for addressing the Environmental Assessment Act requirements when preparing the environmental assessment, including such things as the alternatives that will be considered and the consultation activities that will be carried out as part of the process.

A draft Terms of Reference has been prepared as described in the attached Notice.

The Municipality encourages the participation of your community in the planning process for this project. Please contact me directly at (807) 854-8529 should you have any questions, concerns or require additional information. A copy of the draft ToR can be provided upon request.

Sincerely,

Brian Aaltonen
Director of Public Services

cc. Roy Sinclair, Chief Administrative Officer

Encl.

Ministry of the Environment	Agatha Garcia-Wright Director, Environmental Assessment (Acting) Environmental Assessment and Approvals Branch 2 St. Clair Ave. West Floor 12A Toronto, ON M4V 1L5		Carrie Hutchison Environmental Resource Planner/EA Coordinator Technical Support (Thunder Bay) 3 rd Floor, Suite 331 435 James St. South Thunder Bay, ON P7E 6S7
	Paula Allen, APEP Supervisor Technical Support (Sudbury) Ministry of the Environment 199 Larch Street Suite 1101 Sudbury ON P3E 5P9		Cindy Batista Project Officer Environmental Approvals Branch Ministry of the Environment 2 St. Clair Avenue West, 14th Floor, Toronto ON M4V 1L5
	John P. Taylor Director – Thunder Bay Regional Office Ministry of the Environment 3 rd Floor, Suite 331 435 James St. South Thunder Bay, ON P7E 6S7		Joseph Tyance Senior Advisor, Outreach & Programs Support Aboriginal Affairs Branch Ministry of the Environment, Northern Region 435 James St. S., Suite 331 Thunder Bay, ON P7C 6S7
	Trina Rawn, District Manager Thunder Bay District Office Ministry of the Environment 808 Robertson St. Kenora, ON P9N 1X9		
	Monika Holenstein, Senior Environmental Officer Thunder Bay District 435 James St. S., Suite 331B Thunder Bay, ON P7E 6S7		
		Ministry of Natural Resources	Allen Willcocks Regional Director – Northwest Region Ministry of Natural Resources 435 James St. S., Suite 221A Thunder Bay, ON P7E 6S7
			Phil Couture Area Supervisor, Geraldton - GERALDTON AREA OFFICE Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0

	<p>Evan Armstrong Biologist - GERALDTON AREA OFFICE Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0</p>	<p>MNDM – Ministry of Northern Development, Mines and Forestry</p>	<p>John Guerard Manager - THUNDER BAY AND AREA Ministry of Northern Development and Mines Ontario Government Bldg Suite 332 435 James St S Thunder Bay ON P7E6S7</p>
	<p>Melanie Lankin Senior Lands & Waters Technical Specialist (Acting) - GERALDTON AREA OFFICE Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0</p>	<p>Ministry of Municipal Affairs and Housing</p>	<p>Lynn Buckham Regional Director (Acting) - NORTHWESTERN MUNICIPAL SERVICES OFFICE Ministry of Municipal Affairs and Housing Suite 223 435 James St S Thunder Bay ON P7E6S7</p>
<p>Ministry of Transportation</p>	<p>Dale Willis Head – OPERATIONAL SERVICES Ministry of Transportation 1st Flr 615 James St S Thunder Bay ON P7E 6P6</p>		<p>Murray Armstrong Planner - COMMUNITY PLANNING AND DEVELOPMENT Suite 223 435 James St S Thunder Bay ON P7E6S7</p>
<p>Ministry of Culture</p>	<p>Andrew Hinshelwood Archaeology Review Officer – Thunder Bay Culture Programs Unit Ministry of Tourism, Culture & Sport Suite 334 – 435 James Street South Thunder Bay, ON P7E 6S7</p>	<p>Ministry of Aboriginal Affairs</p>	<p>Pam Wheaton Director - ABORIGINAL AND MINISTRY RELATIONSHIPS BRANCH - RESOURCE AND ECONOMIC DEVELOPMENT Ministry of Aboriginal Affairs 9th Flr, 160 Bloor St E Toronto ON M7A2E6</p>

	Wendy Cornet Manager (Acting) - CONSULTATION UNIT Ministry of Aboriginal Affairs 9th Flr, 160 Bloor St E Toronto ON M7A2E6		Lucy Butts Regional Director General, Ontario Region Health Canada REGIONAL DIRECTOR GENERAL'S OFFICE 180 Queen Street West Toronto, Ontario M5V 3L7
Federal Government	Environment Canada 4905 Dufferin Street Toronto, ON M3H 5T4		Canadian Environmental Assessment Agency Place Bell Canada 160 Elgin Street, 22nd Floor Ottawa, Ontario K1A 0H3
	Neville Ward Senior Habitat Biologist Fisheries and Oceans Canada 100 Main Street Suite 425 Thunder Bay ON P7B 6R9		Infrastructure Canada Communications 6th Floor, 90 Sparks Street Ottawa, ON K1P 5B4
	Tom Kleinboeck Fish Habitat Biologist Fisheries and Oceans Canada Northern Ontario District - Thunder Bay Office 100 Main Street, Suite 425 Thunder Bay, Ontario P7B 6R9	First Nations & Métis	Métis Consultation Unit Métis Nation of Ontario Head Office 500 Old St. Patrick Street, Unit D Ottawa, ON K1N 9G4
	Environmental Coordinator Transport Canada - Ontario Region 4900 Yonge Street 4 th Floor (PHE) North York, ON M2N 6A5	Municipality	Mayor Renald Beaulieu The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0
	Transport Canada Thunder Bay 33 Court Street South Thunder Bay, Ontario P7B 2W6		Councillor Jay Daiter The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0

	<p>Councillor Armand Giguere The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Councillor Kevin Melanson The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>
	<p>Councillor Jane Jantunen The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Roy Sinclair, CAO The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>
	<p>Councillor Ron Melhuish The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Brian Aaltonen, Director Public Services The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>
	<p>Councillor William Assad The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>	Emergency Service Providers	<p>Ontario Provincial Police (Greenstone) Highway 11 Geraldton, ON P0T 1M0</p>
	<p>Councillor Chris Walterson The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Stephane Leblanc Superintendent, EMS District Operations Superior North Emergency Medical Services 815 Main St. Box 1350 Geraldton, ON P0T 1M0</p>
	<p>Councillor Mary Moylan The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0</p>		<p>Marc Tousignant Superintendent, EMS Operations Superior North Emergency Medical Services 125 Hogan Rd. P.O. Box 130 Nipigon, ON P0T 2J0</p>

School Boards	Superior-Greenstone School Board P. O. Bag A - 12 Hemlo Drive Marathon, Ontario P0T 2E0		Paul Mascarin TBay Tel OPE Specialist TBayTel 1050 Lithium Drive Thunder Bay, ON P7B 6G3
Railways	Canadian National Railway Company Montreal (Headquarters) 935 de La Gauchetiere St. West Montreal, Quebec H3B 2M9	Other	Michael Shultz TransCanada Pipelines Ltd. 450 First St. SW. Calgary, AB T2P 5H1
	Canadian Pacific Railway 1290 central Parkway West Mississauga, ON L5C 4R3		Eric Pietsch, President Geraldton District Chamber of Commerce P.O. Box 128 Geraldton, ON P0T 1M0
Medical Care	Thunder Bay District Health Unit Main Office 999 Balmoral Street Thunder Bay, ON P7B 6E7		President North of Superior Tourism Association 605 E. Victoria Ave. Thunder Bay, ON P7C 1B1
	Thunder Bay District Health Unit Geraldton Branch P. O. Box 1360 510 Hogarth Ave., W. Geraldton, ON P0T 1M0		Wayne Kaboni, President Longlac Chamber of Commerce P.O. Box 877 Longlac, ON P0T 2A0
Utilities	Don McClusky Union Gas 1211 Amber Drive Thunder Bay, ON P7A 8B2		Geraldton Area Natural Resources Advisory Committee 208 Beamish Avenue PO Box 640 GERALDTON, Ontario POT 1M0
	Dave Lloyd Customer Service Foreman HydroOne 255 Burwood Road P. O. Box 10309 Thunder Bay, ON P7B 6T8		Del Isaacs, President Longlac Historical Society P.O. Box 210 Longlac, ON P0T 2A0
	Bell Canada 229 Vickers St. S. Thunder Bay, ON P7B 6J9		Longlac Snowmobile Club PO Box 748 Longlac, ON P0T 2A0

	Longlac Cross-Country Ski Club 104 Forestry Rd. Longlac, ON P0T 2A0
	Geraldton Community Forest Inc. 7 Popowich Dr. Geraldton, ON P0T 1M0
	Greenstone Economic Development Corporation P.O. Box 1018 1409 Main Street Geraldton, ON P0T 1M0
	Buchanan Northern Hardwoods Inc 94 Vibert Rd, Thunder Bay, ON P7C 5M9

APPENDIX D

PCC PRESENTATION MATERIAL



**Municipality of Greenstone
Municipal Solid Waste Disposal Plan
Environmental Assessment
Draft Terms of Reference**

Public Information Centre

WELCOME

February 11, 2013



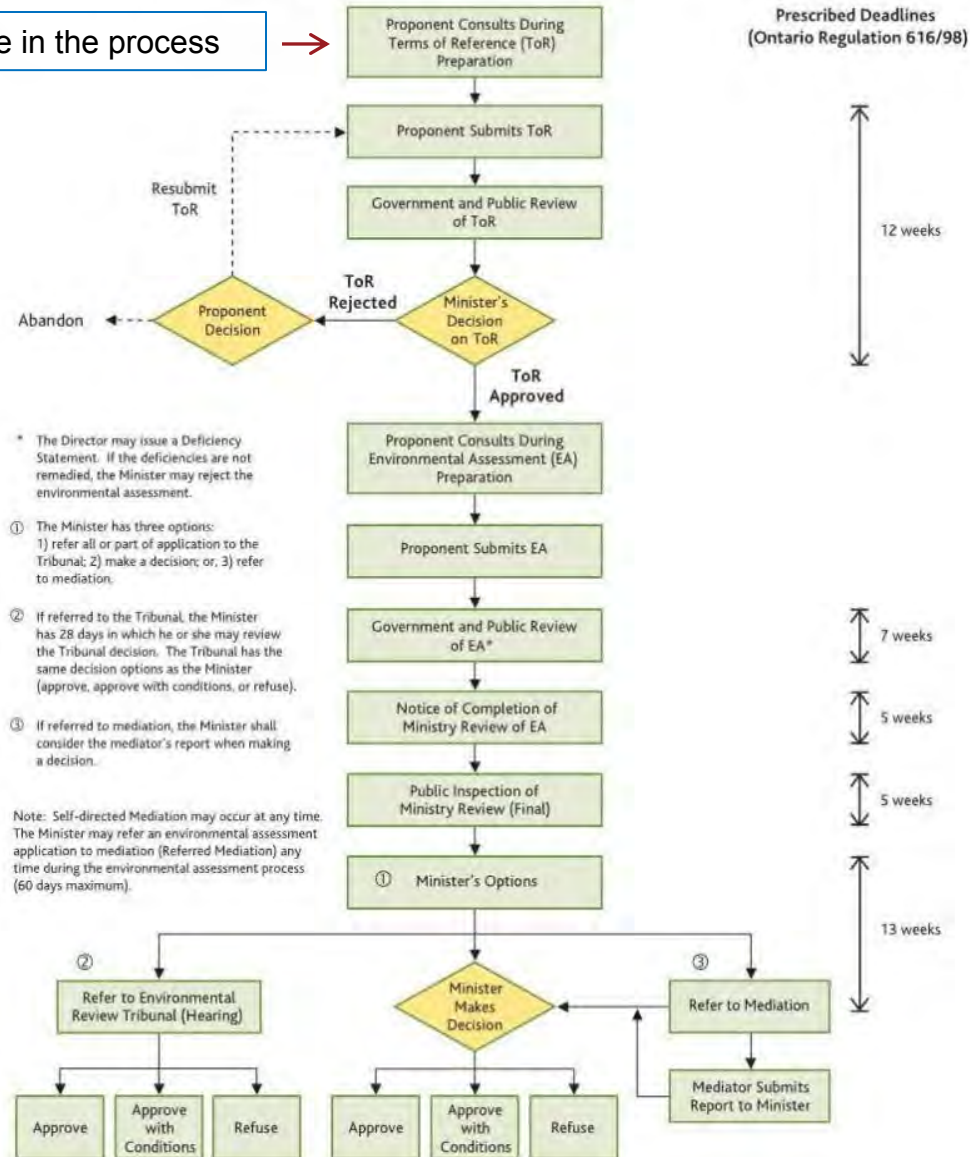
-- Project Overview

- The Geraldton landfill site is due to reach capacity by 2014
- Do to capacity issues at the Geraldton landfill, the Municipality recognizes that a long term solution to the management of solid waste is required.
- The Municipality will conduct an Environmental Assessment (EA) to review alternative options for municipal solid waste management within the Municipality.
- The first stage of the EA is to develop a Terms of Reference (TOR) in accordance with the Ontario Environmental Assessment Act.
- The TOR will establish the framework for conducting the Environmental Assessment

-- Project Steps

Environmental Assessment Process

We are here in the process →



-- Project Study Area



-- Purpose of the Proposed Undertaking

The purpose of the proposed undertaking is to create a long term (20 to 30 year) plan for the disposal of the Municipality's solid waste. The plan will be created through the Environmental Assessment (EA) process, which will be used to review and screen alternative disposal options for the Municipality.

Alternatives To Be Evaluated

Alternative	Description
Thermal Processing	Thermal processing involves the conversion of solid waste to energy, most often through a combustion process. This energy can be captured and used to generate electricity or heat, depending on the process used. While some residual waste would require disposal, this alternative would minimize that amount.
Biological Processing	Biological treatment involves the use of micro-organisms such as aerobic and anaerobic bacteria to break down and stabilize the organic portion of the waste stream. There is the potential to capture biogas in this process, which can be used to generate energy. The residual waste will require landfill disposal.
Landfill Expansion	Expand one or more of Greenstone's existing landfills to enable it to receive more waste in the future, specifically, all of the Municipality's residual waste.
Waste Diversion	Waste can be diverted from disposal through waste diversion programs. Waste not diverted will require disposal.
New Landfill	Site a new landfill. Landfilling is one of the most common and readily available used forms of disposing of residual waste.
Export of Waste	If no method of managing Greenstone's residual waste stream is available within Greenstone's borders, then waste could be sent to another private or municipal facility for disposal.
Do nothing	Maintain the status quo and continue with current disposal activities.

Methodology For Evaluation

Step	Activity
1	The “alternatives to” will be assembled into a range of alternative proposed waste management systems (e.g., landfill, waste-to-energy with landfill, etc), with each system being capable of managing all of the residual waste stream;
2	Data will be collected for use in the evaluation of the alternative proposed waste management systems (the proposed evaluation criteria are included in Appendix A of this EA TOR). Suggested indicators and data sources will be included in the background documents and may be adjusted at the initiation of this EA evaluation based on input received from agencies and the public.
3	The evaluation criteria will be applied to each of the proposed waste management systems and the potential effects identified.
4	For each effect identified under the criteria, potential measures to mitigate the effects will be considered, and the net effects for each criterion identified.
5	The net effects associated with each alternative waste management system will be compared and a list of relative advantages and disadvantages for each alternative will be developed.
6	The „alternatives to“ will be ranked based on the advantages and disadvantages of each and in context with the priorities established through the consultation process, and the preferred alternative will be selected.

Preliminary Evaluation Criteria

Category	Proposed Evaluation Criteria
Natural Environment	<ul style="list-style-type: none">• Potential for destruction or disruption of sensitive terrestrial and/or aquatic habitats at an eventual site• Potential air quality and noise impacts of operating facility
Economic	<ul style="list-style-type: none">• Total system cost• Net system costs per tonne of waste managed• Sensitivity of system costs and affordability to external influences• Legal/contractual risks associated with waste management alternative
Technical	<ul style="list-style-type: none">• Technical risks associated with waste management alternative• Proven track record of technology to manage waste
Social/Cultural	<ul style="list-style-type: none">• Potential for land use conflicts for siting of facilities required for alternative

Consultation Activities

Study Milestone	Minimum Scope of Consultation Activities
Development of TOR	<ul style="list-style-type: none"> • Notice to stakeholders to launch development of the TOR • Open house(s) for the general public, municipal officials/staff • Circulation of TOR to Government & Agency Review Team (GART) for comment • Project webpage posted on municipal website, including instructions on how to make comment during process • Posting of draft and final TOR on project webpage
Initiate EA study	<ul style="list-style-type: none"> • Notice of commencement to stakeholders through newspapers, project website, distribution to First Nations and GART
Identify “alternatives to” waste disposal options, waste diversion strategies	<ul style="list-style-type: none"> • Open house(s) for general public to learn about/provide input on “alternatives to” • Notice of open house to be posted on project website, local newspapers
Evaluate “alternatives to” waste disposal and select preferred alternative	<ul style="list-style-type: none"> • Open house(s) for general public to learn about/provide input on preferred “alternatives to” and on evaluation process for “alternative methods”
Evaluate long list of “Alternative methods” (i.e., waste management sites) and reduce to short list	<ul style="list-style-type: none"> • Notice of open house to be posted on project website, local newspapers
Identify short list of “Alternative methods”	<ul style="list-style-type: none"> • Open house(s) for general public to learn about/provide input on short list of “Alternative methods” and on evaluation process to select preferred site
Evaluate short list of “Alternative methods” and select preferred site	<ul style="list-style-type: none"> • Notice of open house to be posted on project website, local newspapers
Complete further site-specific studies to confirm suitability of site and documentation for approvals	<ul style="list-style-type: none"> • On-going liaison/consultation with affected stakeholders
EA completion	<ul style="list-style-type: none"> • Notice of completion circulated to First Nations, general public, and GART • ESR posted for public review and comment • Notices posted on project webpage

Next Steps

Comments received from the stakeholder and public review process on the ToR will be included for review by the MOE.

Once the MOE approves the ToR, an EA Report will be prepared documenting the environmental assessment undertaken in accordance with the approved ToR. At a minimum, the EA report will fulfill the requirements set out in subsection 6.1 (2) of the Environmental Assessment Act.

A draft of the EA Report will be made available for agency/public review prior to formal submission to the Ministry of the Environment (MOE). The purpose of the pre-submission review is to obtain comments on the contents of the EA report before submitting it formally to the Minister for review and approval.

Once comments from the pre-submission review are incorporated, the EA report will be formally submitted to the Minister for review and approval. The EA report will also undertake a formal public and agency review process.

Feedback & Contact Information

An important part of the approval process is obtaining feedback and input from local community members and stakeholders.

Please take the time to speak with the project team to learn more about the project and provide your input.

Brian Aaltonen
Municipality of Greenstone
1800 Main Street
PO Box 70
Geraldton, ON P0T 1M0
Tel: (807) 623-9495
aaltonen@greenstone.ca

Kathy Bemben, P. Eng.
Senior Associate
Hatch Mott MacDonald
200 S. Syndicate Ave.
Suite301
Thunder Bay, ON P7E 1C9
Tel: 807-623-3449 ext.225
kathy.bemben@hatchmott.com

APPENDIX E
COMMENTS RECEIVED

APPENDIX E1
COMMENTS RECEIVED
TO MARCH 15, 2013

Currie, Daniel

From: Hutchison, Carrie (ENE) [carrie.hutchison@ontario.ca]
Sent: December-18-12 3:38 PM
To: Bemben, Kathy
Subject: RE: Municipality of Greenstone Landfill EA

From: Hutchison, Carrie (ENE) [mailto:carrie.hutchison@ontario.ca]
Sent: December-18-12 3:20 PM
To: Bemben, Kathy
Subject: Municipality of Greenstone Landfill EA

Hello Kathy,

For future reference I am sending this note to inform you that I will be the Regional EA contact for the Municipality of Greenstone Landfill EA. Your notice was originally sent to Ellen, Cramm, but she is no longer addressing files in this area.

Regards,

Carrie

Carrie Hutchison

Regional Planner/ EA Coordinator
Technical Support Section, Northern Region
Ontario Ministry of the Environment
Suite 331, 435 James Street South
Thunder Bay, Ontario, Canada P7E 6S7
Telephone: (807) 475-1720 Toll Free: 1(800) 875-7772
Facsimile: (807) 475-1754
E-mail: carrie.hutchison@ontario.ca

Currie, Daniel

From: Currie, Daniel
Sent: January-08-13 9:39 AM
To: 'Brian Aaltonen'
Subject: RE: Greenstone Landfill Site

From: Jordan [<mailto:jhatton@shawbiz.ca>]
Sent: December-07-12 10:24 AM
To: brian.aaltonen@greenstone.ca
Cc: Paul Gladu; lairns@gmail.com
Subject: Greenstone Landfill Site

Hi Brian,

As per our conversation this morning, BNA is certainly interested in meeting with the municipality regarding a potential new location for a municipal landfill site. BNA is a new community, and we are currently working through our Capital Planning and other preliminary studies around the new reserve lands. Since the community has decided that it is not interested in hosting a solid waste site on reserve, we are interested in working with the Municipality of Greenstone in the selection of a new facility off-reserve for the long-term use of our membership.

Since the First Nation is preparing for an election in January, we would like to propose a meeting following the vote in order to bring the new Chief and Council up to speed on this matter. I will contact you following the election to set up a meeting time that is convenient to both parties.

All the best over the holiday season,

-Jordan

Jordan Hatton, M.A.
Director of Lands and Resources
Bingwi Neyaashi Anishinaabek (Sand Point First Nation)
Phone: 807-623-2724
Fax: 807-623-2764
Cell: 807-472-9619

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Currie, Daniel

From: EnviroOnt [EnviroOnt@tc.gc.ca]
Sent: January-15-13 4:01 PM
To: Bemben, Kathy
Subject: CLASS EA Municipality of Greenstone Landfill NEATS 35000
Attachments: RDIMS-#6077714-v2-NWP_APP_GUIDE_EN.PDF; Application Form June 2012.pdf

Thank you for the information regarding the above referenced project. We have reviewed the information, and note the following:

Please update your correspondence list – Please remove Debra Taylor and replace with:

Environmental Coordinator
Transport Canada - Ontario Region
4900 Yonge Street 4th Floor (PIIE)
North York, ON
M2N 6A5

Transport Canada is concerned with the risks posed by impacts between aircraft and birds. For this reason, waste facility proposals are reviewed to determine their potential to influence the probability, frequency, and severity of this problem. It is our position that all waste facility projects should include the implementation of a bird management plan which addresses aviation safety criteria, and that these facilities should commit to operating as bird-free sites. We recommend that the project considers the following general guidance:

- Seek to avoid developments that would attract birds into proximity with airports. Specifically, Transport Canada recommends against the siting or expansion of landfills within 15 km of an airport, where risks are highest. One of the compliance criteria included in Transport Canada's new Airport Wildlife Planning and Management regulation is based on waste disposal facilities situated within 15 km of the airport geometric center. These airports will be required to conduct a risk assessment and have in place a wildlife management plan.
- Since birds are known to travel up to 60 km between roosting and feeding sites, strict bird hazard management plans may need to be developed for waste facilities within this zone.
- Risks are greatest where an airport lies between a water body and a landfill, as this may cause bird flight paths to cross aeronautical flight paths.
- Once a preferred alternative is known, Transport Canada suggests that the proponent follows the advice of a consultant with experience in conducting bird hazard assessments for projects of a similar nature.

Transport Canada is responsible for the administration of the *Navigable Waters Protection Act* (NWPA), which prohibits the construction or placement of any "works" in navigable waters without first obtaining approval. If any of the related project undertakings cross or affect a potentially navigable waterway, the proponent should prepare and submit an application in accordance with the requirements as outlined in the attached Application Guide and Form. Any questions about the NWPA application process should be directed to the Navigable Waters Protection Program at **(519) 383-1863** or NWPontario-PENontario@tc.gc.ca.

Please review the *Minor Works and Waters (Navigable Waters Protection Act) Order*, established to outline the specific standards and criteria under which Transport Canada considers a work as a minor and does not require an application under the NWPA. It is the responsibility of the applicant, prior to submitting an application to the Navigable Waters Protection Program for review, to assess whether their work meets the criteria, as described, and, therefore, falls within one of the excluded classes. An application will only be required if it is determined that the work cannot meet the criteria established for that particular "class" of excluded work.

Transport Canada is also responsible for inspecting and auditing federally regulated railway companies that are subject to the *Railway Safety Act*. Transport Canada also regulates some provincial shortlines from the Province of Ontario that are part of an Agreement between the Federal Government and the Province of Ontario. The *Railway Safety Act*, with related regulations and rules, provides the legislative and regulatory framework for safe railway operations in Canada. The rail safety program develops, implements and promotes safety policy, regulations, standards and research, and in the case of railway grade crossings, subsidizes safety improvements. A list of all the Rail Safety legislations (the *Act*, Regulations, Rules, Guidelines, Policies and Standards) that applies to the federally regulated railways, can be found here:

<http://www.tc.gc.ca/eng/railsafety/legislation.htm>

The *Act* also addresses the construction and alteration of railway works, the operation and maintenance of railway equipment and certain non-railway operations that may affect the safety of federally regulated railways. If a proposed railway work is of a prescribed kind, pursuant to the *Notice of Railway Works Regulations*, the proponent shall not undertake the work unless it has first given notice of the work in accordance with the regulation. More information related to railway works is available at the following internet sites:

- *Railway Safety Act*: <http://www.tc.gc.ca/acts-regulations/acts/1985s4-32/menu.htm>
- *Notice of Railway Works Regulations*: <http://laws.justice.gc.ca/en/SOR-91-103/>
- *Standards Respecting Pipeline Crossings Under Railways*: <http://www.tc.gc.ca/eng/railsafety/standards-tce10-236.htm>
- *Guideline on Requesting Approval to Undertake Certain Railway Works*:
<http://www.tc.gc.ca/eng/railsafety/guideline-283.htm>

General inquiries about the Rail Safety Program can be directed to RailSafety@tc.gc.ca or by calling 613-998-2985.

Please address future correspondence to the Environment and Engineering group to the undersigned address:

Thank you,
Environmental Coordinator, Transport Canada - Ontario Region (PHE)
4900 Yonge Street, North York, ON M2N 6A5 EnviroOnt@tc.gc.ca

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Currie, Daniel

From: Bemben, Kathy
Sent: February-04-13 1:21 PM
To: Susan Blekkenhorst
Cc: Currie, Daniel
Subject: RE: ToR for Municipality of Greenstone Landfill EA

Hi Susan,

The Greenstone home page has a waste management icon called "Greenstone Waste Management Environmental Assessment". If you click on it will take you to the webpage that has the information on the project.

The home page website is www.greenstone.ca

We would be pleased to add you to our mailing list for this project.

Please let me know if you have any other questions.

Regards

Kathy

Kathy Bemben, P. Eng., FEC

Senior Associate

Hatch Mott MacDonald |

Suite 301, 200 S. Syndicate Ave., Thunder Bay ON P7E 1C9

T 807-623-3449 ext.225 F 807-623-5925

kathy.bemben@hatchmott.com



Hatch Mott
MacDonald

Delivering Solutions

From: Susan Blekkenhorst [<mailto:susan@rsmin.ca>]
Sent: February-04-13 1:04 PM
To: Bemben, Kathy
Cc: Donelda DeLaRonde
Subject: ToR for Municipality of Greenstone Landfill EA

Kathy,

Thank you for your notification of Jan 31, 2013 regarding the above mentioned document. I was unable to locate the ToR on the Greenstone website and would appreciate it if you would send me the link to access the document. We will not be able to attend the scheduled Open House on Feb 11, 2013 however, given many of our community members live in the Greenstone municipality, we would appreciate the opportunity to review the document and share it within the Red Sky community. We would also appreciate being added to your mailing list.

Should you require additional information, please contact us 807-623-4635 or via email at rsmn@tbaytel.net.
Our website, rsmn.ca also provides additional information about our Nation.

Meewetch

Susan Blekkenhorst
Consultation Coordinator

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Currie, Daniel

From: Ray Nobis [rnobis@rockybayfn.ca]
Sent: February-13-13 2:13 PM
To: Bemben, Kathy
Subject: greenstone EA

As EDO for my FN we have had discussions with Vicki and Co. regarding waste management both solid and mine products. It may be time to start discussion on potential carbon credit education and programs in this EA as well. I am open to a time for discussion. Thanks

Ray Nobis EDO

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Bemben, Kathy

From: Bemben, Kathy
Sent: March-01-13 12:09 PM
To: Ray Nobis
Cc: Brian Aaltonen
Subject: RE: greenstone EA
Attachments: Greenstone WM EA TOR (Draft 2012 dec 21).pdf

Hi Ray,

Thank you for your email regarding this project.

The purpose of this phase of the EA is to set up the Terms of Reference (ToR) that will be followed for the actual Environmental Assessment for the Municipalities Waste Management . I have enclosed a copy of the draft ToR, for your information. Table 5.1 of the ToR illustrates alternatives that have been identified to date for study as part of the EA.

If you would like any further information, if you have any further comments or concerns, or if you would like to meet with the Municipality, please let me know.

Regards

Kathy

Kathy Bemben, P. Eng., FEC
Senior Associate
Hatch Mott MacDonald |
Suite 301, 200 S. Syndicate Ave., Thunder Bay ON P7E 1C9
T 807-623-3449 ext.225 F 807-623-5925
kathy.bemben@hatchmott.com



From: Ray Nobis [<mailto:rnobis@rockybayfn.ca>]
Sent: February-13-13 2:13 PM
To: Bemben, Kathy
Subject: greenstone EA

As EDO for my FN we have had discussions with Vicki and Co. regarding waste management both solid and mine products. It may be time to start discussion on potential carbon credit education and programs in this EA as well. I am open to a time for discussion. Thanks

Ray Nobis EDO



Nipigon District
208 Beamish Ave. W., P.O. Box 640
Geraldton, Ontario
P0T 1M0

Ministry of
Natural Resources

Ministère des
Richesses naturelles

Tel: (807) 854-1030
Fax: (807) 854-0335

March 1, 2013

Kathy Bemben, P. Eng.
Senior Associate
Hatch Mott MacDonald
Suite 301
200 S. Syndicate Avenue
Thunder Bay, Ontario
P7E 1C9

Dear Ms. Bemben:

SUBJECT: Municipality of Greenstone Waste Disposal Plan

Thank you for your invitation to the open house at the Municipality of Greenstone, Geraldton Ward Municipal Office. Staff from our office in Geraldton did take the opportunity to attend.

Thank you for having us on your Public Consultation Mailing List as we require you to keep us informed throughout the process and particularly when the "unconstrained" sites have been determined. The potential sites within the Municipality of Greenstone may either be on Crown land or patented land. Either way, MNR's interests include impacts to fish and wildlife on and adjacent to the site as well as impacts to adjacent land uses such as public recreation, tourism and forest industries, etc. We have an internal database of these types of values which will assist with our review of the potential sites.

If the selected site is on Crown land, you will need some form of tenure, likely patent, and if it is on existing patented land, it is very likely that all trees are reserved to the Crown and a Forest Resources Licence will be required. Should approvals or licences be required from MNR for the selected location, we would require confirmation that your Environmental Assessment requirements have been met.

If you require further information or clarification, please contact Melanie Lankin A/Lands and Waters Technical Specialist, at this office at (807)854-1882.

Yours truly,

for Phil Couture
A/Geraldton Area Supervisor
Nipigon District

MJL/

cc. Brian Aaltonen, Municipality of Greenstone

Ministry of Aboriginal Affairs

160 Bloor St. East, 9th Floor
Toronto, ON M7A 2E6
Tel: (416) 326-4740
Fax: (416) 325-1066
www.aboriginalaffairs.gov.on.ca

Ministère des Affaires Autochtones

160, rue Bloor Est, 9^e étage
Toronto ON M7A 2E6
Tél. : (416) 326-4740
Télééc. : (416) 325-1066
www.aboriginalaffairs.gov.on.ca



Reference: 496

March 5, 2013

Kathy Bemben
Engineering Northwest Ltd.
200 S. Syndicate Ave. Suite 301
Thunder Bay, ON
P7E 1C9

**Re: Notice of Public Consultation Centre
Municipality of Greenstone
Landfill Environmental Assessment**

Dear Kathy Bemben:

Thank you for informing the Ministry of Aboriginal Affairs (MAA) of your project. Please note that MAA treats all letters, emails, general notices, etc. about a project as a request for information about which Aboriginal communities may have rights or interests in the project area.

As a member of the government review team, the Ministry of Aboriginal Affairs (MAA) identifies First Nation and Métis communities who may have the following interests in the area of your project:

- reserves;
- land claims or claims in litigation against Ontario;
- existing or asserted Aboriginal or treaty rights, such as harvesting rights; or
- an interest in the area of the project.

MAA is not the approval or regulatory authority for your project, and receives very limited information about projects in the early stages of their development. In circumstances where a Crown-approved project may negatively impact a claimed Aboriginal or treaty right, the Crown may have a duty to consult the Aboriginal community advancing the claim. The Crown often delegates procedural aspects of its duty to consult to proponents. Please note that the information in this letter should not be relied on as advice about whether the Crown owes a duty to consult in respect of your project, or what consultation may be appropriate. Should you have any questions about your consultation obligations, please contact the appropriate ministry.

You should be aware that many First Nations and/or Métis communities either have or assert rights to hunt and fish in their traditional territories. For First Nations, these territories typically include lands and waters outside of their reserves.

In some instances, project work may impact aboriginal archaeological resources. If any Aboriginal archaeological resources could be impacted by your project, you should contact your regulating or approving Ministry to inquire about whether any additional Aboriginal communities should be contacted. Aboriginal communities with an interest in archaeological resources may include communities who are not presently located in the vicinity of the proposed project.

With respect to your project, and based on the brief materials you have provided, we can advise that the project appears to be located in an area where First Nations may have existing or asserted rights or claims in Ontario's land claims process or litigation, that could be impacted by your project. Contact information is below:

Ginoogaming First Nation (Long Lac #77) P.O. Box 89, 101 Poplar Crescent LONG LAC, Ontario P0T 2A0	Chief Celia Echum (807) 876-2242 (Fax) 876-2495 Celia.echum@ginoogamingfn.ca
Long Lake #58 First Nation 209 Otter Street P. O. Box 609 LONG LAC, Ontario P0T 2A0	Chief Veronica Waboose (807) 876-2292 (Fax) 876-2757 Veronica.waboose@longlake58fn.ca
Biinjitiwaabik Zaaging Anishinaabek (Rocky Bay) General Delivery MACDIARMID, Ontario P0T 2B0	Chief Bart Hardy (807) 885-3401 (Fax) 885-1218 chiefandcouncil@rockybayfn.ca

For your information, MAA is aware of Métis communities that have asserted rights near your project. Contact information is below:

Greenstone Métis Council 205 Clarke Ave. P.O. Box 825 Geraldton, ON P0T 1M0	William Gordon, President (807) 854-0439 e-mail: torch50@live.ca
Red Sky Métis Independent Nation 406 East Victoria Ave. Thunder Bay, Ontario P7C 1A5	(807) 623-4635 (Fax) 623-9331 Email: rsmn@tbaytel.net

Please copy any correspondence to Greenstone Métis Council to the Métis Nation of Ontario. Contact information is below:

Métis Nation of Ontario Head Office
500 Old St. Patrick Street, Unit D
Ottawa, Ontario, K1N 9G4

Métis Consultation Unit
Fax: (613) 725-4225

The information upon which the above comments are based is subject to change. First Nation or Métis communities can make claims at any time, and other developments can occur that could result in additional communities being affected by or interested in your undertaking.

Through Aboriginal Affairs and Northern Development (AANDC), the Government of Canada sometimes receives claims that Ontario does not receive, or with which Ontario does not become involved. AANDC's Consultation and Accommodation Unit (CAU) established a "single window" to respond to requests for baseline information held by AANDC on established or potential Aboriginal Treaty and rights. To request information from the Ontario Subject Matter Expert send an email to: UCA-CAU@aadnc-aandc.gc.ca

Additional details about your project or changes to it that suggest impacts beyond what you have provided to date may necessitate further consideration of which Aboriginal communities may be affected by or interested in your undertaking. If you think that further consideration may be required, please bring your inquiry to whatever government body oversees the regulatory process for your project. MAA does not wish to be kept informed of the progress of the project; please be sure to remove MAA from the mailing list.

Yours truly,



Wendy Cornet
Manager, Consultation Unit
Aboriginal Relations and Ministry Partnerships Division

From: Bemben, Kathy
To: Brian Aaltonen
Cc: Curie, Daniel; John Smith
Subject: FW: greenstone landfill
Date: March-05-13 4:47:19 PM

From: [REDACTED]
Sent: March-05-13 3:55 PM
To: Bemben, Kathy
Subject: greenstone landfill

We represent [REDACTED] [REDACTED] has advised that he and [REDACTED] would like to put together submissions for your review, however they are unable to meet until the end of March 2013. [REDACTED] is tied up in Court matters and will also be out of the country for a week, thus from March 7 to March 25 he will be unable to meet with [REDACTED] [REDACTED] in order to fully complete [REDACTED] submissions. As such, [REDACTED] is seeking an extension to the submissions to that of April 15, 2013 to ensure that you have [REDACTED] input into the project as she is a property owner currently effected by the Geraldton Landfill site operations. Should you have any information to provide at present, kindly forward it to our office. We would ask that you provide us with your position as to allowing submissions to come forward until the April 15, 2013 request period.

Thank you for your time and consideration,



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Bemben, Kathy

From: [REDACTED]
Sent: March-11-13 5:58 AM
To: Bemben, Kathy
Subject: regarding enviornmental assessment for new landfill.

Regarding:

<http://www.greenstone.ca/LinkClick.aspx?fileticket=Yb8vwDsvrnvg%3d&tabid=1584>

Hi, My name is [REDACTED] I am a sometimes resident of Greenstone at Longlac.
I notice this consultation request in regard to plans to resolve waste disposal.

I think the issue is primarily poor resource management, not a space issue. Prior methods of waste disposal have just been inefficient.

Waste sorting is what needs to be done, separation of materials into organic and non organic.
Organic wastes can be used to create both methane, in methane gas composting "containers"

Most other forms of waste can also be used for an alternative purpose.

Generally only plastics and Styrofoams are issued, and they can be decomposed with chemical agents, to derive other chemicals that can be used for other processes.

The whole concept of landfill sites is an archaic concept that has proven not to work sufficiently.

The solution is to encourage composting of organic materials, and reclaiming plastics and metals via something called "recycling" that is common in the south. Note that an expensive recycling plant isn't needed, you can make inexpensive inductor heaters or even ceramic furnaces that can be used to reclaim this.

Note that there are also abandoned mines.....

None the less I would be eager to educate the municipality on alternative means that will not require a new landfill site, and can start to clear up space at the old landfill site.

Sincerely,

[REDACTED]

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For more information please visit <http://www.symanteccloud.com>

Currie, Daniel

From: Susan Blekkenhorst [susan@rsmin.ca]
Sent: March-14-13 2:46 PM
To: Currie, Daniel
Subject: Re: Greenstone Landfill

Dan

Thanks for answering my questions regarding the proposed terms of reference for the Municipality of Greenstone Solid Waster Disposal Plan.

Red Sky Metis Independent Nation has several community members who reside in the area and therefore we would appreciate being informed of any progress taken towards completion of this project.

At this time, Red Sky Metis Independent Nation does not have any additional questions or concerns regarding the proposed terms of reference. Of particular interest to RSMIN beyond environmental concerns, would be any information regarding artifacts or archaeological discoveries and any potential impacts on our hunting and fishing rights.

Please contact us if you have any questions.

Thank you.

Susan Blekkenhorst
Consultation Coordinator

More information can be found at www.rsmin.ca or we would be happy to answer any questions you may have. Our office number is 807-623-4635.

Red Sky Métis Independent Nation™ (RSMIN) represents the descendents of the 84 “half-breeds” who were recognized by the Crown as beneficiaries and annuitants under the Robinson Superior Treaty of 1850, in concurrence with the First Nation peoples. However, RSMIN is distinct from the First Nation peoples, by ways of our traditional lands, traditions, customs, and practices.

Our presence in the Great Lakes area precedes the signing of the Robinson-Superior Treaty by over 200 years. Coureurs de Bois, many of mixed French and Indian ancestry, explored and settled along the northern shores in a land deemed uninhabitable and savage. The combined cultures of the voyageur spirit and their Indian wives provided the basis of the Métis culture that exists to this day.

On Thu, Mar 14, 2013 at 2:30 PM, Currie, Daniel <Daniel.Currie@hatchmott.com> wrote:

Hi Susan,

Thanks for your phone call this afternoon, looking forward to receiving your input on the project.

With respect to the existing landfill site, there is a host of info on the Municipality's website at:

<http://greenstone.ca/ResidentialLife/PublicServices/LandfillInformation/GeraldtonLandfillExpansion.aspx>

You can also contact Demetri as follows:

Demetri Georgiou

Exp. Services Inc.

623-9495

demetri.georgiou@exp.com

Regards,

Dan

Dan Currie, C.E.T.
Hatch Mott MacDonald | daniel.currie@hatchmott.com
200 S. Syndicate Ave. Suite 301 P7E 1C9
T [807.623.3449](tel:807.623.3449) x251 C [807.626.4223](tel:807.626.4223) F [807.623.5925](tel:807.623.5925)

Currie, Daniel

From: Muller, Joseph (MTCS) [Joseph.Muller@ontario.ca]
Sent: March-15-13 3:48 PM
To: Bemben, Kathy
Cc: Webber, Gerry (MTCS); Lynch, Elaine (MCI); Soshycki, Darryl (MOI); Antler, James (MTCS)
Subject: Greenstone Municipal Solid Waste Disposal Plan Draft Terms of Reference
Attachments: ArchCheck.pdf; BH-CHL-Check.pdf; Greenstone Landfill draft ToR MTCS comment 2013-03-15.pdf

Dear Kathy Bemben:

Please find attached our comments from the Culture Services unit of the Ministry of Tourism, Culture and Sport on the above project, and contact me if you have any questions or would like some clarification. Thank-you for your consideration,

Joe

Joseph Muller, RPP, MCIP

Heritage Planner
Ministry of Tourism, Culture and Sport
Culture Division | Programs and Services Branch | Culture Services Unit

401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7

Tel. 416.314.7145 | Fax. 416.314.7175

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Ministry of Tourism, Culture and Sport

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**Ministère du Tourisme, de la Culture
et du Sport**

Unité des services culturels
Direction des programmes et des
services

401, rue Bay, Bureau 1700

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Tél. : 416 314-7145

Télé. : 416 314 7175



March 15, 2013 (EMAIL ONLY)

Kathy Bemben, P.Eng
Engineering Northwest Ltd.
200 S. Syndicate Ave, Suite 301
Thunder Bay, ON P7E 1C9

**RE: Municipal Solid Waste Disposal Plan
Environmental Assessment Terms of Reference (Draft)
Municipality of Greenstone, Ontario
MTCS file no. 58EA044**

Dear Kathy Bemben:

Thank you for providing the Ministry of Tourism, Culture and Sport (MTCS) with the draft Terms of Reference for the above project: for such an undertaking, it is the mandate of MTCS, under the *Ontario Heritage Act (OHA)*, to conserve, protect and preserve Ontario's cultural heritage, including:

- Archaeological resources;
- Built heritage resources (including bridges and monuments); and,
- Cultural heritage landscapes.

Under the EA process, a determination of the project's potential impact on these cultural heritage resources must be carried out, as below. Please advise MTCS whether archaeological and/or heritage impact assessments will be completed for your EA project, and forward them to MTCS, prior to issuing a Notice of Completion.

MTCS Comments on the Draft Terms of Reference

In general, please note that the *Standards and Guidelines for Conservation of Provincial Heritage Properties* (S&G), prepared pursuant to Section 25.2 of the Ontario Heritage Act, came into effect on July 1, 2010. All Ontario government ministries and public bodies that are prescribed under Ontario Regulation 157/10 must comply with the S&Gs. They apply to property that is owned or controlled by the Crown in right of Ontario or by a prescribed public body.

For Appendix A, in Table A1, the Social/Cultural evaluation category can include sensitive cultural heritage resources, which though rare can prove to be sufficiently significant to preclude alteration, and should be acknowledged here.

Likewise, Table B1 of Appendix B can also include mention that sufficiently significant cultural heritage resources may likewise exclude lands from consideration as an alternative, whether archaeological, built heritage or cultural heritage landscape.

In the Government and Agency Review Team list provided by Table C1 of Appendix C (page 20), the Ministry of Tourism (MoT) and Ministry of Culture (MoC) are now the Ministry of Tourism, Culture and Sport (MTCS). In addition, with amendments to the *Ontario Heritage Act*, Local Architectural Conservation Advisory Committees (LACACs) are now called Municipal Heritage Committees (MHCs).

Similarly, in Appendix D (page 25), please change the Ministry of Culture to the Ministry of Tourism Culture and Sport, and add me to the list of contacts.

Finally, while early in the process, the following self-screening procedures will identify known cultural heritage resources, and provide guidance for evaluating specific alternative sites and reporting on this process within the Environmental Study report:

Archaeological Resources

Screening your EA project with the attached MTCS *Criteria for Evaluating Archaeological Potential* will determine whether it may impact archaeological resources: MTCS archaeological sites data are available at archaeologysites@ontario.ca. If your EA project area exhibits archaeological potential, then an archaeological assessment (AA) by an OHA licensed archaeologist is recommended and the AA report forwarded to MTCS for review.

Built Heritage and Cultural Heritage Landscapes

The MTCS *Screening for Impacts to Built Heritage and Cultural Heritage Landscapes* checklist attached determines whether your EA project may impact these cultural heritage resources: the clerk for the Municipality of Greenstone can provide information on property listed or designated under the *Ontario Heritage Act*. If your EA project may impact known or potential cultural heritage resources, MTCS recommends that a Heritage Impact Assessment (HIA – see MTCS *Info Sheet #5: Heritage Impact Assessments and Conservation Plans*) be prepared by a qualified consultant. Please send completed HIAs to MTCS and the local municipality for review, and make it available to local heritage organizations with an interest, prior to issuance of your EA Notice of Completion.

Environmental Assessment Reporting

HIA and AA reports and their recommendations are part of the EA project. Determinations that no cultural heritage resources are impacted and no technical studies are warranted should be documented and summarized as part of the EA process, and incorporated into the final Environmental Study report.

In summary, please continue to circulate MTCS throughout the EA process for this project. Thank you for the opportunity to provide comment, and please contact me for any questions or clarification.

Sincerely,

Joseph Muller
Heritage Planner
Joseph.Muller@Ontario.ca

Copied to: Gerry Webber, Coordinator
Northern Policy and Planning Unit, Ministry of Tourism, Culture and Sport

Darryl Soshyski, Manager
Tourism Policy Unit, Ministry of Tourism, Culture and Sport

Elaine Lynch, Manager - North Region
Regional Services, Ministry of Tourism Culture and Sport & Ministry of Citizenship and Immigration

James Antler, Policy Advisor
Northern Policy and Planning Unit, Ministry of Tourism, Culture and Sport

Disclaimer: The Ministry of Tourism, Culture and Sport reserves the right to review projects for their potential to impact archaeological, built heritage and cultural heritage landscape resources, and recommend that archaeological and/or heritage impact assessments be undertaken.

Please notify MTCS if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out a determination of their nature and significance.

If human remains are encountered, all activities must cease immediately and the local police be contacted as well as the Cemeteries Regulation Unit of the Ministry of Consumer Services must be contacted. In situations where human remains are associated with archaeological resources, MTCS should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

Ministry of Tourism and Culture
Criteria for Determining Archaeological Potential

A Checklist for the Non-Specialist

Feature of Archaeological Potential	Yes	No	Unknown
1. Known archaeological sites within 300 m of property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Physical Features	Yes	No	Unknown
2. Water on or near the property If yes, what kind of water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) Primary water source (lake, river, large creek, etc)			
▪ within 300 m, OR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ 50 m for properties in northern Ontario and Canadian Shield terrain*			
b) Secondary water source (stream, spring, marsh, swamp, etc)			
▪ within 300 m, OR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ 50 m for properties in northern Ontario and Canadian Shield terrain*			
c) Past water source (beach ridge, river bed, relic creek, ancient shoreline, etc)			
▪ within 300 m, OR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ 150 m for properties in northern Ontario and Canadian Shield terrain*			
3. Elevated topography on property (knolls, drumlins, eskers, plateaus, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Pockets of sandy soil in a clay or rocky area on property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Distinctive land formations on property (mounds, caverns, waterfalls, peninsulas, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Cultural Features	Yes	No	Unknown
6. Known burial site or cemetery on or adjacent to the property (cemetery is registered with the Cemeteries Regulation Unit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Food or scarce resource harvest areas on property (traditional fishing locations, agricultural/berry extraction areas, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Indications of early Euro-Canadian settlement within 300 m of property (monuments, cemeteries, structures, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Early historic transportation routes within 100 m of property (historic road, trail, portage, rail corridor, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Property-specific Information	Yes	No	Unknown
10. Property is designated and/or listed under the <i>Ontario Heritage Act</i> (municipal register and lands described in Reg. 875 of the <i>Ontario Heritage Act</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Local knowledge of archaeological potential of property (from aboriginal communities, heritage organisations, municipal heritage committees, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Recent ground disturbance [†] (post-1960, extensive and deep land alterations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The entire property should be screened for archaeological potential, not only the footprint where work is proposed.

*Northern Ontario is defined as Manitoulin Island, the Districts of Muskoka, Haliburton and Nipissing, and areas to the north. The Canadian Shield is defined as the area of Ontario underlain by the Precambrian Shield.

[†] Archaeological potential can be determined not to be present for either the entire property or a part(s) of it when the area under consideration has been subject to extensive and deep land alterations that have severely damaged the integrity of any archaeological resources. This is commonly referred to as 'disturbed' or 'disturbance', and may include: quarrying, major landscaping involving grading below topsoil, building footprints, sewage and infrastructure development. Activities such as agricultural cultivation, gardening, minor grading and landscaping do not necessarily affect archaeological potential.

Scoring the results:

If Yes to any of 1, 2a-c, 6 or 11

→ archaeological potential is **determined** – assessment is required

If Yes to two or more of 3 to 5 or 7-10

→ archaeological potential is **determined** – assessment is required

If Yes to 12 or No to 1 to 10

→ **low** archaeological potential is **determined** – assessment may or may not be required (depending on answers from 1-11)

If 3 or more **Unknown**

→ more research is required (**See note below for more information**)

Note: If archaeological potential features are unknown, a professional archaeologist licensed under the *Ontario Heritage Act* should be retained to carry out a minimum Stage 1 archaeological assessment report confirming potential or low potential. All reports are to be in compliance with provincial archaeological assessment standards and guidelines.

Screening for Impacts to Built Heritage and Cultural Heritage Landscapes

This checklist is intended to help proponents determine whether their project could affect known or potential cultural heritage resources. The completed checklist should be returned to the appropriate Heritage Planner or Heritage Advisor at the Ministry of Tourism and Culture.

Step 1 – Screening for Recognized Cultural Heritage Value

YES	NO	Unknown	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Is the subject property designated or adjacent* to a property designated under the <i>Ontario Heritage Act</i> ?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Is the subject property listed on the municipal heritage register or a provincial register/list? (e.g. Ontario Heritage Bridge List)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Is the subject property within or adjacent to a Heritage Conservation District?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Does the subject property have an Ontario Heritage Trust easement or is it adjacent to such a property?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Is there a provincial or federal plaque on or near the subject property?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Is the subject property a National Historic Site?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Is the subject property recognized or valued by an Aboriginal community?

Step 2 – Screening Potential Resources

YES	NO	Unknown	
			Built heritage resources
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Does the subject property or an adjacent property contain any buildings or structures over forty years old [†] that are:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Residential structures (e.g. house, apartment building, shanty or trap line shelter)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Farm buildings (e.g. barns, outbuildings, silos, windmills)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Industrial, commercial or institutional buildings (e.g. a factory, school, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Engineering works (e.g. bridges, water or communications towers, roads, water/sewer systems, dams, earthworks, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Monuments or Landmark Features (e.g. cairns, statues, obelisks, fountains, reflecting pools, retaining walls, boundary or claim markers, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Is the subject property or an adjacent property associated with a known architect or builder?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Is the subject property or an adjacent property associated with a person or event of historic interest?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. When the municipal heritage planner was contacted regarding potential cultural heritage value of the subject property, did they express interest or concern?
			Cultural heritage landscapes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Does the subject property contain landscape features such as:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Burial sites and/or cemeteries
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Parks or gardens
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Quarries, mining, industrial or farming operations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Canals
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Prominent natural features that could have special value to people (such as waterfalls, rocky outcrops, large specimen trees, caves, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Evidence of other human-made alterations to the natural landscape (such as trails, boundary or way-finding markers, mounds, earthworks, cultivation, non-native species, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Is the subject property within a Canadian Heritage River watershed?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Is the subject property near the Rideau Canal Corridor UNESCO World Heritage Site?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Is there any evidence from documentary sources (e.g., local histories, a local recognition program, research studies, previous heritage impact assessment reports, etc.) or local knowledge or Aboriginal oral history, associating the subject property/ area with historic events, activities or persons?

Note:

If the answer is "yes" to any question in Step 1, proceed to Step 3.

The following resources can assist in answering questions in Step 1:

Municipal Clerk or Planning Department – Information on properties designated under the Ontario Heritage Act (individual properties or Heritage Conservation Districts) and properties listed on a Municipal Heritage register.

Ontario Heritage Trust – Contact the OHT directly regarding easement properties. A list of OHT plaques can be found on the website: [Ontario Heritage Trust](#)

Parks Canada – A list of National Historic Sites can be found on the website: [Parks Canada](#)

Ministry of Tourism and Culture – The Ontario Heritage Properties Database includes close to 8000 identified heritage properties. Note while this database is a valuable resource, it has not been updated since 2005, and therefore is not comprehensive or exhaustive. [Ontario Heritage Properties Database](#)

Local or Provincial archives

Local heritage organizations, such as the municipal heritage committee, historical society, local branch of the Architectural Conservancy of Ontario, etc.

Consideration should also be given to obtaining oral evidence of CHRs. For example, in many Aboriginal communities, an important means of maintaining knowledge of cultural heritage resources is through oral tradition.

If the answer is "yes" to any question in Step 2, an evaluation of cultural heritage value is required. If cultural heritage resources are identified, proceed to Step 3.

If the answer to any question in Step 1 or to questions 2-4, 6-8 in Step 2, is "unknown", further research is required.

If the answer is "yes" to any of the questions in Step 3, a heritage impact assessment is required.

If uncertainty exists at any point, the services of a qualified person should be retained to assist in completing this checklist. All cultural heritage evaluation reports and heritage impact assessment reports must be prepared by a qualified person. Qualified persons means individuals (professional engineers, architects, archaeologists, etc.) having relevant, recent experience in the identification and conservation of cultural heritage resources. Appropriate evaluation involves gathering and recording information about the property sufficient to understand and substantiate its heritage value; determining cultural heritage value or interest based on the advice of qualified persons and with appropriate community input. If the property meets the criteria in Ontario Regulation 9/06 under the Ontario Heritage Act, it is a cultural heritage resource.

† The 40 year old threshold is an indicator of potential when conducting a preliminary survey for identification of cultural heritage resources. While the presence of a built feature that is 40 or more years old does not automatically signify cultural heritage value, it does make it more likely that the property could have cultural heritage value or interest. Similarly, if all the built features on a property are less than 40 years old, this does not automatically mean the property has no cultural heritage value. Note that age is not a criterion for designation under the *Ontario Heritage Act*.

Step 3 – Screening for Potential Impacts		
YES	NO	Will the proposed undertaking/project involve or result in any of the following potential impacts to the subject property or an adjacent* property?
<input type="checkbox"/>	<input type="checkbox"/>	Destruction, removal or relocation of any, or part of any, heritage attribute or feature.
<input type="checkbox"/>	<input type="checkbox"/>	Alteration (which means a change in any manner and includes restoration, renovation, repair or disturbance).
<input type="checkbox"/>	<input type="checkbox"/>	Shadows created that alter the appearance of a heritage attribute or change the exposure or visibility of a natural feature or plantings, such as a garden.
<input type="checkbox"/>	<input type="checkbox"/>	Isolation of a heritage attribute from its surrounding environment, context or a significant relationship.
<input type="checkbox"/>	<input type="checkbox"/>	Direct or indirect obstruction of significant views or vistas from, within, or to a built or natural heritage feature.
<input type="checkbox"/>	<input type="checkbox"/>	A change in land use such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces.
<input type="checkbox"/>	<input type="checkbox"/>	Soil disturbance such as a change in grade, or an alteration of the drainage pattern, or excavation, etc.

* For the purposes of evaluating potential impacts of development and site alteration "adjacent" means: contiguous properties as well as properties that are separated from a heritage property by narrow strip of land used as a public or private road, highway, street, lane, trail, right-of way, walkway, green space, park, and/or easement or as otherwise defined in the municipal official plan.

APPENDIX E2
COMMENTS RECEIVED
FROM REVIEW OF DRAFT ToR

Ministry of the Environment
435 James Street South
Suite 331
Thunder Bay, ON P7E 6S7

Tel.: 807 475-1546
Fax: 807 475-1754

Ministère de l'Environnement
435 rue James sud
Bureau 331
Thunder Bay, ON P7E 6S7

Tél. : 807 475-1546
Télec. : 807 475-1754



July 9, 2013

MEMORANDUM

To: Mike Landers
Senior Environmental Officer
Thunder Bay District Office

From: Simon Haslam
Regional Hydrogeologist (in-training)
Technical Support Section, Northern Region

Re: Municipality of Greenstone—Municipal Solid Waste Disposal Plan
Environmental Assessment Terms of Reference
C. of A. No. A7004401

1 INTRODUCTION

As requested, I have reviewed the groundwater related parts of the report prepared by the Municipality of Greenstone (the Municipality), entitled "*Municipal Solid Waste Disposal Plan—Environmental Assessment Terms of Reference*" and dated June 3, 2013. This report outlines the Terms of Reference (TOR) awaiting approval from the Ontario Ministry of the Environment (MOE) that will establish the framework for conducting an Environmental Assessment (EA) as required under the Ontario EA Act (EAA). The purpose of this review is to evaluate the completeness of the TOR and compliance with the EAA.

A brief list, outlined below, acknowledging the requirements of the procedures necessary to assess potential groundwater quality and quantity impacts would show the MOE that the Municipality is prepared to conduct the EA from a hydrogeological perspective. I recommend that such a list be provided in the final draft of the TOR. Otherwise, I am in agreement with the TOR provided by the Municipality. With the addition of the described information, it is my opinion that groundwater issues will be adequately assessed by the Municipality during the EA process.

2 TOR SUMMARY

2.1 Background

Currently the Geraldton Landfill is out of compliance with the existing CofA since waste is being disposed of outside of the approved footprint and the approved disposal volume has been exceeded. The Municipality is currently looking to amend the CofA to expand the footprint and capacity but this amendment would provide disposal services only through 2014. An EA is being undertaken by the Municipality to evaluate disposal alternatives and locations for the preferred alternative. This TOR provides the details of the activities and information that will be conducted and provided during the EA upon MOE approval.

The Municipality is looking to develop a long term (20-30 year) solid waste disposal plan to immediately service the town of Greenstone and provide service to other towns within the

Municipality in the future. A long term plan is required since the existing Geraldton Landfill is at capacity and other facilities within the Municipality do not have the capacity to offer a long term solid waste disposal solution.

The estimated population of the Municipality and, therefore, the estimated annual waste generated, is expected to decline in the future. In 2011 and 2012, it was estimated that 4,870 and 4,838 tonnes of waste was generated in the Municipality, respectively. Based on Canada Census information, the estimated waste generation is expected to continue to decrease steadily to approximately 3,884 tonnes generated in 2045. The total waste to be generated within the Municipality between 2014 and 2045 was estimated at 138,065 tonnes.

2.2 Alternatives to the Undertaking

To meet the solid waste disposal needs of the Municipality, several alternatives to the undertaking are proposed for further investigation during the EA. These alternative methods are: thermal processing, involving the combustion of some solid waste with the potential by-product of generated electricity or heat; biological processing, which uses microorganisms to break down organic wastes, with the potential to capture biogas for energy generation; expansion of the existing landfill, either horizontally or vertically; waste diversion and waste reuse, which involves the disposal of waste not reused or diverted; development of a new landfill; exportation of waste to a private or public waste facility external to the Municipality; and do nothing, which involves maintaining the status quo and provides a benchmark against which the other alternatives may be measured.

2.3 Alternative Methods for the Undertaking

Once the preferred alternative, or combination of alternatives, to the undertaking has been identified, the potential sites for that option will be explored, with the site evaluation method changing based on the alternative to the undertaking that is selected. The site selection process will involve: development of a constraint map, showing a map of potentially suitable areas based on existing land use; refinement of the constraint map, reducing the potential areas to a "long list" of candidate sites; high level environmental, social, and economic evaluation of long list sites, using comparisons to reduce to a "short list" of potential sites; and site assessments and evaluations, including environmental and archaeological investigations, of short list sites, using comparisons to determine the preferred site.

2.4 Evaluation Criteria

The Municipality identified the environments that could potentially be effected by the proposed alternatives, including the natural environment. Within the natural environment, the Municipality acknowledged the potential effects on surface and groundwater quality by listing the indicators of these effects as: type and severity of common surface and ground water impacts associated with alternatives; and potential for contamination or disruption to surface and ground water sources. Suggested preliminary evaluation criteria indicators to be used when assessing and comparing the short listed candidate sites include: number of water courses on or adjacent to the site; potential for contamination or disruption to surface and ground water sources; and effects on surface and ground water quality, quantities or flow, including significant sedimentation or soil erosion on or off site.

The Municipality notes that potential impacts that may require mitigation include impacts to local water quality if leachate and surface water runoff from the site is not managed properly. The proposed TOR states that the application of evaluation criteria, potential effects, and mitigative requirements will be identified for the proposed undertaking. Throughout the EA process monitoring may be required and the Municipality proposes that a monitoring framework will be developed to consider all phases of the undertaking and will include monitoring to ensure compliance and/or effects on the environment. The proposed TOR notes that stormwater and

leachate management approvals and/or one or more Permit to Take Water may be required from the MOE during the proposed undertaking.

3 REVIEWER'S CONCLUSIONS AND RECOMMENDATIONS

The TOR document provides a vague but broad description of the potential impacts to groundwater quality and quantity associated with the proposed undertaking. However, if during the EA process the Municipality characterizes the indicators noted above by sufficiently assessing the type and severity of common groundwater impacts associated with alternatives and the potential for contamination or disruption to groundwater sources, it will be possible for the Municipality to adequately evaluate the negative impacts to groundwater quality and quantity. While the specific methods that will be used to collect and analyze the information regarding the listed preliminary evaluation criteria indicators was not provided, if this procedure is carried out by a qualified person to a degree that allows adequate comparisons between the alternatives then it is my opinion that the EA will be sufficient in assessing the impacts to groundwater quality and quantity.

I recommend that specifics regarding the acquisition of the information necessary for the comparison of the groundwater quality and quantity effects will be acquired be briefly summarized for each of the alternatives to the undertaking and provided in the final draft of the TOR. These specifics would include but no be limited to a list of: the monitoring techniques that will be used; the necessary site specific information required, including site history, hydrogeological and geological information, and general physiography; information collection/calculation methods; potential mitigation options; potential contingencies to be considered; and potential water takings that may be required.

A brief list, as outlined above, acknowledging the requirements of the procedures necessary to assess potential groundwater quality and quantity impacts would show the MOE that the Municipality is prepared to conduct the EA from a hydrogeological perspective. Otherwise, I am in agreement with the TOR provided by the Municipality. With the addition of the described information, it is my opinion that groundwater issues will be adequately assessed by the Municipality during the EA process.

4 CLOSURE

If you have any questions regarding the above comments and recommendations, do not hesitate to contact the undersigned. The purpose of the preceding review is to provide advice to the MOE regarding groundwater conditions based on the information provided in the above referenced documents. The conclusions, opinions and recommendations of the reviewer are based on the information provided by others, except where otherwise specifically noted. The MOE can not guarantee that the information that has been provided by others is accurate or complete. A lack of specific comment by the reviewer is not to be construed as an endorsing the content or views expressed in the reviewed material.

Prepared by:

Reviewed by:

Simon Haslam, MASC, EIT
Regional Hydrogeologist (in-training)

Alisdair Brown, P.Eng.
Groundwater Group Leader (A)

c.c. Regional File: TB GT H11 (CofA #A7004401)

Bemben, Kathy

From: Wright, Wesley (ENE) <Wesley.Wright@ontario.ca>
Sent: July-17-13 11:12 AM
To: Bemben, Kathy
Subject: Greenstone draft ToR: GW comments
Attachments: Review_Geraldton_EA_TOR_SHaslam_July_09_2013_rev0.pdf

Thanks,

Wesley



Please consider the environment before printing this email.

**Ministry of Tourism,
Culture and Sport**

Culture Services Unit
Programs and Services Branch
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
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**Ministère du Tourisme,
de la Culture et du Sport**

Unité des services culturels
Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto ON M7A 0A7
Tél: 416 314 7145
Télé: 416 314 7175



July 15, 2013 (EMAIL ONLY)

Kathy Bemben, P.Eng
Engineering Northwest Ltd.
200 S. Syndicate Ave, Suite 301
Thunder Bay, ON P7E 1C9
E: Kathy.Bemben@hatchmott.com

**RE: Municipal Solid Waste Disposal Plan
Environmental Assessment Terms of Reference (June 3, 2013, Draft)
Municipality of Greenstone, Ontario
MTCS file no. 58EA044**

Dear Kathy Bemben:

Thank you for providing the Ministry of Tourism, Culture and Sport (MTCS) with the revised Draft Terms of Reference dated June 3, 2013, for your project. For this undertaking, it is the mandate of MTCS, under the *Ontario Heritage Act (OHA)*, to conserve, protect and preserve Ontario's cultural heritage, including:

- Archaeological resources;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Under the EA process, a determination of the project's potential impact on these cultural heritage resources must be carried out. Please advise MTCS whether archaeological and/or heritage impact assessments will be completed for your EA project, and forward them to MTCS, prior to issuing a Notice of Completion.

MTCS Comments on the Draft Terms of Reference

In section 7.3, 'significant' is not needed to describe the archaeological and cultural heritage assessments. The assessments themselves will determine the significance, or degree of cultural heritage value or interest, of any cultural heritage resources identified.

Archaeological Resources

The amended draft Terms of Reference appropriately stipulates that your EA project will screen for archaeological resources using the MTCS *Criteria for Evaluating Archaeological Potential* and recommends archaeological assessment (AA) by an *OHA* licensed archaeologist where warranted.

Built Heritage and Cultural Heritage Landscapes

The amended draft Terms of Reference appropriately stipulates that your EA project will screen for built heritage and cultural heritage landscape resources using the MTCS *Screening for Impacts to Built Heritage and Cultural Heritage Landscapes* checklist. Where known or potential cultural heritage resources may be impacted, the draft Terms of Reference recommend that a Heritage Impact Assessment (HIA) be prepared by a qualified consultant.

Environmental Assessment Reporting

HIA and AA reports and their recommendations are part of the EA project. The Environmental Study Report should document and summarize any determinations that no cultural heritage resources are impacted and no technical studies are warranted as part of the EA process. MTCS is in no way liable if the information in the completed checklists is found to be inaccurate or incomplete.

Please note that the *Standards and Guidelines for Conservation of Provincial Heritage Properties* (S&G), prepared pursuant to Section 25.2 of the Ontario Heritage Act, came into effect on July 1, 2010. All Ontario government ministries and public bodies that are prescribed under Ontario Regulation 157/10 must comply with the S&Gs. They apply to property that is owned or controlled by the Crown in right of Ontario or by a prescribed public body.

Thank-you for circulating MTCS on this project: please continue to do so through the EA process, and contact me for any questions or clarification.

Sincerely,

Joseph Muller
Heritage Planner
Joseph.Muller@ontario.ca

Copied to: Gerry Webber, Coordinator
Northern Policy and Planning Unit, Ministry of Tourism, Culture and Sport

Darryl Soshyski, Manager
Tourism Policy Unit, Ministry of Tourism, Culture and Sport

Elaine Lynch, Manager - North Region
Regional Services, Ministry of Tourism Culture and Sport & Ministry of Citizenship and Immigration

James Antler, Policy Advisor
Northern Policy and Planning Unit, Ministry of Tourism, Culture and Sport

Disclaimer: The Ministry of Tourism, Culture and Sport reserves the right to review projects for their potential to impact archaeological, built heritage and cultural heritage landscape resources, and recommend that archaeological and/or heritage impact assessments be undertaken.

Please notify MTCS if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out a determination of their nature and significance.

If human remains are encountered, all activities must cease immediately and the local police be contacted as well as the Cemeteries Regulation Unit of the Ministry of Consumer Services must be contacted. In situations where human remains are

associated with archaeological resources, MTCS should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

Bemben, Kathy

From: Muller, Joseph (MTCS) <Joseph.Muller@ontario.ca>
Sent: July-15-13 11:03 AM
To: Bemben, Kathy
Cc: Antler, James (MTCS); Webber, Gerry (MTCS); Soshycki, Darryl (MOI); Lynch, Elaine (MCI)
Subject: Greenstone Municipal Solid Waste Disposal Plan EA
Attachments: Greenstone Landfill Draft ToR 2013-07-15 MTCS Comments.pdf

Hello Kathy Bemben:

Please find attached our comments from the Culture Services Unit of MTCS on your project, and contact me if you have any questions or would like to discuss the file. Thank-you for your assistance,

Joe

Joseph Muller, RPP, MCIP

Heritage Planner
Ministry of Tourism, Culture and Sport
Culture Division | Programs and Services Branch | Culture Services Unit

401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7

Tel. 416.314.7145 | Fax. 416.314.7175



Ministry of the Environment

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Ministère de l'Environnement

**Direction des autorisations
environnementales**

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Tél. : 416 314-8001
Télééc.: 416 314-8452

July 17, 2013

TO: Wesley Wright
Project Officer

FROM: Enoch Tse, P.Eng.
Senior Noise Engineer

RE: Draft Terms of Reference – Noise & Vibration Review Comments
Municipality of Greenstone Solid Waste Disposal Plan
Noise EA File: E-0010-13

This is in response to your e-mail correspondence dated June 20, 2013.

We have reviewed the Draft Terms of Reference (ToR), prepared by exp Global Inc. and dated June 3, 2013, regarding the proposed Greenstone Solid Waste Disposal Plan, located in the Municipality of Greenstone, in north-western Ontario.

The following are our noise and vibration review comments:

1. **Applicable Guidelines and Documents:** The ToR has not identified the MOE guidelines and documents that need to be used to assess the noise impacts from the proposed project. These include:
 - a. **Construction Noise:**
 - i. MOE Publication NPC-115, "Construction Equipment"; and
 - ii. MOE Publication NPC-118, "Motorized Conveyances".
 - b. **Operations Noise:**
 - i. MOE Publication NPC-205, "Sound Level Limits For Stationary Sources in Class 1 & 2 Areas (Urban)"; and/or
 - ii. MOE Publication NPC-232, "Sound Level Limits For Stationary Sources in Class 3 Areas (Rural)".

- c. Construction Vibration:
 - i. MOE Publication NPC-207, "Impulse Vibration in Residential Buildings", November 1983, as amended.

 - d. Noise Report shall be prepared in accordance with the following documents:
 - i. MOE Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October 1995, as amended; and
 - ii. Supporting Information for the Preparation of an Acoustic Assessment Report, Prepared by the Air and Noise Unit, Environmental Assessment and Approvals Branch, November 2003.
2. **Approval Name:** The ToR identifies the required approval as a "Certificate of Approval". The term for the approval was recently revised to "Environmental Compliance Approval".

We trust the above review comments would be of assistance to you.

If you have any questions, please contact Enoch Tse, P.Eng. at 416-212-4201.



Enoch Tse, P.Eng.
Senior Noise Engineer



Ian Greason, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

Bemben, Kathy

From: Barker, Dave (MNR) <dave.barker@ontario.ca>
Sent: July-19-13 3:48 PM
To: Bemben, Kathy; Wright, Wesley (ENE)
Cc: Mortson, Londa (MNR); Armstrong, Evan (MNR); Carnochan, John (MNR); Bluth, Peggy (MNR)
Subject: MNR Comments - Greenstone Waste Disposal EA Terms of Reference

Ms. Bemben:

Londa Mortson, MNR Northwest Region, and I have reviewed the Terms of Reference that were provided to us last month.

In general we are pleased with the approach that you have taken - in that you appear to have left the assessment process open to examine a full range of siting options.

We have a number of thoughts and comments however - as follows:

Page 5, Table 4.1

The numbers in this document conflict with the numbers presented in Greenstone's Grow Plan. The Grow Plan is based upon a significant population growth over the same time period.

Alternatives should consider Greenstone's own plans for future development and growth. The ToR should acknowledge these other projections by Greenstone and incorporate those projections into the EA. How would the growth outlined in the Grow Plan affect the choice of a waste site?

Page 9, Section 7.2

Note that Preliminary selection and evaluation criteria will be reviewed by the Government Review Team at the outset of this stage. MNR expects that it will be provided an opportunity to provide input, at that time, to the refined set of criteria and indicators.

Page 10 & 11, Section 7.3 (list)

Consider the following as additions:

- fish values
- aquatic resources
- wildlife habitat
- Parks and Protected Areas
- commercial users (eg trappers, tourist operations, baitfish operators, bear management areas)
- Crown land recreational values & users
- Species at Risk

Page 12 , Section 8.1, Paragraph 4

For completeness and accuracy you might wish to note that both Geraldton and Longlac also fall within the Hudson Bay Watershed (more commonly referred to at the Arctic Watershed). You may wish to note that a constructed diversion of water over the height of land now allows water from some of the lakes and streams surrounding Geraldton and Longlac to be manually routed to either the Arctic Watershed or the Atlantic Watershed
Suggestion that you improve your description and include a map.

Page 13, Section 8.1, Top of Page

Add a reference to the Lake Nipigon Signature Site Management Strategy

Page 13, Section 8.2, Paragraph 1

For accuracy - none of the First Nations are within Municipal boundaries. All are governed independently of the municipality.

Page 13, Section 8.3, Paragraph 3

Suggest that you include mention of the other Highways that are within the Municipality or which join wards of the municipality. Transportation of waste on those highways is a potential issue.

Page 13, Section 8.3, Paragraph 5

Note that VIA Rail also drops off and picks up people in Caramat.

Page 14, Section 8.4

Consider the following as additions:

- disturbance to a wide range of values
 - cultural
 - recreational
 - heritage
 - archaeological
- effect on treaty and aboriginal rights

Page 15, Section 10.1, Aboriginal Peoples paragraph

Consider adding reference to local Metis communities

Appendix A, Table A1

Consider the following as additions:

- effect on treaty and aboriginal rights
- effect on recreational use of lands and waters
- effect on commercial users (trappers, tourist operators, retail or service operators, baitfish operations)

Appendix B, Table B1:

- Define "Designated Natural Heritage areas"
- Define "Designated tourism areas"
- Define "Significant habitat of endangered and threatened species"
- Define "park/recreational lands"
- Add "Lands with land use direction not consistent with the project"

Appendix B, Table B3:

This is a very preliminary list of criteria and indicators. Include effect on resource harvest (e.g. forestry, trapping, hunting, baitfish, etc.)

Appendix D

Recommend an update to the list of Chiefs names for the First Nations Communities. There are errors on the list in this document.

When you are ready to begin the Environmental Assessment process, Nipigon MNR expects that we would be invited to take part in a multi-agency meeting or series of meetings in which the Municipality and its consulting partners would outline their objectives and in which MNR and other agencies would provide information regarding the wildlife, fishery, species at risk, habitat, stakeholder information that we would expect to be considered in carrying out your work to consider all relevant aspects of impacts on the environment.

Yours,

Dave Barker

Planning and Information Management Supervisor, Nipigon District
208 Beamish Avenue West
Geraldton, ON P0T 1M0
Telephone: 807 854-1810

Bemben, Kathy

From: Munro, Christopher (ENE) <Christopher.Munro@ontario.ca>
Sent: July-22-13 9:28 AM
To: Bemben, Kathy
Cc: Wright, Wesley (ENE)
Subject: Greenstone Waste Management Capacity Expansion EA - Review of Draft TOR - MOE Waste Approvals

Ms. Bemben,

Thank you for the opportunity to review the Draft Terms of Reference for the Municipality of Greenstone – Municipal Solid Waste Disposal Plan dated June 3, 2013. As stated, the Terms of Reference (TOR) is a high level document that will be used to evaluate the alternatives for the disposal of the Municipality's waste followed by the evaluation of potential sites for the preferred waste management alternative. I reviewed the TOR for issues that are would require a Ministry of Environment's Waste Approval as well as issues related to Regulation 347/90 (General –Waste Management) and Regulation 232/98 (Landfilling Sites).

The high level approach outlined in the TOR seems reasonable; however nether Regulations 347/90 nor 232/98 were mentioned in the TOR. Both these regulations are important as Regulation 232/98 governs new or expanding landfilling sites; while Regulations 347/90 governs existing landfill sites and landfill sites that are equal or less than 40,000 cubic metres in volume. In addition, Regulations 347/90 also regulates all aspects of waste (generation, transport, and disposal). Please keep both these regulations on hand and refer to them during the evaluations for disposal and potential sites.

Depending on the outcome of the evaluations, there may be a need to apply for a Environmental Compliance Approval for Waste from the Ministry of the Environment. This approval should be noted in Section 12. 'Other Required Approvals' of the TOR.

I hope my comments will assist in your evaluation and help find a solution to your waste needs.

Regards,
Christopher.

Christopher R. Munro, MSc.Eng, P.Eng.
Senior Review Engineer
Environmental Approvals Branch
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario M4V 1L5

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Ministère de l'Environnement
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Fax: (807) 475-1754
Direct Line: (807) 475-1720

July 23, 2013

Mr. Wesley Wright
Project Officer
Environmental Approvals Branch
Ontario Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5
Phone: 416.325.5500
e-mail: wesley.wright@ontario.ca

Dear Mr. Wright:

Re: Terms of Reference Review for Greenstone Waste Disposal Site

As requested I have had a Regional Environmental Assessment Coordinator review reviewed the document entitled: *Municipality of Greenstone – Municipal Solid Waste Disposal Plan Environmental Assessment Terms of Reference (draft) dated June 3, 2013* specifically for local and planning (e.g. land use compatibility) related concerns. Following are the resulting recommendations which should assist in improving this document and the associated environmental assessment process in light of MOE's mandate as it relates to these areas.

- **Appendix B: Preliminary Evaluation Criteria for "Alternatives Methods" (i.e., Sites), Table B1: Preliminary Criteria for Excluding Lands from Consideration for Waste Disposal Site.**

For waste disposal sites, MOE considers the most significant contaminant discharges and visual problems to be normally within 500m of the perimeter of the fill area. The actual influence area will however, vary with the individual waste disposal site and depending on site specifics and the operation itself have historically ranged from 3 km to less than 500m. Although the preliminary criteria for excluding lands from consideration for the new waste disposal site of 400m is not unreasonable, Greenstone may wish to consider increasing this distance to 500m if possible in order to avoid the occurrence of adverse effects on sensitive receivers such as residential or institutional areas. For more information on this consideration please see *Guideline D-4: Land Use On or Near Landfills and Dumps* which is available at MOE's Forms, Manuals and Guidelines

Website:

http://www.ene.gov.on.ca/stdprodconsume/groups/lr/@ene/@resources/documents/resource/std01_079308.pdf

- **Appendix D: Public Consultation Mailing List: Government Review Agencies and Interest Groups: Table D1: Public Consultation Mailing List – Government Review Agencies and Interest Groups**

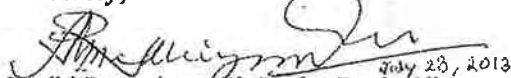
The contact list provided for MOE's Thunder Bay District and Regional Offices is quite extensive and goes beyond what is absolutely necessary. Greenstone may wish to cut down on this list by eliminating John P Taylor (Director), and Ellen Cramm (Environmental Resource Planner/EA Coordinator) from the list. In addition Monika Holenstein's name should now be replaced by Mike Landers (same position and office/ mailing information). Also, it would be beneficial to contact Scott Sheriff instead of Trina Rawn. Scott's contact information is as follows:

Scott Sheriff,
Thunder Bay District Supervisor
Ontario Ministry of the Environment
435 James St. S., Suite 331B,
Thunder Bay, Ontario
P7E 6S7

With regard to Fisheries and Oceans Canada (DFO) Greenstone should be advised that Neville Ward has retired and Tom Kleinboeck may also no longer be available. Some effort may be required to determine an appropriate alternate contact for DFO. There is a general inquiries number 1-855-852-8320 for DFO where you may leave a message regarding your need for a contact at DFO for this project. Someone at DFO can then direct you to an appropriate name and address as appropriate.

This concludes our comments on the, "*Municipality of Greenstone – Municipal Solid Waste Disposal Plan Environmental Assessment Terms of Reference (draft)*" document at this time. Please feel free to contact Carrie Hutchison at (807) 475-1720 with any questions or need for clarification you may have regarding this correspondence.

Sincerely,


July 23, 2013
Madhi Ramadoss, Ph.D., for Paula Allen

Air, Pesticides and Environmental Planning Supervisor
199 Larch Street, 12th Floor
Ontario Ministry of the Environment,
Sudbury Ontario
P3E 5P9

C. Mike Landers, MOE Thunder Bay District

Bemben, Kathy

From: Wright, Wesley (ENE) <Wesley.Wright@ontario.ca>
Sent: July-23-13 2:11 PM
To: Bemben, Kathy
Subject: FW: Greenstone landfill expansion EA - draft ToR
Attachments: Signed_TRR_Greenstone Waste Disposal Site.pdf

Importance: High

Comments from MOE Planner/EA Coordinator...

Thanks,

Wesley



Please consider the environment before printing this email.

From: Hutchison, Carrie (ENE)
Sent: July 23, 2013 12:09 PM
To: Wright, Wesley (ENE)
Cc: Landers, Mike (ENE); Allen, Paula (ENE)
Subject: FW: Greenstone landfill expansion EA - draft ToR
Importance: High

Hello Wesley,

Attached are my comments on the ToR for the Greenstone WDS Individual EA. Please feel free to contact me with any questions.

Sincerely,

Carrie Hutchison

Carrie Hutchison

Environmental Planner/EA Coordinator
Ontario Ministry of the Environment
Phone (807) 475-1720
Facsimile (807) 475-1754

From: wesley.wright@ontario.ca [<mailto:wesley.wright@ontario.ca>]
Sent: July 17, 2013 9:17 AM
To: Kondrat, Todd (ENE); Hutchison, Carrie (ENE); Brown, Alisdair (ENE); Godwin, Amy L. (ENE)
Subject: Greenstone landfill expansion EA - draft ToR

Please let me know timeframe for your review/comments. Thanks! Wesley

File(s) will be available for download until **22 July 2013**:

File: [Greenstone WM EA TOR \(Draft June 3 2013\).pdf](#), 11,751.92 KB [[Fingerprint](#): 8c8893c9af886955d2f4f17cda24991e]

You have received attachment link(s) within this e-mail message sent via Enterprise Attachment Transfer Service. To retrieve the attachment(s), please click on the link(s).

Accellion File Transfer

Bemben, Kathy

From: Currie, Daniel
Sent: August-16-13 10:34 AM
To: Bemben, Kathy; John Smith
Subject: FW: Greenstone Landfill

FYI

From: Brian Aaltonen [<mailto:brian.aaltonen@greenstone.ca>]
Sent: Friday, August 16, 2013 10:31 AM
To: 'Jordan Hatton'
Cc: Currie, Daniel
Subject: RE: Greenstone Landfill

Hi Jordan:

Thank You for your response, I have forwarded this to the engineering company that prepared the ToR and this will be corrected in the final copy as this is only Draft at this time. As we have also discussed I am sure that an agreement can be developed between your community and the municipality to accept solid waste from your community. The details of how to best service your community can and will be worked out in the future.

Brain

From: Jordan Hatton [<mailto:jhatton@bnafn.ca>]
Sent: August-15-13 4:23 PM
To: brian.aaltonen@greenstone.ca
Cc: lairns@bnafn.ca; lcalder@bnafn.ca; jladouceur@bnafn.ca
Subject: Greenstone Landfill

Hi Brian,

I have reviewed the Terms of Reference for the new Greenstone Landfill facility. The only correction I have is that Bingwi Neyaashi Anishinaabek has had a new Chief and Council since January 2013. Therefore, the contact for BNA in "Appendix D" should be changed from Paul Gladu to Chief Laura Airns for future reference. The new Councillors for the First Nation are Lillian Calder and Joe Ladouceur. I did not see any other areas of concern with the ToFR.

As we have previously discussed, BNA is a new community, and does expect to have people living on the Reserve lands within the next few years. Therefore, it is important that BNA work closely with the Municipality of Greenstone to ensure that an arrangement can be made for the solid waste generated on-Reserve. We see this ToR as a great start, and we trust that we can work out an agreement regarding waste disposal with the Municipality.

Thanks Brian,

-Jordan

Jordan Hatton, M.A.
Director of Lands and Resources
Bingwi Neyaashi Anishinaabek (Sand Point First Nation)
Phone: 807-623-2724

Fax: 807-623-2764
Cell: 807-472-9619

Bemben, Kathy

From: Wright, Wesley (ENE) <Wesley.Wright@ontario.ca>
Sent: August-02-13 3:48 PM
To: Bemben, Kathy
Subject: Greenstone: flexibility clause

Hi, Kathy. My comments will include reference to the inadequacy of the text, as written, in section 11 to exhibit sufficient flexibility. Below is the text from another ToR (not yet approved, so please do not take this text to be gospel – it is to act simply as guidance) regarding this.

It is understood that, given the nature of ToR, it is not intended to present every detail of all the activities that will occur when preparing the EA. It is therefore possible that in carrying out the work contemplated by this ToR it may become evident that certain modifications to this ToR may be necessary. It is important to note that the commitments described in this ToR are a minimum that must be met, and that more may be required if necessary. It is envisioned that such changes may include:

- Requirements for additional or expanded evaluations, studies or work, (e.g., in the areas referred to in Section 9.0), to ensure that the nature and magnitude of potential positive and negative environmental effects are fully and accurately identified.
- Changes in methodology of the studies referred to in Section 9.0. This may be in response to studies that showed environmental effects to be greater or less than previously estimated.
- Modifications to the consultation program.
- Any other modifications required or available through changes to Acts or Regulations.

This list is not intended to be exhaustive. Rather, it sets out by example, the types of changes that will be considered routine and/or likely to result in insignificant effects on the environment, and therefore can be accommodated within the framework of the approved ToR.

In the event of uncertainty as to whether a proposed change should be considered routine or of note, the MOE will be consulted through the MOE EA project officer.

Thanks,

Wesley Wright | Project Officer

Environmental Approvals Branch | Ministry of the Environment

2 St. Clair Avenue West, Floor 12A | Toronto ON | M4V 1L5

T 416.325.5500 | TF 1.800.461.6290 | F 416.314.8452 | E wesley.wright@ontario.ca



Please consider the environment before printing this email.

Bemben, Kathy

From: Wright, Wesley (ENE) <Wesley.Wright@ontario.ca>
Sent: August-02-13 3:41 PM
To: Bemben, Kathy
Subject: Greenstone: Red Sky Métis

Hi, Kathy. I will have my comments to you by day's end.

Was a copy of the Draft ToR provided to Red Sky Métis Independent Nation and to Greenstone Métis Council?

Thanks,

Wesley Wright | Project Officer
Environmental Approvals Branch | Ministry of the Environment
2 St. Clair Avenue West, Floor 12A | Toronto ON | M4V 1L5
T 416.325.5500 | TF 1.800.461.6290 | F 416.314.8452 | E wesley.wright@ontario.ca



Please consider the environment before printing this email.

Bemben, Kathy

From: Wright, Wesley (ENE) <Wesley.Wright@ontario.ca>
Sent: August-02-13 4:28 PM
To: Bemben, Kathy
Cc: Lashbrook, Ross (ENE)
Subject: Greenstone draft ToR: EASS comments
Attachments: Greenstone_EASS Comments on draft ToR_130802.doc

Good afternoon, Kathy. Attached please find EASS comments on the June 2013 draft ToR for the Greenstone waste management EA. These comments complement the May 30, 2013 comments provided by EASS regarding the draft ToR dated April 19, 2013.

Please do not hesitate to contact me should you have any questions.

Thanks,

Wesley Wright | Project Officer
Environmental Approvals Branch | Ministry of the Environment
2 St. Clair Avenue West, Floor 12A | Toronto ON | M4V 1L5
T 416.325.5500 | TF 1.800.461.6290 | F 416.314.8452 | E wesley.wright@ontario.ca



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Télééc. : 416 314-8452



August 2, 2013

MEMORANDUM

TO: Kathy Bembem
Senior Associate
Hatch Mott MacDonald

FROM: Wesley Wright
Project Officer
Environmental Approvals Branch

RE: Review of the Draft Terms of Reference for the Municipality of Greenstone
Municipal Waste Disposal Plan Environmental Assessment
EA FILE NO. 03-08-02

Thank you for submitting the above referenced draft Terms of Reference (ToR) dated June 3, 2013, which was received on June 18, 2013 by the Environmental Assessment Services Section (EASS).

The EASS has reviewed the above-noted draft ToR in accordance with the requirements of the *Environmental Assessment Act* (EAA), its associated regulations, and the MOE's Code of Practice for Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario (Code of Practice) dated October 2009. The EASS offer the following comments for your consideration when finalizing the ToR for formal submission. These comments complement the May 30, 2013 comments provided by EASS regarding the draft ToR dated April 19, 2013.

Section 1 – Introduction [and General Comments]

1. Abbreviations/short forms should be used at the initial reference (e.g., Ministry of the Environment – page 1, paragraph 5), and all abbreviations should be defined (e.g., C of A – page 1, paragraph 5).

Section 2 – Environmental Assessment Planning Process

2. Greater clarity is required regarding what EA approach the proponent will take on the EA. Per page 12 of the Code of Practice, a proponent should use subsections 6(2)(a) and 6.1(2) if it is early in the planning process and unsure of the details of its proposal (alternatives, potential effects, etc.) or subsections 6(2)(c) and 6.1(3) if there is a more defined planning process and more details of the proposal are already known. The latter

is commonly referred to as “focusing.” The EAA excerpt in Section 2 of the draft ToR cites all of the above subsections; it is therefore unclear to the reader which EA approach (focused or unfocused) the proponent is going to follow for this project. Please clarify this.

3. The readability of Figure 2.1 is compromised because of the low resolution of the figure. Please correct this.

Section 6 – Alternatives to be Evaluated

4. (cf. item 10 of the May 30, 2013 EASS comments) Section 6.2: the text still indicates plurality (e.g., “have been selected” and “for the preferred options”). Please correct this.
5. Please change the text to read “If a landfill expansion is the preferred Alternative To, then . . .” for clarity, since two different categories of alternatives will be considered (Alternatives To and Alternative Methods).

Section 7 – Assessment and Evaluation

6. Table 7.1 states that “data sources will be included in the background documents.” It is unclear to the reader what background documents are being referred to. Additionally, subsection 4.2.7 of the Code of Practice requires the inclusion of potential data sources in the ToR. Please include potential data sources – per the examples cited in the Code of Practice, these could be included in the table of criteria and indicators in Appendix A.
7. Section 7.3: Please consider stating that the studies will be conducted in compliance with all applicable regulations and in consultation with the appropriate review agencies.
8. Appendix A: Specific parameters are often cited in other ToRs for particular indicators (water quality, air quality, etc.). As this has not been done, please include text to the effect of “specific parameters will be confirmed with review agencies during the EA.”

Section 8 – Existing Environment and Potential Effects

9. There is no overt discussion of the “built” environment. What are the designated land uses adjacent to the existing landfill? Is there much industry or commerce? Discussion of this aspect of the environment, as defined in the EAA, could be rolled up into subsection 8.2 as long as “Built” is included in the heading.

Section 9 – Consultation Plan for Environmental Assessment

10. In your response to item 23 of the May 30, 2013 EASS comments, you indicated that the “direct” and “limited” consultation lists were for consultation during the ToR process and not the EA, during which there will be no differentiation between the two lists with all communities being consulted equally. Please ensure the ToR overtly states this in the Consultation Plan.

Section 10 – Modifying the Terms of Reference

11. More than simply “minor” modifications to the EA approach may arise during the process, and more elements may require modification than what is written. Additionally, there is no discussion should changes be made to the EAA or associated regulations and the flexibility in the ToR to address this. The section, as written, does not provide enough flexibility for modifying the ToR.

Section 11 – Other Required Approvals

12. Should the proponent wish to coordinate the EA process at the provincial and federal level (if applicable), you will wish to follow up with CEAA to ascertain whether or not a federal EA is required for this project.

Section 13 – Environmental Assessment Report and Submission

13. The text in the first paragraph is confusing, not making it clear to the reader if the requirements of subsection 6.1(2) apply to the EA Report or to the EA. Please revise the text accordingly. You may wish to have the text read “An EA Report will document the EA, which will be carried out in accordance with . . . “

The EASS is of the view that the additions and modification to the ToR outlined above should be undertaken. Should you have any questions, please contact Mr. Wesley Wright, Project Officer, by phone at 416-325-5500 or by e-mail at wesley.wright@ontario.ca. Alternatively, you may contact Mr. Ross Lashbrook, Acting EASS Manager, by phone at 416-314-7967 or by e-mail at ross.lashbrook@ontario.ca.



Wesley Wright

- c. Ross Lashbrook, A/Manager, Environmental Assessment Services Section

Bemben, Kathy

From: Wright, Wesley (ENE) <Wesley.Wright@ontario.ca>
Sent: July-30-13 4:03 PM
To: Bemben, Kathy
Subject: FW: Greenstone Municipal Landfill TOR - Surface Water Comments
Attachments: GreenstoneLandfill EA TOR SurfaceWaterComments AG.pdf

SW comments

Thanks,

Wesley



Please consider the environment before printing this email.

From: Godwin, Amy L. (ENE)
Sent: July 30, 2013 3:57 PM
To: Wright, Wesley (ENE); Landers, Mike (ENE)
Cc: Kondrat, Todd (ENE); Hamilton, Don (ENE)
Subject: Greenstone Municipal Landfill TOR - Surface Water Comments

As requested, attached are the surface water comments regarding the EA Terms of Reference for the Municipality of Greenstone solid waste disposal plan.

Please let me know if you have any questions.

Thanks,

Amy

Amy Godwin

Surface Water Specialist
Northern Region - Technical Support
Ontario Ministry of the Environment
435 James Street South, Suite 331
Thunder Bay, ON. P7E 6S7
T: (807) 475-1794 \ F: (807) 475-1754
email: Amy.L.Godwin@ontario.ca

Ministry of the Environment
435 James Street South
Suite 331
Thunder Bay, ON P7E 6S7
Fax: (807) 475-1754
Tel: (807) 475-1794

Ministère de l'Environnement
435 rue James sud
Bureau 331
Thunder Bay, ON P7E 6S7



July 30, 2013

MEMORANDUM:

TO: Mike Landers
Senior Environmental Officer
Thunder Bay District Office

FROM: Amy Godwin
Surface Water Specialist
Technical Support Section, Northern Region

RE: Municipality of Greenstone – Municipal Solid Waste Disposal Plan
Environmental Assessment Terms of Reference
C of A No. A7004401

Introduction

As requested, I have reviewed the surface water related parts of the report submitted by the Municipality of Greenstone (the Municipality), entitled "*Municipal Waste Disposal Plan – Environmental Assessment Terms of Reference*" and dated June 3, 2013. This document details the draft Terms of Reference (TOR) that will become the framework for conducting an Environmental Assessment (EA) for a new waste disposal site as required under the Ontario EA Act.

The objectives of my review were to consider the draft TOR for completeness with respect to plans for assessing surface water impacts for the various alternatives and to ensure compliance with the EA Act.

Background

The current landfill in Geraldton is out of compliance with the existing Certificate of Approval (C of A) for the site. It exceeds both the approved waste disposal area (footprint) and the approved waste disposal volume. The landfill will be increasingly out of compliance since waste disposal activities are ongoing at the site and the landfill is planned to continue to receive waste until 2014. Consequently, the Municipality is seeking to amend the existing C of A to allow them to continue to operate until approximately May 2014.

The Municipality has also begun the EA process to evaluate disposal options and locations for a new solid waste management site within the Municipality. They intend to develop a long term (20 to 30 year) solid waste disposal plan to immediately service the town of Geraldton and to eventually service the other communities within the Municipality. The goal for the current study is to develop and receive MOE approval for a TOR in accordance with the EA Act. A new, long term plan for waste management for the Municipality is required since the current site exceeds its approved capacity and other nearby MNR landfill sites have been closed recently. As well, other facilities within the Municipality do not have the capacity to provide a

long term solution for solid waste disposal for the entire Municipality.

Study Area

The preliminary study area being considered for a new municipal landfill site extends to the boundaries of the Municipality of Greenstone.

Alternatives to be Evaluated

Seven various management strategies for residual waste will be considered during the EA process: thermal processing; biological processing; landfill expansion (horizontal and/or vertical); waste diversion and waste re-use; new landfill; export of waste; and the do nothing alternative.

Once the preferred management strategy (or combination of strategies) have been selected, then various alternative sites to carryout the preferred options will be explored. A constraint mapping process will first eliminate areas within the study area that are not suitable for consideration as preferred sites due to other interests or uses (ie: Aboriginal lands, provincially significant environments, etc.). The remaining sites will be evaluated using high level environmental, social, and economic analyses to determine a short list of candidate sites. These short listed sites will undergo additional screening and comparative evaluation to determine a preferred alternative. The preferred alternative and the selection process will be reviewed with the public and government review agencies and may be changed or further refined.

EA Studies and Evaluations

In order to conduct a thorough and complete evaluation and assessment of the various waste management strategies and alternative sites, a wide range of studies are planned which will provide information on all potential impacts of the various alternatives. These required studies and evaluations are planned to be continuously updated throughout the EA process. The list of planned studies in the draft TOR includes studies of surface water features and conditions and also the identification of potential effects, mitigation measures and net effects of the waste management strategies and the alternative site locations. The EA will include a detailed description of the environment within the study area and will also detail the potential impacts to the environment with recommended approaches to mitigate them. This will include aspects of the natural environment, the social/cultural features, and economic character within the study area.

The TOR lists the potential effects that are commonly associated with the various waste management strategies being considered and which may require mitigation measures. From a surface water perspective, this list includes potential impacts to aquatic habitats and the potential impact to local water quality if leachate and surface water runoff from the site is not managed properly. A full assessment of the potential impacts and associated mitigation measures will be conducted during the EA process.

Existing Environment and Potential Effects

The EA will include a detailed description of the environment within the study area and will also include potential impacts to the environment with associated mitigation strategies to address them.

Effects Monitoring

During the EA process a monitoring framework will be developed that considers all phases of the preferred alternative and will include monitoring to ensure compliance and to determine effects on the environment.

Consultation Plan for the Environmental Assessment Process

The TOR includes details on the various stakeholders that will be consulted during the EA process including government and agencies, the general public, and Aboriginal peoples. The consultation plan appears to be comprehensive and thorough and should ensure that all interested parties are afforded the chance to provide meaningful input to the EA at various points in the process. A full consultation and engagement program will be developed during the initial phases of the EA and a detailed record of all such activities will be maintained by the proponent.

Other Required Approvals

The proponent will identify all approvals required under the EA Act and the Environmental Protection Act (EPA) for each alternative being considered. Other approvals for the preferred alternative will be identified in the EA. Potential MOE approvals listed in the TOR include Stormwater and leachate management approvals, Permit to Take Water, Certificate of Approval for Air, and a Certificate of Approval for Noise.

Review and Discussion

The draft TOR provides a high level framework for the planned EA process for the new Greenstone Municipal solid waste disposal site. The draft TOR ensures that the EA will include a consideration of surface water impacts in various planned studies and will identify the primary sources of potential impacts to surface waters associated with such an undertaking.

The detailed description of the existing environment in the EA should also include baseline water quality data for the short-listed sites. The TOR should include specifics regarding how the necessary baseline data will be collected and be used to determine surface water quality and quantity effects for each of the alternatives to the undertaking. The TOR should also speak to other information that will be included in the EA including site specific information (ie: site history, other impacts, other uses), sampling and monitoring techniques, information collection and calculation methods, potential mitigation strategies, potential contingency plans to be considered, and potential water takings that may be required.

The TOR provides a comprehensive list of surface and ground water considerations that will be included as part of the alternatives evaluation of the EA process; the proponent plans to evaluate the type and severity of common surface and ground water impacts associated with the various alternatives as well as the potential for contamination or disruption to surface and ground water sources. In selecting a preferred site they will also consider the number of watercourses on or adjacent to the site, the potential for contamination or disruption to surface and ground water sources, and the effects on surface and ground water quantities or flow including significant sedimentation or soil erosion on or off site.

Given the high level of the draft TOR, the proponent has provided an adequate overview of surface water considerations that will be part of their EA process for the new Greenstone

Municipal solid waste management strategies and site location. Some additional details on baseline data collection techniques should be included in the final TOR as detailed above. As the EA process continues and the scope of the alternatives assessment is refined, the proponent is encouraged to continue to consult with and seek input from MOE regarding potential impacts to surface and groundwater sources and details of baseline studies.

If you have any questions regarding the above comments and recommendations, do not hesitate to contact me. The purpose of the preceding review is to provide advice to the Ministry of the Environment regarding the completeness of the draft TOR for the new Greenstone Municipal solid waste disposal plan with respect to the consideration of potential impacts to surface water features and the assessment of these impacts which is planned for inclusion in the EA process. The conclusions, opinions and recommendations of the reviewer are based on information provided by others, except where otherwise specifically noted. The Ministry cannot guarantee that the information that has been provided by others is accurate or complete. A lack of specific comment by the reviewer is not to be construed as endorsing the content or views expressed in the reviewed material.



Amy Godwin
Surface Water Specialist

c.c. Wesley Wright, Project Evaluator, Environmental Approvals Branch
Todd Kondrat, Surface Water Specialist, Group Leader
Don Hamilton, Water Resources Supervisor

Ministry of the Environment

Environmental Assessment and
Approvals Branch

2 St. Clair Avenue West
Floor 12A
Toronto, ON M4V 1L5
Tel.: 416 314-8298
Fax: 416 314-8452

Ministère de l'Environnement

Direction des évaluations et des
autorisations environnementales

2, avenue St. Clair Ouest
Étage 12A
Toronto, ON M4V 1L5
Tél. : 416 314-8298
Télééc. : 416 314-8452



August 1, 2013

MEMORANDUM

TO: Wesley Wright
Project Officer
Environmental Assessment Services Section
Environmental Approvals Branch

FROM: Stefanos Habtom
Senior Wastewater Engineer
Environmental Approval Services Section
Environmental Approvals Branch

RE: Draft Terms of Reference – Municipality of Greenstone Municipal Solid Waste
Disposal Plan Environmental Assessment

I have completed my review of the Draft Terms of Reference – Municipality of Greenstone Municipal Solid Waste Disposal Plan Environmental Assessment and I provide the following comments for your consideration.

With respect to the mandate of the Environmental Approval Services Section, EAB, under Section 53 of the *Ontario Water Resources Act* (OWRA), the outline of draft terms of reference is acceptable. We will provide review comments on the potential impact to surface water and groundwater of the preferred alternative and associated impact mitigation alternatives when the Environmental Assessment Report is submitted.

If you require any additional information, please do not hesitate to contact me at (416) 314 8298.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Stefanos Habtom", written over a horizontal line.

Stefanos Habtom, P. Eng.

c: Edgar Tovilla, P. Eng., Supervisor (A), Environmental Approval Services Section, EAB

Bemben, Kathy

From: Wright, Wesley (ENE) <Wesley.Wright@ontario.ca>
Sent: August-01-13 11:21 AM
To: Bemben, Kathy
Subject: FW: Review Comments - Draft Terms of Reference - Municipality of Greenstone Solid Waste Disposal Plan
Attachments: Municipality of Greenstone Muniapial Solid Waste Diposal Plan - Terms of Reference.pdf

Wastewater engineer comments...

Thanks,

Wesley



Please consider the environment before printing this email.

From: Habtom, Stefanos (ENE)
Sent: August 1, 2013 10:56 AM
To: Wright, Wesley (ENE)
Cc: Tovilla, Edgar (ENE)
Subject: Review Comments - Draft Terms of Reference - Municipality of Greenstone Solid Waste Disposal Plan

Wesley,

Please find attached review comments on the draft Terms of Reference for the Municipality of Greenstone. I will return the hard copy of the Term of Reference to Christopher.

Best regards,
Stefanos Habtom

Currie, Daniel

From: Brian Aaltonen <brian.aaltonen@greenstone.ca>
Sent: Friday, August 16, 2013 10:31 AM
To: 'Jordan Hatton'
Cc: Currie, Daniel
Subject: RE: Greenstone Landfill

Hi Jordan:

Thank You for your response, I have forwarded this to the engineering company that prepared the ToR and this will be corrected in the final copy as this is only Draft at this time. As we have also discussed I am sure that an agreement can be developed between your community and the municipality to accept solid waste from your community. The details of how to best service your community can and will be worked out in the future.

Brian

From: Jordan Hatton [mailto:jhatton@bnafn.ca]
Sent: August-15-13 4:23 PM
To: brian.aaltonen@greenstone.ca
Cc: lairns@bnafn.ca; lcalder@bnafn.ca; jladouceur@bnafn.ca
Subject: Greenstone Landfill

Hi Brian,

I have reviewed the Terms of Reference for the new Greenstone Landfill facility. The only correction I have is that Bingwi Neyaashi Anishinaabek has had a new Chief and Council since January 2013. Therefore, the contact for BNA in "Appendix D" should be changed from Paul Gladu to Chief Laura Airns for future reference. The new Councillors for the First Nation are Lillian Calder and Joe Ladouceur. I did not see any other areas of concern with the ToFR.

As we have previously discussed, BNA is a new community, and does expect to have people living on the Reserve lands within the next few years. Therefore, it is important that BNA work closely with the Municipality of Greenstone to ensure that an arrangement can be made for the solid waste generated on-Reserve. We see this ToR as a great start, and we trust that we can work out an agreement regarding waste disposal with the Municipality.

Thanks Brian,

-Jordan

Jordan Hatton, M.A.
Director of Lands and Resources
Bingwi Neyaashi Anishinaabek (Sand Point First Nation)
Phone: 807-623-2724
Fax: 807-623-2764
Cell: 807-472-9619

APPENDIX F
REVIEW OF DRAFT ToR
GART CONTACT LIST

June 17, 2013

PN 11058 ENV

Sample Letter Distributed to GRT

Re: Municipality of Greenstone
Landfill Environmental Assessment
Draft Terms of Reference
Government Review Team

The Corporation of the Municipality of Greenstone has initiated a study under the Environmental Assessment Act to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

The first step in the process is the preparation of a Terms of Reference (ToR). The ToR sets out the proponent's framework and work plan for addressing the Environmental Assessment Act requirements when preparing the environmental assessment, including such things as the alternatives that will be considered and the public consultation activities that will be carried out.

You have been identified as a member of the Government Review Team (GRT) for this project. Please review the attached Draft Terms of Reference, and forward your comments to the undersigned with a copy to the Project Officer by July 22, 2013:

Ms. Kathy Bemben, P. Eng.
Project Manager
Hatch Mott MacDonald
200 S. Syndicate Ave. Suite 301
Thunder Bay, ON P7E 1C9
Tel.: 807-623-3449 x. 225
Fax: 807-623-5925
kathy.bemben@hatchmott.com

Mr. Wesley Wright
Project Officer
Ministry of the Environment – Environmental
Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto ON M4V 1L5
Tel.: 416 314-8001
Fax: 416 314-8452
wesley.wright@ontario.ca

Yours truly,
Engineering Northwest Ltd.
A Division of Hatch Mott MacDonald



Kathy Bemben, P. Eng.,
Project Manager
Enclosure

c.c. B. Aaltonen, Municipality of Greenstone
ENL/file

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

Aroland First Nation
P.O. Box 390
Nakina, ON
P0T 2H0

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

The Corporation of the Municipality of Greenstone has initiated a study under the Environmental Assessment Act to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

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A draft Terms of Reference (ToR) has been prepared and is enclosed for your review and comment.

The Municipality would be pleased to review and discuss the draft ToR with your community at your earliest convenience.

I will contact you directly to discuss further.

Sincerely,

A handwritten signature in black ink, appearing to read 'B. Aaltonen', with a long, sweeping horizontal stroke extending to the right.

Brian Aaltonen
Director of Public Services

Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

Animbiigoo Zaagi'igan Anishinaabek
204 Main St.
P.O. Box 120
Beardmore, ON
P0T 1G0

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

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Brian Aaltonen
Director of Public Services

Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

Biinjitiwaabik Zaaging Anishinaabek
501 Spirit Bay Road
General Delivery
MacDiarmid, Ontario
P0T 2B0

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

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Brian Aaltonen
Director of Public Services

Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

William Gordon, President
Greenstone Métis Council
205 Clarke Ave. PO Box 825
Geraldton, ON
P0T 1M0

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

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Brian Aaltonen
Director of Public Services

Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

Red Sky Métis Independent Nation
406 East Victoria Avenue
Thunder Bay, Ontario
P7C 1A5

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

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Director of Public Services

Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

Bingwi Neyaashi Anishinaabek
146 Court St. S.
Thunder Bay, ON
P7B 2X6

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

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Brian Aaltonen
Director of Public Services

Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

Ginoogaming First Nation
P.O. Box 89
Longlac, ON
P0T 2A0

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

The Corporation of the Municipality of Greenstone has initiated a study under the Environmental Assessment Act to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

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Brian Aaltonen
Director of Public Services

Encl.

ADMINISTRATION OFFICE
1800 Main Street
P.O. Box 70
Geraldton, ON P0T 1M0



GREENSTONE

Phone: 807-854-1100
Fax: 807-854-1947
Email: administration@greenstone.ca

August 9, 2013

Long Lake #58 First Nation
P.O. Box 609
Longlac, ON
P0T 2A0

Dear Chief & Council:

Re: New Municipal Landfill Site Consultation

The Corporation of the Municipality of Greenstone has initiated a study under the Environmental Assessment Act to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

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Sincerely,

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Brian Aaltonen
Director of Public Services

Encl.

Government Review Team
 Inclusion List for Consultation – Greenstone Landfill ToR EA

GRT List for Draft ToR Review- June 2013

Revised June 14 - for mail merge

Name, Position, Agency and Address	Document Form	Phone, fax, and e-mail
Manager, Transmission Lines Sustainment Investment Planning Attn: Walter Kloostra Hydro One Networks Inc. 483 Bay Street, North Tower, 15th Floor Toronto ON M5G 2P5	2 hard copies or 1 hard copy if download available.	T: 416-345-5114 F: 416-345-5443 w.d.kloostra@HydroOne.com
Mr. David Pickles, Team Lead Consultation Unit, Aboriginal Relations and Ministry Partnerships Division Ministry of Aboriginal Affairs 9 th Floor, 160 Bloor Street East Toronto ON M7A 2E6	Send legal description of property, location map and project description.	T: 416-326-4757 F: 416-326-1066 david.pickles@ontario.ca
Ms. Ashley Johnson, Advisor Strategic Policy and Planning Division Consultation Unit, Aboriginal Relations and Ministry Partnerships Division Ministry of Aboriginal Affairs 9 th Floor, 160 Bloor Street East Toronto ON M7A 2E6		T: 416-326-6313 Ashley.Johnson@ontario.ca
Ms. Penny Young, Heritage Planner Culture Services Unit, Programs and Services Branch Ministry of Tourism, Culture and Sport 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 hard copy to for the unit 1 electronic/e mail copy each	T: 416-212-4019 F: 416-314-7175 penny.young@ontario.ca
Mr. Joe Muller, Heritage Planner Culture Services Unit, Programs and Services Branch Ministry of Tourism, Culture and Sport 401 Bay Street, Suite 1700 Toronto ON M7A 0A7		T: 416-314-7145 F: 416-314-7175 Joseph.muller@ontario.ca
Ms. Elaine Lynch, Manager North Region Ministries of Citizenship and Immigration, Tourism, Culture, and Sport 435 James Street South, Suite. 334 Thunder Bay, ON P7E 6E3	1 hard copy	T: 807-475-1635 F: 807-475-1297 elaine.lynch@ontario.ca

Government Review Team
Inclusion List for Consultation – Greenstone Landfill ToR EA

GRT List for Draft ToR Review- June 2013

Revised June 14 - for mail merge

Name, Position, Agency and Address	Document Form	Phone, fax, and e-mail
Superior-Greenstone District School Board 12 Hemlo Drive, Bag A Marathon, Ontario P0T 2E0	1 hard copy	Boardoffice@sgdsb.on.ca
Superior North Catholic District School Board Box 610 21 Simcoe Plaza Terrace Bay, ON P0T 2W0	1 hard copy	vpichette@sncdsb.on.ca
Conseil scolaire public Grand Nord de l'Ontario 296 Van Horne Street Sudbury, ON P3B 1H9	1 hard copy	information@cspgno.ca
Catholic District School Board of Northern Lights 175 High Street North Thunder Bay, ON P7B 8C7	1 hard copy	info@csdcab.on.ca
Ms. Joy Fish pool, Manager OPP Facilities Section Ontario Provincial Police 777 Memorial Avenue, 2nd Floor Orillia ON L3V 6H3	Downloading preferred	T: 705-329-6815 F: 705-329-6808
Ali Veshkini, Director (A) Ministry of Community Safety and Correctional Services George Drew Building 17th Floor, 25 Grosvenor Street Toronto ON M7A 2G8	Downloading preferred	T: 416-314-6683 F: 416-314-3225 ali.veshkini@ontario.ca
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Government Review Team
Inclusion List for Consultation – Greenstone Landfill ToR EA

GRT List for Draft ToR Review- June 2013

Revised June 14 - for mail merge

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Mr. Tony Amalfa, Manager Environmental Health Policy & Programs Ministry of Health and Long-Term Care 393 University Avenue, 21 st Floor Toronto ON M7A 2S1	Hard copy of EA summary and map	T: 416-327-7634 F: 416-327-0984 tony.amalfa@ontario.ca
Thunder Bay District Health Unit Medical Officer of Health Main Office 999 Balmoral Street Thunder Bay, ON P7B 6E7	1 hard copy	

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Ministry of Natural Resources Northwest Region Ontario Government Building Suite 221A, 435 James Street South Thunder Bay, ON P7E 6E3 Attn: Londa Mortson, Regional Planning Coordinator	1 hard copy of cover letter or EA	T: 807-475-1715 F: 807-473-3023 Londa.Mortson@ont ario.ca
Nipigon District Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W, PO Box 640 Geraldton, ON P0T 1M0 Att: Peggy Bluth, District Planner	3 hard copies	T: 807-854-1829 F: 807-854-0335 Peggy.bluth@onta rio.ca

Government Review Team
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Anjala Puvananathan Director, Ontario Region Canadian Environmental Assessment Agency 55 St. Clair Avenue East, Suite 907 Toronto ON M4T 1M2	To be determined	T: 416-952-1575 F: 416-952-1573 jeremy.shultz@cea-a-acee.gc.ca
Environmental Assessment Coordination Environment Unit Lands and Trusts Services Aboriginal Affairs and Northern Development Canada 25 St. Clair Avenue East, 8th Floor Toronto ON M4T 1M2	Send legal description of property, location map AND description of project.	EACoordination_ON@aadnc-aandc.gc.ca
Consultation & Accommodation Unit Aboriginal Affairs and Northern Development Canada 300 Sparks Street Ottawa ON K1A 0A4	Send legal description of property, location map and description of project.	CAU-UCA@aadnc-aandc.gc.ca
Rob Dobos, Manager Environmental Assessment Section Environmental Protection Operations Division - Ontario Region Environment Canada P.O. Box 5050, 867 Lakeshore Rd. Burlington ON L7R 4A6	Electronic (CD) version preferred	T 905-336-4953 F 905-336-8901 rob.dobos@ec.gc.ca
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Stefan Linder, Manager, Public Works Design & Construction CN Rail 4 Welding Way off Administration Road Vaughan ON L4K 1B9	1 hard copy	T: 905-669-3264 F: 905-760-3406 stefan.linder@cn.ca

APPENDIX G

NOTICE OF SUBMISSION

&

DISTRIBUTION CONTACT LIST

NOTICE OF SUBMISSION OF TERMS OF REFERENCE



Municipality of Greenstone Landfill Environmental Assessment

As part of the planning process for the Municipality of Greenstone Landfill Environmental Assessment, a terms of reference was submitted to the Ministry of the Environment for review as required under the *Environmental Assessment Act*. If approved, the terms of reference will serve as a framework for the preparation and review for the environmental assessment for the proposed undertaking.

The Corporation of the Municipality of Greenstone has initiated this study to review alternative options for municipal solid waste management within the Municipality. The need for the study is as a result of the closure of several rural MNR owned landfill sites and the limited remaining lifespan of the existing Geraldton Ward landfill site.

You may inspect the proposed terms of reference during normal business hours at the following locations or on the Municipality's website at www.greenstone.ca:

1. Geraldton Ward Municipal Office
1800 Main St., Geraldton, ON
2. Beardmore Ward Municipal Office
78 Pearl St., Beardmore, ON
3. Longlac Ward Municipal Office
105 Hamel Av., Longlac, ON
4. Nakina Ward Municipal Office
200 Centre Ave., Nakina, ON
5. Ministry of the Environment
Environmental Assessment and Approvals Branch
St. Clair Avenue West, Floor 12A
Toronto, ON M4V 1L5
416-314-8001/1-800-461-6290
6. Ministry of the Environment - Thunder Bay
Regional Office
Suite 331 435 James St. S. 3rd Floor
Thunder Bay, ON P7E 6S7
1-800-875-7772

Your written comments about the terms of reference must be received before Friday December 13, 2013. All comments should be submitted to:

Wesley Wright, Project Officer
Ministry of the Environment
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario, M4V 1L5
Tel: 416-325-5500 / 1-800-461-6290
Fax: 416-314-8452

A copy of all comments will be forwarded to the proponent for its consideration.

For further information on the proposed study please contact:

Kathy Bemben, P. Eng.
Engineering Northwest Ltd.
(A Division of Hatch Mott MacDonald)
200 S. Syndicate Ave. Suite 301
Thunder Bay, ON P7E 1C9
Email: kathy.bemben@hatchmott.com
Tel: 807-623-3449 x. 225
Fax: 807-623-5925



This Notice issued November 13th 2013.

All personal information included in a submission – such as name, address, telephone number and property location – is collected, maintained and disclosed by the Ministry of the Environment for the purpose of transparency and consultation. The information is collected under the authority of the *Environmental Assessment Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in s.37 of the *Freedom of Information and Protection of Privacy Act* (FIPPA). Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential.

For more information, please contact the Ministry of the Environment's Freedom of Information and Privacy Coordinator at (416) 327-1434.

Communities for Direct Consultation:

Long Lake #58 First Nation
P.O. Box 609
Longlac, ON
POT 2A0

Ginoogaming First Nation
P.O. Box 89
Longlac, ON
POT 2A0

Bingwi Neyaashi Anishinaabek
146 Court St. S.
Thunder Bay, ON
P7B 2X6

Biinjitiwaabik Zaaging Anishinaabek
501 Spirit Bay Road
General Delivery
MacDiarmid, Ontario
POT 2B0

Animbiigoo Zaagi'igan Anishinaabek
204 Main St.
P.O. Box 120
Beardmore, ON
POT 1G0

Aroland First Nation
P.O. Box 390
Nakina, ON
POT 2H0

Red Sky Métis Independent Nation
406 East Victoria Avenue
Thunder Bay, Ontario
P7C 1A5

William Gordon, President
Greenstone Métis Council
205 Clarke Ave. PO Box 825
Geraldton, ON
POT 1M0

Other First Nation Communities for Limited Consultation:

Gull Bay First Nation
General Delivery
Gull Bay, ON
POT 1P0

Fort William First Nation
90 Anemki Drive, Suite 200
Thunder Bay, ON
P7J 1L3

Michipicoten First Nation
P.O. Box 1, Site 8, RR#1
Wawa, ON
POS 1K0

Namaygoosisagagun First Nation
195 Park Avenue
Thunder Bay, ON
P7B 1B9

Pays Plat First Nation
10 Central Place
Pays Plat, Ontario
POT 3C0

Pic Mobert First Nation
P.O. Box 717
Mobert, ON
POM 2J0

Pic River First Nation
78 Pic River Rd. Box 193
Heron Bay, Ontario, ON
POT 1R0

Red Rock Indian Band
P.O. Box 1030
Nipigon, Ontario
POT 2J0

Notice of Submission of Terms of Reference (October 2013)
First Nation Letters

Constance Lake First Nation
PO Box 4000
Constance Lake, ON P0L 1B0

P0T 2L0

Eabametoong First Nation
Eabamet Lake Post Office
Fort Hope, ON
P0T 1L0

Neskantaga First Nation
P.O. Box 105
Lansdowne House, ON
P0T 1Z0

Hornepayne First Nation
P.O. Box 1553, 274 Front Street
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P0M 1Z0

Nibinamik First Nation
General Delivery
Ontario
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Marten Falls First Nation
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	Carrie Hutchison Environmental Resource Planner/EA Coordinator Technical Support (Thunder Bay) 3 rd Floor, Suite 331 435 James St. South Thunder Bay, ON P7E 6S7	Ms. Hutchison		Updated Jan 22-2013 (email from C. Hutchison dated Dec 18-2013 that she will be the Regional EA contact for the Municipality of Greenstone Landfill EA).	carrie.hutchison@ontario.ca
	Wesley Wright Project Officer Environmental Approvals Branch Ministry of the Environment 2 St. Clair Avenue West, Floor 12A, Toronto ON M4V 1L5	Mr. Wright		Updated from Cindy Batista Feb.7-13 as per email from Mr. Wright on Feb 6-13	wesley.wright@ontario.ca

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	Melanie Lankin Senior Lands & Waters Technical Specialist (Acting) - GERALDTON AREA OFFICE Ministry of Natural Resources Ontario Government Bldg 208 Beamish Ave W PO Box 640 Geraldton ON P0T1M0	Ms. Lankin			melanie.lankin@ontario.ca
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	Mr. Peter Reed, Manager, Land Use Planning Infrastructure Ontario 1 Dundas St. W., Suite 2000 Toronto ON M5G 2L5	Mr. Reed	416-326-0904	Electronic version	Peter.Reed@infrastructureontario.ca
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	Consultation & Accommodation Unit Aboriginal Affairs and Northern Development Canada 300 Sparks Street Ottawa ON K1A 04A	Sir/Madam	n/a		CAU-UCA@aadnc-aandc.gc.ca
	Sara Eddy, Senior Habitat Biologist Fish Habitat Management Ontario-Great Lakes Area Fisheries and Oceans Canada District Office, 867 Lakeshore Road Burlington ON L7R 4A6	Ms. Eddy	905-336-4535	Call first	Sara.Eddy@dfo-mpo.gc.ca

	Environmental Coordinator Transport Canada - Ontario Region 4900 Yonge Street 4 th Floor (PHE) North York, ON M2N 6A5	Sir/Madam		Updated Jan 22-2013 (as per email)	
	Transport Canada Thunder Bay 33 Court Street South Thunder Bay, Ontario P7B 2W6	Sir/Madam			
	Ms. Monique Mousseau, Regional Manager Environmental Affairs, Programs Branch Transport Canada - Ontario Region 4900 Yonge Street, Suite 300 Toronto, ON M2N 6A5	Ms. Mousseau	416-952-0485	Call first	mousseu@tc.gc.ca

	Lucy Butts Regional Director General, Ontario Region Health Canada REGIONAL DIRECTOR GENERAL'S OFFICE 180 Queen Street West Toronto, Ontario M5V 3L7	Ms. Butts			Lucy.butts@hc-sc.gc.ca
	Canadian Environmental Assessment Agency Place Bell Canada 160 Elgin Street, 22nd Floor Ottawa, Ontario K1A 0H3	Sir/Madam			info@ceaa-acee.gc.ca
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	Councillor Chris Walterson The Municipality of Greenstone P.O. Box 70 1800 Main Street Geraldton, ON P0T 1M0	Councillor Walterson			dkeats@nwconx.net
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	Ms. Paula Brown Operational Policy and Strategic Planning Bureau Ontario Provincial Police 777 Memorial Avenue, 3rd Floor Orillia ON L3V 7V3	Ms. Brown	705-329-6903		Paula.brown@ontario.ca
	Ms. Joy Fish pool, Manager OPP Facilities Section Ontario Provincial Police 777 Memorial Avenue, 2nd Floor Orillia ON L3V 6H3	Ms. Fish		Added from GRT, Oct. 7, 2013 Downloading preferred	T: 705-329-6815 F: 705-329-6808
	Stephane Leblanc Superintendent, EMS District Operations Superior North Emergency Medical Services 815 Main St. Box 1350 Geraldton, ON P0T 1MO	Mr. Leblanc		Updated address, was originally returned as 'moved' Jan 30-12	sleblanc@thunderbay.ca
	Marc Tousignant Superintendent, EMS Operations Superior North Emergency Medical Services 125 Hogan Rd. P.O. Box 130 Nipigon, ON P0T 2J0	Mr. Tousignant		Updated address, was originally returned as 'moved' Jan30-12	mtousignant@thunderbay.ca

	Mike Hammer, Chief Fire Officer Greenstone Fire Department 1800 Main Street PO Box 70 Geraldton, ON P0T1M0			1 hard copy	
	Ali Veshkini, Director (A) Ministry of Community Safety and Correctional Services George Drew Building 17th Floor, 25 Grosvenor Street Toronto ON M7A 2G8			Added from GRT, Oct. 7, 2013 Downloading preferred	T: 416-314-6683 F: 416-314-3225 ali.veshkini@ontario.ca
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	Superior North Catholic District School Board Box 610 21 Simcoe Plaza Terrace Bay, ON P0T 2W0	Sir/Madam			

	Catholic District School Board of Northern Lights 175 High Street North Thunder Bay, ON P7B 8C7	Sir/Madam			
	Conseil scolaire public Grand Nord de l'Ontario 296 Van Horne Street Sudbury, ON P3B 1H9	Sir/Madam			
Railways	Canadian National Railway Company Montreal (Headquarters) 935 de La Gauchetiere St. West Montreal, Quebec H3B 2M9	Sir/Madam			
	Canadian Pacific Railway 1290 central Parkway West Mississauga, ON L5C 4R3	Sir/Madam			
	Stefan Linder, Manager, Public Works Design & Construction CN Rail 4 Welding Way off Administration Road Vaughan ON L4K 1B9			Added from GRT, Oct. 7, 2013 1 hard copy	

Medical Care	Thunder Bay District Health Unit Main Office 999 Balmoral Street Thunder Bay, ON P7B 6E7	Sir/Madam			
	Thunder Bay District Health Unit Geraldton Branch P. O. Box 1360 510 Hogarth Ave., W. Geraldton, ON P0T 1M0	Sir/Madam			
Utilities	Don McClusky Union Gas 1211 Amber Drive Thunder Bay, ON P7A 8B2	Mr. McClusky			
	Walter Kloostra, Manager, Transmission Lines Sustainment Investment Planning Hydro One Networks Inc. 483 Bay Street, North Tower, 15th Floor Toronto ON M5G 2P5	Mr. Kloostra	416-345-5114		T: 416-345-5114 F: 416-345-5443 w.d.kloostra@HydroOne.com

	Dave Lloyd Customer Service Foreman HydroOne 255 Burwood Road P. O. Box 10309 Thunder Bay, ON P7B 6T8	Mr. Lloyd		Updated Name as per email from Diane Jan. 29/13	
	Bell Canada 229 Vickers St. S. Thunder Bay, ON P7B 6J9	Sir/Madam			
	Paul Mascarin TBay Tel OPE Specialist TBayTel 1050 Lithium Drive Thunder Bay, ON P7B 6G3	Mr. Mascarin			
Other	Michael Shultz TransCanada Pipelines Ltd. 450 First St. SW. Calgary, AB T2P 5H1	Mr. Shultz		Jan 25-13: Changed- updated address as we received a RTS for PN 11018#12 for this address as it was listed as 'no such address.' Jan 30-13 returned as moved. changed name & address after calling their safety and environment division 1- 855-920-1909	

	Eric Pietsch, President Geraldton District Chamber of Commerce P.O. Box 128 Geraldton, ON P0T 1M0	Mr. Pietsch			chamber@geraldtonchamber.com
	President North of Superior Tourism Association 605 E. Victoria Ave. Thunder Bay, ON P7C 1B1	Sir/Madam			info@northofsuperior.org
	Wayne Kaboni, President Longlac Chamber of Commerce P.O. Box 877 Longlac, ON P0T 2A0	Mr. Kaboni			info@longlacchamber.com
	Geraldton Area Natural Resources Advisory Committee 208 Beamish Avenue PO Box 640 GERALDTON, Ontario POT 1M0	Sir/Madam			
	Del Isaacs, President Longlac Historical Society P.O. Box 210 Longlac, ON P0T 2A0	Mr. Isaacs			

	Mario Cloutier, President Longlac Snowmobile Club PO Box 748 Longlac, ON P0T 2A0	Mr. Cloutier			Marioc1@xplornet.com
	Longlac Cross-Country Ski Club 104 Forestry Rd. Longlac, ON P0T 2A0	Sir/Madam			
	Cory Nephin, Operations Manager Geraldton Community Forest Inc. 7 Popowich Dr. Geraldton, ON P0T 1M0	Mr. Nephin			Cory.nephin@gcfi.net
	Greenstone Economic Development Corporation P.O. Box 1018 1409 Main Street Geraldton, ON P0T 1M0	Sir/Madam			info@gedc.ca
	Buchanan Northern Hardwoods Inc 94 Vibert Rd, Thunder Bay, ON P7C 5M9	Sir/Madam			

	Mike Malouf 140140 Richview Road Etobicoke, ON M9A 5C1	Mr. Malouf			
	Dave Koroscil Box 52 Geraldton, ON P0T 1M0	Mr. Koroscil			
	Louise Koroscil 369 Balsam St. Thunder Bay, ON P7A 5N9	Ms. Koroscil			

Appendix F – MTCS Criteria for Evaluating Archaeological Potential

Ministry of Tourism and Culture

Criteria for Determining Archaeological Potential

A Checklist for the Non-Specialist

Feature of Archaeological Potential	Yes	No	Unknown
1. Known archaeological sites within 300 m of property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physical Features			
2. Water on or near the property If yes, what kind of water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) Primary water source (lake, river, large creek, etc)			
▪ within 300 m, OR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ 50 m for properties in northern Ontario and Canadian Shield terrain*			
b) Secondary water source (stream, spring, marsh, swamp, etc)			
▪ within 300 m, OR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ 50 m for properties in northern Ontario and Canadian Shield terrain*			
c) Past water source (beach ridge, river bed, relic creek, ancient shoreline, etc)			
▪ within 300 m, OR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ 150 m for properties in northern Ontario and Canadian Shield terrain*			
3. Elevated topography on property (knolls, drumlins, eskers, plateaus, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Pockets of sandy soil in a clay or rocky area on property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Distinctive land formations on property (mounds, caverns, waterfalls, peninsulas, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cultural Features			
6. Known burial site or cemetery on or adjacent to the property (cemetery is registered with the Cemeteries Regulation Unit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Food or scarce resource harvest areas on property (traditional fishing locations, agricultural/berry extraction areas, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Indications of early Euro-Canadian settlement within 300 m of property (monuments, cemeteries, structures, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Early historic transportation routes within 100 m of property (historic road, trail, portage, rail corridor, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Property-specific Information			
10. Property is designated and/or listed under the <i>Ontario Heritage Act</i> (municipal register and lands described in Reg. 875 of the <i>Ontario Heritage Act</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Local knowledge of archaeological potential of property (from aboriginal communities, heritage organisations, municipal heritage committees, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Recent ground disturbance [†] (post-1960, extensive and deep land alterations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The entire property should be screened for archaeological potential, not only the footprint where work is proposed.

*Northern Ontario is defined as Manitoulin Island, the Districts of Muskoka, Haliburton and Nipissing, and areas to the north. The Canadian Shield is defined as the area of Ontario underlain by the Precambrian Shield.

[†] Archaeological potential can be determined not to be present for either the entire property or a part(s) of it when the area under consideration has been subject to extensive and deep land alterations that have severely damaged the integrity of any archaeological resources. This is commonly referred to as 'disturbed' or 'disturbance', and may include: quarrying, major landscaping involving grading below topsoil, building footprints, sewage and infrastructure development. Activities such as agricultural cultivation, gardening, minor grading and landscaping do not necessarily affect archaeological potential.

Scoring the results:

If **Yes** to any of 1, 2a-c, 6 or 11

→ archaeological potential is **determined** – assessment is required

If **Yes** to two or more of 3 to 5 or 7-10

→ archaeological potential is **determined** – assessment is required

If **Yes** to 12 or **No** to 1 to 10

→ **low** archaeological potential is **determined** – assessment may or may not be required (depending on answers from 1-11)

If 3 or more **Unknown**

→ more research is required (**See note below for more information**)

Note: If archaeological potential features are unknown, a professional archaeologist licensed under the *Ontario Heritage Act* should be retained to carry out a minimum Stage 1 archaeological assessment report confirming potential or low potential. All reports are to be in compliance with provincial archaeological assessment standards and guidelines.

Appendix G – MTCS Screening for Impacts to Built Heritage and Cultural Heritage Landscapes Checklist

Screening for Impacts to Built Heritage and Cultural Heritage Landscapes

This checklist is intended to help proponents determine whether their project could affect known or potential cultural heritage resources. The completed checklist should be returned to the appropriate Heritage Planner or Heritage Advisor at the Ministry of Tourism and Culture.

Step 1 – Screening for Recognized Cultural Heritage Value

YES	NO	Unknown	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Is the subject property designated or adjacent* to a property designated under the <i>Ontario Heritage Act</i> ?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Is the subject property listed on the municipal heritage register or a provincial register/list? (e.g. Ontario Heritage Bridge List)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Is the subject property within or adjacent to a Heritage Conservation District?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Does the subject property have an Ontario Heritage Trust easement or is it adjacent to such a property?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Is there a provincial or federal plaque on or near the subject property?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Is the subject property a National Historic Site?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Is the subject property recognized or valued by an Aboriginal community?

Step 2 – Screening Potential Resources

YES	NO	Unknown	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Built heritage resources
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Does the subject property or an adjacent property contain any buildings or structures over forty years old[†] that are:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Residential structures (e.g. house, apartment building, shanty or trap line shelter)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Farm buildings (e.g. barns, outbuildings, silos, windmills)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Industrial, commercial or institutional buildings (e.g. a factory, school, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Engineering works (e.g. bridges, water or communications towers, roads, water/sewer systems, dams, earthworks, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Monuments or Landmark Features (e.g. cairns, statues, obelisks, fountains, reflecting pools, retaining walls, boundary or claim markers, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Is the subject property or an adjacent property associated with a known architect or builder?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Is the subject property or an adjacent property associated with a person or event of historic interest?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. When the municipal heritage planner was contacted regarding potential cultural heritage value of the subject property, did they express interest or concern?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cultural heritage landscapes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Does the subject property contain landscape features such as:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Burial sites and/or cemeteries
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Parks or gardens
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Quarries, mining, industrial or farming operations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Canals
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Prominent natural features that could have special value to people (such as waterfalls, rocky outcrops, large specimen trees, caves, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Evidence of other human-made alterations to the natural landscape (such as trails, boundary or way-finding markers, mounds, earthworks, cultivation, non-native species, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Is the subject property within a Canadian Heritage River watershed?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Is the subject property near the Rideau Canal Corridor UNESCO World Heritage Site?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Is there any evidence from documentary sources (e.g., local histories, a local recognition program, research studies, previous heritage impact assessment reports, etc.) or local knowledge or Aboriginal oral history, associating the subject property/ area with historic events, activities or persons?

Note:

If the answer is "yes" to any question in Step 1, proceed to Step 3.

The following resources can assist in answering questions in Step 1:

Municipal Clerk or Planning Department – Information on properties designated under the Ontario Heritage Act (individual properties or Heritage Conservation Districts) and properties listed on a Municipal Heritage register.

Ontario Heritage Trust – Contact the OHT directly regarding easement properties. A list of OHT plaques can be found on the website: [Ontario Heritage Trust](#)

Parks Canada – A list of National Historic Sites can be found on the website: [Parks Canada](#)

Ministry of Tourism and Culture – The Ontario Heritage Properties Database includes close to 8000 identified heritage properties. Note while this database is a valuable resource, it has not been updated since 2005, and therefore is not comprehensive or exhaustive. [Ontario Heritage Properties Database](#)

Local or Provincial archives

Local heritage organizations, such as the municipal heritage committee, historical society, local branch of the Architectural Conservancy of Ontario, etc.

Consideration should also be given to obtaining oral evidence of CHRs. For example, in many Aboriginal communities, an important means of maintaining knowledge of cultural heritage resources is through oral tradition.

If the answer is "yes" to any question in Step 2, an evaluation of cultural heritage value is required. If cultural heritage resources are identified, proceed to Step 3.

If the answer to any question in Step 1 or to questions 2-4, 6-8 in Step 2, is "unknown", further research is required.

If the answer is "yes" to any of the questions in Step 3, a heritage impact assessment is required.

If uncertainty exists at any point, the services of a qualified person should be retained to assist in completing this checklist. All cultural heritage evaluation reports and heritage impact assessment reports must be prepared by a qualified person. Qualified persons means individuals (professional engineers, architects, archaeologists, etc.) having relevant, recent experience in the identification and conservation of cultural heritage resources. Appropriate evaluation involves gathering and recording information about the property sufficient to understand and substantiate its heritage value; determining cultural heritage value or interest based on the advice of qualified persons and with appropriate community input. If the property meets the criteria in Ontario Regulation 9/06 under the Ontario Heritage Act, it is a cultural heritage resource.

† The 40 year old threshold is an indicator of potential when conducting a preliminary survey for identification of cultural heritage resources. While the presence of a built feature that is 40 or more years old does not automatically signify cultural heritage value, it does make it more likely that the property could have cultural heritage value or interest. Similarly, if all the built features on a property are less than 40 years old, this does not automatically mean the property has no cultural heritage value. Note that age is not a criterion for designation under the *Ontario Heritage Act*.

Step 3 – Screening for Potential Impacts	
YES NO	Will the proposed undertaking/project involve or result in any of the following potential impacts to the subject property or an adjacent* property?
<input type="checkbox"/> <input type="checkbox"/>	Destruction, removal or relocation of any, or part of any, heritage attribute or feature.
<input type="checkbox"/> <input type="checkbox"/>	Alteration (which means a change in any manner and includes restoration, renovation, repair or disturbance).
<input type="checkbox"/> <input type="checkbox"/>	Shadows created that alter the appearance of a heritage attribute or change the exposure or visibility of a natural feature or plantings, such as a garden.
<input type="checkbox"/> <input type="checkbox"/>	Isolation of a heritage attribute from its surrounding environment, context or a significant relationship.
<input type="checkbox"/> <input type="checkbox"/>	Direct or indirect obstruction of significant views or vistas from, within, or to a built or natural heritage feature.
<input type="checkbox"/> <input type="checkbox"/>	A change in land use such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces.
<input type="checkbox"/> <input type="checkbox"/>	Soil disturbance such as a change in grade, or an alteration of the drainage pattern, or excavation, etc.

* For the purposes of evaluating potential impacts of development and site alteration "adjacent" means: contiguous properties as well as properties that are separated from a heritage property by narrow strip of land used as a public or private road, highway, street, lane, trail, right-of way, walkway, green space, park, and/or easement or as otherwise defined in the municipal official plan.

Appendix H – Transport Canada Navigable Waters Protection Act Request for Work Approval Application Guide and Form



Introduction

The ***Navigable Waters Protection Act (Act)*** protects the public right to boat freely on waterways in Canada. The Act and its regulations:

- Require the pre-approval of structures (known as ***works***) to be placed in, on, over, under, through, or across any navigable waters; and
- Provide a legal framework for dealing with obstacles and obstructions to navigation.

The Act was updated on March 12, 2009. You can find the Act and its regulations online at: <http://laws.justice.gc.ca/en/N-22/>

Transport Canada's (TC) **Marine Safety, Navigable Waters Protection Program** works to:

- Protect the public right of navigation
- Ensure safety for the shared use of Canada's waterways; and
- Consider any impacts proposed works might have on the environment.

Navigable Waterways are any natural or man-made bodies of water (rivers, lakes, canals, etc.) that can be used by vessels to work, move freight, travel or enjoy pleasure activities – even if they were created for purposes other than navigation.

Get the Facts

What is a Minor Water?

Before starting construction, repairs or changes, owners should find out if their work is on a minor water or a navigable waterway. To determine if the waterway is minor you may refer to the *Minor Works and Waters (Navigable Waters Protection Act) Order* at <http://www.tc.gc.ca/marinesafety/oep/nwpp/minorworks/menu.htm>.

What is a work?

A work includes:

- Any man-made structure, device or thing, temporary or permanent, that may limit or prevent boating; and
- Any fill dumped into, or materials being dug from, the bed of navigable water that may limit or prevent boating.

What is a minor work?

Some works, called minor works, that **will not limit or prevent boating**, do not require TC approval. However, they must be placed, built and maintained according to the Minor Works and Waters (NWPA) Order. If they aren't, owners may be fined.

Minor works include:

- Winter Crossings
- Water Intakes
- Pipeline Crossings
- Docks & Boathouses
- Submarine (underwater) Cables
- Aerial Cables
- Erosion Protection Works
- Dredging



Transport
Canada

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Canada



Get Your Project Approved

All works, except those listed as minor works under the *Order*, must be approved by Transport Canada. TC approval is proof that your planned work will not limit or prevent boating.

Contact TC for approval **well before your desired start date**. This will give us time to review your project and respond.

Remember: You must request and get any local building or other permits you may need **before** you begin your work.

Approval process

Step One: Apply.

1. Prepare a letter or application form that includes the information set out in Table 1, below;
2. Include a map and directions indicating the exact location of the worksite;
3. Include onsite, upstream and downstream photos of the waterway.
4. Mail your letter and supporting documents to:

Transport Canada, Navigable Waters Protection Office
100 Front Street South,
Sarnia, Ontario N7T 2M4



Table 1 - Information and Application Requirements

Please provide as much of the following information as possible as missing information may delay your review. Pay particular attention to the mandatory information listed in Section D - Summary of Supporting Documents.

Application Section A:	<ul style="list-style-type: none"> • Your name and address, phone, number, fax and email address. • Contractor/consultant/agent (if any) address, phone, number, fax and email addresses
Application Section B Work Site Location and Description:	<ul style="list-style-type: none"> • Legal site description (lot, concession, county/township or city/town, etc) and 911 address (if any). • Name of the owner(s) of property immediately upland to the work site (note that you may require written consent to do the work). • <u>Six copies</u> of a key map showing the exact location of the work site. • <u>One copy</u> of written directions to the site. • The latitude and longitude of the work site, if known. • Legal and/or local name of waterway. • Photos taken at, upstream and downstream of the work site. • Canadian Hydrographic Service (CHS) navigation chart number (if known). • National Traffic System (NTS) topographic map numbers (if known). • A photocopy of your water lot lease or permit. • The ordinary high water mark, the normal summer water elevation or chart datum at the work site (if known). • Average width and depth of the waterway at the work site. • Known boating uses of the waterway, i.e. traveling, moving freight, work or pleasure.
Application Section C Description of Work:	<ul style="list-style-type: none"> • A detailed description of the work, including: <ul style="list-style-type: none"> ○ method of construction; ○ equipment and material used; ○ operating plans; ○ debris management plans; and ○ any temporary works (berm, cofferdam, road, signage, portage, etc) required for the project. • <u>Six copies</u> of drawings of the work (top-down plan view and side-on profile view) including: <ul style="list-style-type: none"> ○ structure dimensions; ○ shoreline shape; ○ water depths; and ○ near by structures. • Any Environmental Assessment documents and information you have. • Your proposed building or project schedule (with start and end dates). • Status of the work at the time of application (existing, proposed, rebuilding, repairs, etc). • Original date the existing work was constructed, if this is a repair or rebuild, and the date of any previous approvals. • Name of any other agencies you have submitted these plans to.
NOTE	Transport Canada must receive at minimum the following information to process your application. Missing information may lead to delays.

(Continued)



Table 1 - Information and Application Requirements

<p>Application Section D</p> <p>Summary of Supporting Documents:</p>	<ul style="list-style-type: none">❑ Your name, address, phone, number, fax and email address.❑ If an agency is acting on your behalf, provide Agency Applicant and name, address, phone, number, fax and email address.❑ Legal site description (lot, concession, county/township or city/town, etc). If the work site has been assigned a 911 address, provide this as well.❑ <u>Six copies</u> of a key map showing the exact location of the work site.❑ A photocopy of your water lot lease or permit.❑ Photos taken at, upstream and downstream of the work site.❑ The ordinary high water mark, the normal summer water elevation or chart datum at the work site.❑ A detailed description of the work, including method of construction, equipment and material used, operating plans, debris management plans and any temporary works (berm, cofferdam, road, signage, portage, etc) required for the project.❑ <u>Six copies</u> of drawings of the work (top-down plan view and side-on profile view) including structure dimensions, shoreline shape, water depths and near by structures.
--	---



Step Two: Wait for a response.

Transport Canada reviews proposed works based on information you provide, on-site assessment of the waterway and potential impacts to navigation. Once its review is complete, TC may issue an approval if the impacts to navigation can be lessened. The approval may include conditions you must meet.

The complete Transport Canada review can take some time because you may be asked to:

- Provide more information;
- Meet a Transport Canada official on site;
- Deposit plans after confirmation to proceed,
- Notify the public of the proposed work and allow one month for comments, and
- Support an environmental assessment of the work as per the under *Canadian Environmental Assessment Act (CEAA)*.

Step Three: Receive a response.

If / When you receive an Approval Document, you must:

- Read it carefully. It may include conditions that you must meet or time limits you must respect.
- Keep a copy of the Approval Document on the work site at all times.
- Meet all conditions of approval.
- Expect a TC official inspect your site to make sure you are meeting all conditions of approval.
- Write to TC when your work is done.



Table 2 – The Approval Process – Step by Step

1. Verify if the waterway is subject to the *Minor Works and Waters (Navigable Waters Protection Act) Order* or is a navigable waterway.
 2. Verify if the work is subject to the *Minor Works and Waters (Navigable Waters Protection Act) Order* or is subject to application and review under the Act.
 3. Complete and sign the application form and send it to Transport Canada with supporting documents listed in Table 1 (above) to the following address:

Transport Canada, Navigable Waters Protection Office
100 Front Street South, Sarnia, Ontario N7T 2M4
- Include six copies of the drawings and key map showing location of the work site.
4. Be prepared to attend an on-site meeting with Transport Canada officials, or if asked, to provide more information.
 5. If notified by Transport Canada, deposit one set of drawings and the supporting documents at the nearest Land Registry or Land Titles Office. Have one set of drawings certified by the Registrar and return it to Transport Canada with the Registrar's certificate, signature and deposit number.
 6. If notified by Transport Canada, advertise your work project in the legal section, if possible. We will send you a sample ad, complete instructions and a blank Statutory Declaration of Advertising. When you have advertised your project:
 - Have the "Statutory Declaration of Advertising" witnessed by a Commissioner of Oaths and return it to Transport Canada with 1 copy of the advertisements.
 - Allow one month for comments from the public before starting to build.
- NOTE: The advertising process may have to be repeated if done too soon, if information is missing or if project plans change.**
7. If asked, provide Transport Canada with any additional information needed for the environmental assessment.
 8. When you receive your Approval from Transport Canada, read it carefully and note any conditions of approval. Also, look for any time limits for starting and completing the work as well as how long the Approval Document is valid.
 9. Build your work, fulfilling all conditions of the Approval Document. Keep a copy of the Approval on the work site at all times during construction. Transport Canada officials may conduct on-site inspection(s) to ensure conditions are being met.
 10. Notify Transport Canada in writing when the work is completed.
 11. TC officials may inspect your finished work to make sure that it is built according to plan and meets the conditions of approval. **You** must:
 - Meet all conditions of approval;
 - Take any measures required by the environmental assessment.
 - Make sure to keep the work up to the standard of its approved plans.

Notes: You are responsible to:

- a. Complete the work according to plans approved by Transport Canada;
- b. Fulfill conditions of approval, as set out in the Approval Document issued by Transport Canada;
- c. Implement any environmental protection measures identified under *Canadian Environmental Assessment Act*.

NOTE: This guide explains the Navigable Waters Protection Act application and approval process. If anything in this Guide differs from the Act, comply with the Act.



NAVIGABLE WATERS PROTECTION ACT REQUEST FOR WORK APPROVAL

File no. (if known):

This is my first request for Transport Canada to review this project.

Yes

No

Failure to complete all the requested sections of this form and to provide mandatory documentation will result in your application being returned. (*) Indicates a mandatory field.

WARNING to all applicants and agents – any false or misleading statement on this form or relating to any document in support of this application, including concealment of any material fact, may lead to refusal to issue an Approval or suspension or cancellation of an Approval and be grounds for criminal prosecution.

NOTE: Prior to completing this form, self-assess your project against the *Minor Works and Waters (Navigable Waters Protection Act) Order* to determine if an application is required. <http://canadagazette.gc.ca/rp-pr/p1/2009/2009-05-09/html/notice-avis-eng.html#d103>

I am the upland property owner * Yes No

Will your work be located 30m or less from shore? Yes No If yes, an affidavit from upland property owner is required (see guide for details)

OWNER CONTACT INFORMATION

Full name/company *		Contact name
Address *		
City/Town *	Province/Territory *	Postal code *
Telephone no. (primary) *	Telephone no. (other)	E-mail

AGENT (contractor/consultant/representative if any)

Name		Contact name
Address		
City/Town	Province/Territory	Postal code
Telephone no. (primary)	Telephone no. (other)	E-mail

WORK SITE LOCATION

Municipality/District/County *	Province/Territory *
Site description * "(lot, concession, section, county/township, range, city/town, meridian, 911 address etc.)"	
Coordinates	
Work site: Latitude _____ ° _____ ' _____ " N	Longitude _____ ° _____ ' _____ " W
Source of coordinates: <input type="checkbox"/> Topo(s) <input type="checkbox"/> Chart(s) <input type="checkbox"/> GPS <input type="checkbox"/> Other (describe): _____	
Chart Number	Topographical Map Number

Official and/or local name of waterway *			
Description of waterway details (width, depth, etc.) and known waterway use *			
Vessel type(s)		Maximum vessel size Length _____ Width _____ Draft _____	
Day/Night use <input type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> Both	Amount of vessel traffic <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Navigation Season <input type="checkbox"/> Winter <input type="checkbox"/> Spring <input type="checkbox"/> Summer <input type="checkbox"/> Fall	
BASIC PROJECT DESCRIPTION (for large and more complex projects, detailed information may be required as an annex to your application)			
Type of work (bridge, boom, dam, marina, etc.) *			
Brief description of your project, including how you are going to build or place the work (or attach) *			
Proposed start date (dd-mm-yyyy) *	Proposed end date (dd-mm-yyyy) *	Date of original construction (dd-mm-yyyy)	Date of original NWPA Approval (dd-mm-yyyy)
DOCUMENTATION REQUIREMENTS			
Mandatory Documentation ¹ (incomplete applications will be returned)		Recommended Documentation (may expedite review)	
<input type="checkbox"/> The completed signed application form <input type="checkbox"/> Map and/or chart to show location of the project <input type="checkbox"/> Detailed Top/Plan view of the project (with dimensions) <input type="checkbox"/> Detailed Side/Profile view of the project (with dimensions)		<input type="checkbox"/> Photographs of work site <input type="checkbox"/> Environmental Assessment documents (if any) <input type="checkbox"/> Aboriginal consultation results (if any) <input type="checkbox"/> Executive summary of large project description <input type="checkbox"/> Water lot lease information <input type="checkbox"/> Other agency submissions prepared/received	
¹ See NWPP website for more information www.tc.gc.ca/navigablewaters-eauxnavigables			
SUBMISSION REQUIREMENTS			
<ul style="list-style-type: none"> • All plans and drawings must be legible when printed on 11" x 17" paper • For email submissions: Provide a scan of all Supporting Documentation • For hard copy submissions: Provide Supporting Documentation along with six(6) copies of each map, plan and profile drawing printed on 11" x 17" paper. • Application package should be sent to appropriate regional NWPP office 			
AUTHORIZATION OF AGENT BY OWNER			
I hereby authorize _____, located at _____ to act on my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this application.			
I hereby certify that the information contained herein is complete, true and accurate to the best of my knowledge and that I am authorized to submit this application.			
Signature *		Date (dd-mm-yyyy) *:	
_____		_____	
For office use		Date stamp:	

The personal information provided on this form is collected under the authority of *Navigable Waters Protection Act*, sections 4, 5, 6, 8, 10 and 11. This information is required for the purpose of processing applications made under the above-noted sections for proposed, commenced or existing works that are or will be built or placed in, on, over, under, through or across any navigable water in Canada. The personal information collected is described in a personal information bank entitled Navigable Waters Protection Program (bank number TC PPU 086). Under the provisions of the *Privacy Act*, individuals have the right of access to, correction of and protection of their personal information. Instructions for obtaining personal information are provided in Info Source, a copy of which is available in major public and academic libraries or online at <http://www.infosource.gc.ca>

¹ Not all regions accept e-mail applications, please refer to the next page of this form for details.

CONTACT INFORMATION

OFFICES CURRENTLY ACCEPTING E-MAIL AND/OR HARD COPY SUBMISSION OF APPLICATION		
Atlantic Region	Quebec Region	Pacific Region
Transport Canada Queen Square P.O. Box 1013 45 Alderney Drive, 14 th Floor Dartmouth NS B2Y 4K2 Tel: 902-426-2726 E-mail: NWPDAR@tc.gc.ca	Transport Canada 1550 d'Estimauville Ave; 4 th Floor Quebec QC G1J 0C8 Tel: 418-648-4549 E-mail: pen-nwp-quebec@tc.gc.ca	Transport Canada Pacific Regional Office 820-800 Burrard Street Vancouver BC V6Z 2J8 Tel: 604-775-8867 E-mail: PacNWP-PENPac@tc.gc.ca
OFFICES CURRENTLY ACCEPTING ONLY HARD COPY SUBMISSION OF APPLICATION		
Ontario Region	Prairie and Northern Region	
Transport Canada, Marine Office 100 S Front Street, 1 st Floor Sarnia ON N7T 2M4 Tel: 519-383-1863	Transport Canada Canada Place 1100-9700 Jasper Avenue Edmonton AB T5J 4E6 Tel: 780-495-8215	