

HERITAGE ASSESSMENT REPORT

**Cultural Heritage Evaluation for Woolwich Bio-en Inc.
Part Lot 89, G.C.T. , Settlement Area of Elmira
Township of Woolwich
Region of Waterloo**

Required under:

**Environmental Protection Act
Ontario Regulation 359/09, Section 23
Renewable Energy Approvals under Part V.0.1. of the Act**

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EXECUTIVE SUMMARY

The purpose of this cultural heritage evaluation was to conduct an investigation into the cultural heritage value of the project lands and the adjacent properties. The project lands are the proposed Woolwich Bio-en Inc. development located in Part Lot 89, German Company Tract (G.C.T.), Settlement Area of Elmira, Township of Woolwich, Region of Waterloo (Figure 1).

Had significant heritage resources been identified, a full Heritage Impact Assessment would have been recommended for the Bio-en Inc. development project. However, the results of this research indicated that there was no significant built heritage or cultural heritage landscapes within the study area that would be negatively impacted by the proposed development. Based on the results of this investigation, it has been recommended that additional research, in the form of an Heritage Impact Assessment, not be required.

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1. Introduction

Alder Heritage Assessments has been retained by Marbro Capital Limited to conduct an evaluation of the cultural heritage value of the Woolwich Bio-en Inc. project lands and the adjacent properties. The project lands are located in Part Lot 89, German Company Tract (G.C.T.), Settlement Area of Elmira, Township of Woolwich, Region of Waterloo (Figure 1). The FIT contract number for this project is : F-000682-BIG-130-203. Should significant heritage resources be identified during this evaluation, a full Heritage Impact Assessment will be required for the Bio-en Inc. development project.

The Woolwich Bio-en Inc. development project is a renewable energy facility. Its purpose is to recycle organic waste into a useable energy source. The proposed facility will be used to generate heat and electricity from the production of bio-gas. The organic raw materials used to produce the bio-gas will consist mostly of food waste, plant material and manure. As the organic waste decomposes it produces methane gas. The methane gas will then be converted into heat and electricity. The proposed Bio-en facility will include two buildings, operations and processing. There will also be three pre-treatment tanks including two main digester tanks and one storage tank. The proposed Site Plan for this facility can be seen in Figure 2.

The following Cultural Heritage Evaluation was conducted under the Environmental Protection Act, Ontario Regulation 359/09, Section 23, Renewable Energy Approvals under Part V.0.1. of the Act.

Section 23 of the Renewable Energy Approvals (REA), deals with a “Heritage Assessment” of the proposed Bio-en Inc. development project. It is concerned with identifying any heritage resources within or adjacent to the project lands that may be impacted by the proposed development.

(Note: Section 22 of the REA required that an Archaeological Assessment be undertaken for the Bio-en Inc. project lands. This study was completed by Alder Heritage Assessments and approved in 2009. The results indicated that there were no archaeological resources present on the property and that the property was of no further archaeological concern. MTC staff reviewed the report and provided a clearance letter indicating that the archaeological requirement as set out in Section 22 of the REA had been satisfied.)

(Note: Section 19, of the REA deals with Protected Properties. This regulation requires consideration of whether a proposed renewable energy project is located on a property that has been recognized as a site of cultural heritage value or interest under the Ontario Heritage Act. Research indicated that there were no sites of cultural heritage value or interest present on the project lands. Based on the research conducted, it was determined that the Bio-en Inc. project lands are not on a protected property as described under Section 19. Refer to the accompanying letter in Appendix 2 for an explanation of compliance with the requirements of Section 19.)

To assist in this process the Ministry of Tourism and Culture (MTC), has developed a set of criteria to screen for impacts to built heritage and cultural heritage landscapes. The MTC has developed a screening check list consisting of three steps. This report is a summary of these 3 steps and the findings as they relate to the Bio-en Inc. project lands and adjacent lands (see Appendix 1). The Bio-en Inc. project lands and adjacent lands will be referred to as the “study area”.

2. Archaeological Research

As indicated in the introduction, an archaeological assessment of the project lands was completed in 2009. No cultural remains were recovered during the archaeological field survey. There are five registered archaeological sites within a five kilometre radius of the project lands. All of these sites are of native origin, dating from the Early Archaic Period through to the Woodland Period. These sites include find spots, a lithic scatter and a possible camp site. They were all located near small creeks or on a height of land overlooking a creek or low wet area. To date there have been no substantial native settlements located in the Elmira area. Current evidence indicates that this area was used for transitory hunting/gathering purposes rather than settlement, most likely during seasonal migrations. *(Note: During a previous archaeological survey undertaken by Alder Heritage Assessments, some interesting information was gathered. It came to light while interviewing a very elderly Mennonite farmer, Mr. Emmanuel Reist. The Reist family was the first to settle on the farm parcel in the mid 1800s. The parcel was located at the south end of Elmira and had a small creek passing through it. Mr. Reist remembered his grandfather telling him about the Indians who camped around there back in the 1800s when he first started farming the land. An Early Archaic projectile point as well as a Middle Woodland pottery sherd were recovered from the lands adjacent to the creek. This may indicate that passing through the Elmira area was part of a cyclical migration that may have gone on for thousands of years.)*

3. Historical Research

The first settlers of Waterloo Region were predominantly German, Scottish and English immigrants. In the early 1800s small villages began to form at the intersections of wagon tracks or where water resources such as rivers or creeks made it possible to construct grist or saw mills. These villages provided services for area farmers and markets for their products (Janusas 1988). The majority of the early settlers in the Elmira area were Mennonites of German descent. When they first arrived from Germany in the early 1700s, they settled in the United States in the State of Pennsylvania. Following the outbreak of the American Revolution many migrated to Canada and came to this area around 1799. Their descendants have become known as the Pennsylvania Dutch (Parsell & Co. 1881-1887).

The Elmira area is contained in Block Three of the land granted to the Six Nations Iroquois by the British Government in October of 1784, at the close of the American Revolution. Joseph Brant, a Mohawk war chief, was granted power of attorney by the Six Nations Iroquois chiefs, to sell or lease portions of the reserve to white immigrants (Johnston 1964). Block Three was sold to William Wallace, a Niagara man. In 1807 Wallace sold the land to Augustus Jones and John and

Paul Erb who proceeded to divide it into parcels under the German Company Tract (Boshart 1965), (Parsell & Co. 1881-1887). The parcels of land were then available for sale or lease to individual settlers. At that time pioneers paid \$3.00 per acre for the land (Boshart 1965).

The settlement of the Township of Woolwich commenced in 1810 with a squatter named Thomas Smith. George Eby arrived in 1813, followed by David Cress and a number of additional settlers a couple of years later. The first mill in the township was established about 30 years later in Conestogo (Parsell & Co. 1881-1887).

Elmira was first settled by Edward and John Bristow who built the first house around 1840. They were followed by a number of other settlers including George Streetor and Thomas Walker, before the influx of German Mennonite settlers in 1850 (Parsell & Co. 1881-1887). The name Elmira was given to the settlement in 1853. It was incorporated as a village in 1886 and later incorporated as a town in 1923 (Van Dorp 1962).

The Tremaine 1861 historical atlas map shows the project lands as belonging to Charles Klinck. He owned a rectangular parcel of land with a house/farmstead located near Arthur Street, west of the project lands. There were no buildings depicted in the location of the study area at that time. Similarly, the Parsell & Co. 1881-1887 map does not show any buildings located within the study area in 1881-1887. This map shows that the project lands and adjacent lands to the north, west and south were contained in parcel 89 of the German Company Tract. The adjacent lands to the east were in parcel 80 of the G.C.T. Evidence indicates that the house/ farmstead belonging to Charles Klinck fronted onto Arthur Street and much of the study area lands were the associated farm fields. The remainder of the study area lands were also farm fields at that time, belonging to the adjacent farm parcels. The project lands continue to be in agricultural use today.

4. Screening for Impacts to Built Heritage and Cultural Heritage Landscapes

The MTC has developed a screening check list consisting of three steps (see Appendix 1). The checklist is intended to assist in determining whether a project could affect known or potential cultural heritage resources. The following is a summary of the 3 steps as presented in the MTC screening check list and the findings as they relate to the Bio-en Inc. study area.

5. Step 1 - Screening for Recognized Heritage Value

Step 1 is basically concerned with properties that have already been recognized and documented as heritage resources. They have either been designated under the Ontario Heritage Act or are on a municipal or provincial heritage register.

To determine if there were any recognized cultural heritage resources in the study area, municipal staff were contacted. Jeremy Vink, senior planner for the Township of Woolwich, indicated that there were no designated heritage buildings or features on or adjacent to the project lands. Further research was undertaken into a number of heritage data bases revealing that there

was one house formerly Bristow's Inn, and one bridge (Chambers Bridge) listed in the heritage register for Woolwich Township. Both are at quite some distance from the study area and were therefore not significant to this heritage evaluation. As a result of these findings all questions listed under Step 1 were answered with a "no" indicating that a Heritage Impact Assessment is not required under the criteria laid out in Step 1(see Appendix 1).

6. Step 2 - Screening Potential Resources

Step 2 is composed of two sections. The first section is entitled "Built Heritage Resources". It is concerned with identifying any existing structures, engineering works, monuments or landmark features that may have heritage significance within the study area. It also looks at possible associations with a known architect or builder and associations with a person or event of historic interest. The second section of Step 2 is entitled "Cultural Heritage Landscapes". It looks at human-made landscape features as well as prominent natural features that could have special value to people.

6.1 Built Heritage Resources

Under the first section on "Built Heritage Resources", the answer to question number 1 "Does the property or an adjacent property contain any buildings or structures over 40 years old that are industrial buildings?", was yes (see Appendix 1). This question raised a concern about the two adjacent properties to the west and southwest of the Bio-en Inc. project lands. The Bio-en Inc. property itself is located in a farm field. Other than a small metal storage shed of modern construction, there are no structures on the property. However there are industrial buildings on the adjacent properties to the west and southwest (Figure 1). A visual inspection and interviews with owners and staff were used to gather information about these structures.

The property to the west of the project lands is owned by Elmira Machine Industries Inc. located at 20 Martin Lane (Figure 1). It is a metal fabricating industrial operation and storage facility. During discussions with the staff about the origin of the building they were able to locate the original legal certificate of approval for the business. It was signed in Toronto and dated May 1959. The company was then called Link Belt Ltd. and was used as a foundry storage for patterns (metal moulds). The company has changed names but has always been involved with metal working and storage. The original structure was a cinder block building which is still in use. There have been additions made to the cinder block building and a couple of other newer buildings were built about five years ago. The parking lot has been expanded and graded to cover most of the property. Based on the age of the buildings, along with the modernizations and add-ons to this metal working business, it has been determined that the property does not represent a significant built heritage resource.

The structures to the southwest are part of the Martin's Feed Mill industrial operation, located at 35 Martin Lane (Figure 1). This is a large pet food production plant composed mainly of two clusters of buildings. The cluster of buildings adjacent to Martin Lane to the southwest of the Bio-en Inc. project lands, was built in the 1970s. This is a busy modern-looking petfood production

plant. There is a second cluster of buildings belonging to this production plant. They are located over 100 metres to the west of the 1970s structures. This cluster fronts onto Arthur Street. In one of the offices there is a picture of the original mill framed and hanging on the wall. The accompanying article indicates that the mill was completed and open for business in 1945. Eli Martin built this first mill, and his surviving son remembers that the construction commenced around 1943. The mill was built in a formerly swampy area of the agricultural field. A visual inspection of the 1945 buildings revealed a brick exterior with wooden floors and machine cut wooden beams on the main floor and the upstairs level. The basement has a concrete floor and large concrete support pillars. This front cluster of buildings is used for grinding and mixing grains and added supplements for the pet food. The 1970s building cluster is used for adding liquid to this dry mix to produce the batter which is then extruded into the petfood shapes. Both clusters of buildings have been modernized several times and there have been numerous add-ons over the years. Based on these findings, it has been determined that this property does not represent a significant built heritage resource.

After a thorough investigation it has been determined that both of the industrial properties investigated do not represent significant built heritage resources. Therefore no built heritage resources as described in Step 2, question 1 will be impacted by the proposed Bio-en Inc. development.

6.2 Cultural Heritage Landscapes

Under the second section on “Cultural Heritage Landscapes”, the answer to the last point in question number 4 “Is there evidence of other human-made alterations to the natural landscape, such as trails?”, was yes (see Appendix 1). Due to the L-shaped nature of the Bio-en Inc. project lands, the eastern third of the southern property boundary is adjacent to a former Canadian Pacific Railway line (Figure 1). The railway tracks have been removed leaving a nature trail used for recreational activities including hiking, cycling and cross-country skiing. The trail is called the Kissing Bridge Trail. It is also a section of the Trans Canada Trail system. The trail has not been designated or plaqued as a heritage feature.

The 45 km. Kissing Bridge Trail runs from Guelph to Millbank following the abandoned Canadian Pacific Railway line. This section of the trail was purchased by the Province in 1990 and subsequently leased by the Region of Waterloo in 1997, as a rails to trails conversion project. The eastern 29 km of the trail passing through Woolwich Township and Guelph was officially opened as a section of the Trans Canada Trail in August 2000.

The project lands are separated from the trail by a steep, vegetation lined embankment which blocks the view of the proposed Bio-en Inc. development. The lands to the south of the trail are in woodlot, opening up to farm fields further south. When approaching the study area from the east the proposed development site is not visible. At the junction of the intermittent stream and the trail facing west towards the proposed development site, one can see a steep rise in topography in the farm field. The Bio-en Inc. development site lies on the west side of this large hill (Figure 2). The building site is not visible from the trail and it is unlikely that the completed facility will be visible. If it is visible it would only be the tops of the tanks that could possibly be seen from the

trail. Therefore there will be no negative visual impact affecting the landscapes surrounding the trail from the Bio-en Inc. development.

As can be seen in Figure 2, the trail is located at quite some distance from the proposed development site. In addition, there are no sight lines to or from the trail to the proposed development site. Therefore it has been determined that the project lands are not a contributing part of the landscape surrounding the trail.

Historically, from the late 1800s, Elmira was served by both the Grand Trunk Railway and the Canadian Pacific Railway. The Grand Trunk Railway arrived in Waterloo County during the mid-1850s. However, Woolwich Township was not included along any railway connection until 1891 when a branch of the Grand Trunk was laid from Waterloo to St. Jacobs and Elmira. In 1907, it was also a connection on the Canadian Pacific line running east and west through the township (now the Kissing Bridge Trail). The Canadian Pacific Railway line from Guelph to Millbank was completed in August of 1906. By the time these railways were laid, the boom of the early railway days had long since past. For this reason, comparable industrial development to Waterloo Township or North Dumfries Township was never attained in Woolwich Township. Therefore it is not surprising that the economic basis of Woolwich Township remained primarily agricultural in nature. However, despite being bypassed by the railway boom and large scale county industrialization, Woolwich remained an important farming centre within Waterloo County. The presence of the Old Order Mennonites and other conservative Mennonite groups endured in Woolwich, creating a unique rural character for which the township is still renowned (trainweb.org/oldtimetrains; and region.waterloo.on.ca/web/Region).

When evaluating the Kissing Bridge Trail under the Ontario Heritage Act, O. Reg. 9/06, it was found that the trail was not representative of a significant heritage property. As can be seen from the above history of the Canadian Pacific Railway, its arrival did not result in a significant change to the established agricultural lifestyle of the community. The railway line was a typical example of the way railways that had been built for many years. The cross country route that it took through the abundance of rolling countryside and agricultural lands was very typical to the area. There were no rare or unique features about this line to make it stand out from the others in any historically significant way and it does not appear to have had a significant impact on the community or the character of the area.

When examining the criteria in the 3 categories of O. Reg. 9/06, s. 1 (2), it was found that the trail did not fit into the criteria necessary to be considered to be of cultural heritage value or interest. For example, under the criteria set out in the first category referring to **design value or physical value**, the trail does not show the required attributes of being rare, unique, representative or an early example of a style, type expression, material or construction method, as listed in the Act. It is not the first or the last railway to be built using standard construction techniques and the terrain presented no obstacles to overcome that would require technical innovations. The second category is concerned with the **historical or associative value** of the trail, including such things as a theme, event, belief, person, activity, organization or institution that is significant to a community. Based on the historical research, it can be seen that the trail does not fit into this set of criteria. The Canadian Pacific Railway did not arrive soon enough for the Elmira area to benefit

from the railway boom. As a result, the economic basis of Woolwich Township remained primarily agricultural and there was no dramatic jump in population. The railway did not significantly change the community. It does not yield significant information that contributes to an understanding of the community or culture. The third category deals with a property having **contextual value**. Contextual value refers to whether the trail is important to defining, maintaining or supporting the character of the area. If it is physically, functionally, visually or historically linked to its surroundings or if it is a landmark. As mentioned above, the arrival of the railway did not significantly alter the lifestyle of the community. It does not define the character of the area and is not considered as a landmark feature of the area.

Based on the historical research it has been determined that the former Canadian Pacific Railway line, now the Kissing Bridge Trail, does not meet the criteria of being a property of cultural heritage value or interest as defined in the Ontario Heritage Act under O. Reg. 9/06. It has been determined that the landscape is not of cultural heritage significance. Therefore no cultural heritage landscapes will be impacted as described in question number 4.

There was a second question of interest in Step 2 under the second section on “Cultural Heritage Landscapes”. The answer to question number 5 “Is it within a Canadian Heritage River watershed?”, was yes (see Appendix 1). The study area is located within the Grand River watershed. The Grand was designated a Canadian Heritage River in 1994.

The project lands do not contain any water features. There is an intermittent stream passing approximately 55 metres north of the northeast corner of the project lands. This stream drains into Canagagigue Creek to the southeast. The northwest corner of the project lands is approximately 300 metres from Canagagigue Creek to the northwest (Figure 1). Canagagigue Creek flows to the southeast and drains into the Grand River. The Bio-en Inc. development will be situated at the western end of the approximately 20 acre project lands parcel (Figure 2). The intermittent stream is located at the opposite end of the property and, with the existing trees and vegetation, is not visible from the proposed Bio-en Inc. development site. The stream does flow through the northeast end of the adjacent parcel of land to the north of the project lands. However again it is at some distance from the development site and contains no cultural heritage resources in its' vicinity. Canagagigue Creek is located across Arthur Street to the west and there are no sight lines to or from the creek to the study area. Therefore it has been determined that no cultural heritage landscapes will be impacted within the Grand River watershed by the proposed Bio-en Inc. development.

6.3 Step 2 Summary

In summary, the Bio-en Inc. project lands started out historically as a farm parcel located in Part Lot 89, of the German Company Tract in Woolwich Township. The Bio-en Inc. lands and the adjacent parcels were used as farm fields. Currently the lands to the north and east of the project lands continue to be used as farm fields. There has been industrial development to the west and there is a remaining field and a trail to the south of the project lands.

The project lands are located at some distance from Arthur Street, an historical road allowance, where the original farmstead buildings were built for this parcel of land. The original brick farm house is still in use today. However from a “windshield inspection” it appears that any associated barn or out buildings are no longer present. The house is near Arthur Street and is not located on an adjacent property to this proposed development. Around 1945 the Martin family built a feed mill in the field that fronted onto Arthur Street. An additional cluster of feed mill buildings was constructed to the east of this in the 1970s. Elmira Machine Industries Inc. originally built on their parcel of land in 1959, under the name of Link Belt Ltd. The property had been an open agricultural field prior to building.

There is a nature trail, the Kissing Bridge Trail, on the adjacent lands to the south of the project lands. Due to the distance from the Bio-en Inc. development site and the topography, there are no sight lines to or from the proposed development. Therefore it has been determined that the project lands are not a contributing part of the landscape surrounding the trail. The historical research indicated that the former Canadian Pacific Railway line, now the Kissing Bridge Trail, does not meet the criteria of being a property of cultural heritage value or interest as defined in the Ontario Heritage Act under O. Reg. 9/06. Therefore it has been determined that the landscape is not of cultural heritage significance. Based on these factors it has been determined that the trail will not be negatively impacted by the proposed development.

There are two water features of the Grand River watershed in the general vicinity of the proposed development, the intermittent stream and Canagagigue Creek. These water features are not associated with any significant cultural heritage features or view sheds that would be negatively impacted by the proposed development.

Based on these findings it has been determined that there are no significant Built Heritage Resources or Cultural Heritage Landscapes as listed under Step 2. This would indicate that a Heritage Impact Assessment is not required under the criteria laid out in Step 2.

7. Step 3 - Screening for Potential Impacts

Step 3 is concerned with any potential impacts the proposed development would have on heritage resources located within the study area. Since no significant heritage resources have been identified, this section does not apply (see Appendix 1).

8. Conclusion and Recommendation

The results of this research indicate that no significant built heritage or cultural heritage landscapes have been identified within the study area. Therefore it has been determined that no significant cultural heritage resources will be impacted by the proposed Bio-en Inc. development. Based on the results of this investigation of cultural heritage value, it has been recommended that additional research in the form of an Heritage Impact Assessment not be required.

9. Bibliography

Boshart, R. A. "The Hamlet of St. Jacobs, Ontario." Waterloo Historical Society. Vol. 52, 1964. Published in Kitchener, Ontario. 1965

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Johnston, C. M. The Valley of the Six Nations: A Collection of Documents on the Indian Lands of the Grand River. The Champlain Society, Toronto, Ontario. 1964

Parsell & Co. Historical Atlas of Waterloo & Wellington Counties Ontario. H. Parsell & Co. Toronto, Ontario 1881-1887. Cumming, R. (ed.). Reprint Edition, Richardson, Bond and Wright Ltd., Owen Sound, Ontario. 1972

Tremaine, G. R. Map of Waterloo County, Canada West. On file, Archaeology Section, Planning and Culture Department, Regional Municipality of Waterloo, Kitchener, Ontario. 1861

Van Dorp, B.G.F. "A Survey of the Place Names of Waterloo County." Department of Geography, Course 450 Requirement, University of Western Ontario, London, Ontario. 1962

Interviews:

Earl Brubaker, his recollections and information passed along from contacting the Martin family

Jeremy Vink, Township of Woolwich Senior Planner

Ken Morley, co-owner of Martins Feed Mill and his staff

Staff at Elmira Machine Industries Inc.

Web Sites:

Environmental Protection Act, Ontario Regulation 359/09, Section 23, Renewable Energy Approvals under Part V.0.1. of the Act.

Grand River at www.grandriver.ca/heritage

Kissing Bridge Trailway

Ontario Heritage Act, Reg. 9/06

Ontario Heritage Properties Database

Ontario Heritage Trust

Parks Canada - The Canadian Heritage Rivers System

region.waterloo.on.ca/web/Region - History of Woolwich Township; History of Elmira

Township of Woolwich Trails

trainweb.org/oldtimetrains/CPR

Waterloo Trans Canada Trail

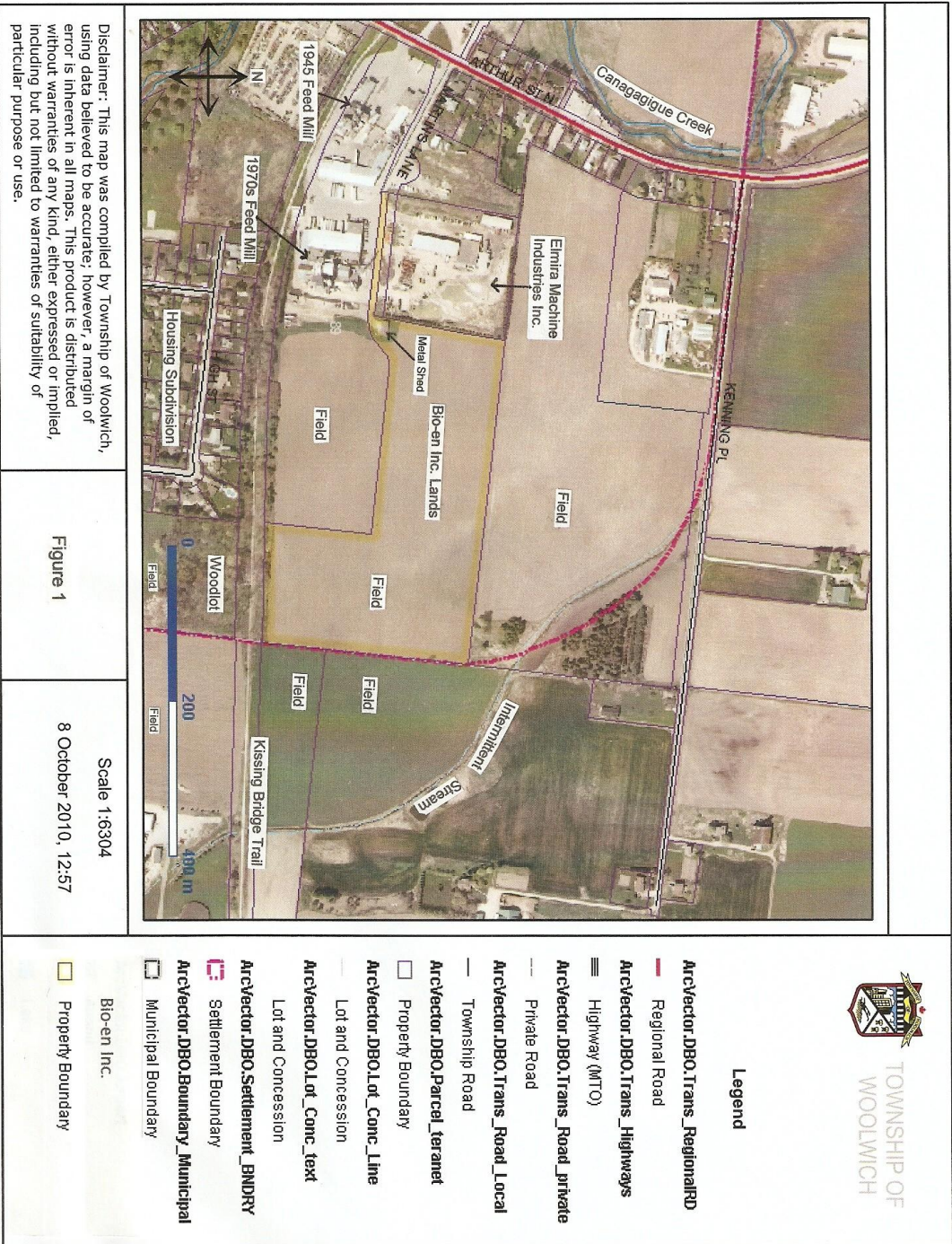


Figure 1 Map of Study Area

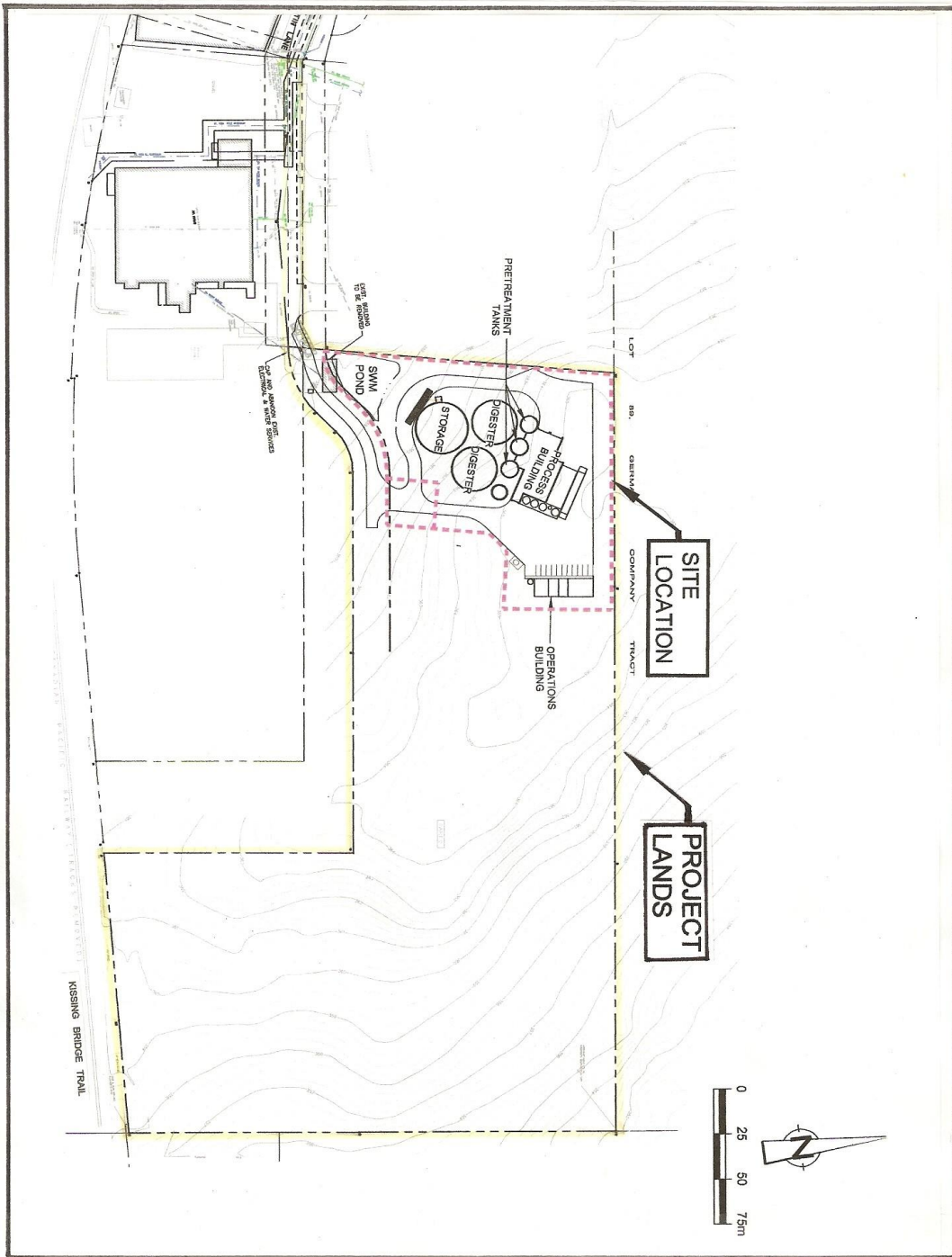


Figure 2 Site Plan of Proposed Bio-en Inc. Development

APPENDIX 1

Ministry of Tourism and Culture Check Sheets for Environmental Assessment

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 checked="" type="checkbox"/>	<input type="checkbox"/>	The presence of cultural heritage resources may be indicated by the following:
<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	2. Is the subject property listed on the municipal heritage register or provincial register? (e.g. Ontario Heritage Bridge List)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Is the subject property within or adjacent to a Heritage Conservation District?
<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	5. Is there a provincial or federal plaque on or near the subject property?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Is the subject property a National Historic Site?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Was the municipality contacted regarding potential cultural heritage value and were any concerns expressed?
Step 2 – Screening Potential Resources			
YES	NO	Unknown	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Built heritage resources
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Does the property or an adjacent property contain any buildings or structures over forty years old[†] that are:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▪ Residential structures (e.g. house, apartment building, shanty or trap line shelter)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	▪ Farm buildings (e.g. barns, outbuildings, silos, windmills)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	▪ Industrial buildings (e.g. factories, complexes)
<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	2. Is the property or an adjacent property associated with a known architect or builder?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Is the subject property or an adjacent property associated with a person or event of historic interest?
YES	NO	Unknown	Cultural heritage landscapes
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Does the property contain landscape features such as:
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	▪ Burial sites and/or cemeteries
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	▪ Parks or gardens
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	▪ Quarries, mining, industrial or farming operations
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	▪ Canals
<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Is it within a Canadian Heritage River watershed?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Is it within the Rideau Canal Corridor UNESCO World Heritage Site?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Does documentation exist to suggest built heritage or cultural heritage landscape potential? (e.g., local histories, a local recognition program, research studies, previous heritage impact assessment reports, etc.)

Note:

If you answer "yes" to any of the questions in Step 1, a heritage impact assessment is required.

If you answer "yes" to any of the questions in Step 2, an evaluation of cultural heritage value is required. If cultural heritage resources are identified, a heritage impact assessment will also be required.

If you answer "unknown" to any of the questions in Step 1 or to questions 2, 3, 5-7 in Step 2, further research is required.

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.

If uncertainty exists, 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, 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 result in any of the following potential impacts to the subject property or an adjacent* property?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Destruction, removal or relocation of any, or part of any, significant heritage attribute or feature.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Alteration that is not sympathetic, or is incompatible, with the historic fabric or appearance.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shadows created that alter the appearance of a heritage attribute or change the visibility of a natural feature or plantings, such as a garden.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Isolation of a heritage attribute from its surrounding environment, context or a significant relationship.
<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	Land disturbances such as a change in grade that alters soils and drainage patterns that adversely affect an archaeological resource.

* 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 2

**Letter Regarding Compliance with EPA,
O. Reg. 359/09, Section 19
“Protected Properties”**

Alder Heritage Assessments

485 Sandbanks Crescent
Waterloo ON N2V 2J3

Phone: (519) 746-7090
E-mail: aha.kw@sympatico.ca

December 8, 2010

Laura Hatcher
Heritage Planner
Ministry of Tourism and Culture
Cultural Heritage Unit
401 Bay Street, Suite 1700
Toronto, ON. M7A 0A7

Dear Ms. Hatcher:

Re: Bio-en Inc. Renewable Energy Development Project
Pt. Lt. 89, G.C.T., Town of Elmira, Township of Woolwich, Region of Waterloo
FIT Contract No.: F-000682-BIG-130-203

This letter pertains to the Environmental Protection Act, Ontario Regulation 359/09, Section 19, of the Renewable Energy Approvals under Part V.0.1. of the Act. Under Section 19, dealing with Protected Properties, it must be determined whether a proposed renewable energy project is on a property described in Column 1 of the Table provided in Section 19. Column 1 of the Table lists properties that have been recognized as sites of cultural heritage value or interest under the Ontario Heritage Act. These properties include the following:

- the subject of an agreement, covenant or easement entered into by the Ontario Heritage Trust or the municipality
- subject of a notice of intention to designate or designated property under municipal by-law or by the Minister of Culture
- a property that is part of a municipally designated heritage conservation district
- a property designated as an historic site by the Minister of Culture

In summary, Protected Properties have been recognized and documented under the Ontario Heritage Act. They have either been designated under the Ontario Heritage Act or are on a municipal or provincial heritage register.

To determine if there were any Protected Properties located within the Bio-en Inc. project lands, municipal staff were contacted and a number of heritage databases were investigated. Jeremy Vink, senior planner for the Township of Woolwich, indicated that there were no designated heritage buildings or features on the project lands. He confirmed that none of the above listed designations pertaining to cultural heritage value or interest applied to the project lands.

Further research was undertaken into a number of heritage databases including the following:

Grand River at www.grandriver.ca/heritage

Kissing Bridge Trailway

Ontario Heritage Properties Database

Ontario Heritage Trust

Parks Canada - The Canadian Heritage Rivers System

Township of Woolwich Trails

Waterloo Trans Canada Trail

Research into these databases indicated that there were no properties of cultural heritage value or interest located within the project lands.

Under O. Reg. 359/09, Section 19 pertaining to Protected Properties as listed in Column 1 of the Table provided, no sites of cultural heritage value or interest were identified. Therefore no sites were found to be the subject of a heritage agreement, covenant or easement, and no sites have been designated or are pending designation under the Ontario Heritage Act. Based on this research it was determined that the Bio-en Inc. project lands are not on a protected property as described in the Table in Section 19.

Sincerely,



Elizabeth Alder, M.A.

MINISTRY OF TOURISM AND CULTURE CLEARANCE LETTER

Ministry of Tourism and Culture
Culture Division
Culture Services Unit
Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON, M7A 0A7
Telephone: 416 314 3108
Facsimile: 416 314 7175
Email : laura.hatcher2@ontario.ca

Ministère du Tourisme et de la Culture
Division de culture
Unité des services culturels
Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto, ON, M7A 0A7
Téléphone: 416 314 3108
Télécopieur: 416 314 7175
Email : laura.hatcher2@ontario.ca



December 20, 2010

Mr. Chuck Martin, President
Woolwich Bio-en Inc.
4 Arthur Street North
Elmira, Ontario
N3B 3A2

RE: **Woolwich Bio-en Inc.**

Part Lot 89, Elmira, Township of Woolwich, Region of Waterloo

OPA Registration No. FIT-DY09D, OPA Reference No. FIT-F0MH1Z7

MTC DPR file no. 30EA020

Dear Proponent:

This letter constitutes the Ministry of Tourism and Culture's written comments as required by s. 23(3)(a) of O. Reg. 359/09 under the *Environmental Protection Act* regarding the heritage assessment undertaken for the above project.

Based on the information contained in the report you have submitted for this project, the Ministry is satisfied with the heritage assessment. Please note that the Ministry makes no representation or warranty as to the completeness, accuracy or quality of the heritage assessment report.*

The report recommends the following:

The results of this research indicate that no significant built heritage or cultural heritage landscapes have been identified within the study area. Therefore it has been determined that no significant cultural heritage resources will be impacted by the proposed Bio-en Inc. development. Based on the results of this investigation of cultural heritage value, it has been recommended that additional research in the form of an Heritage Impact Assessment not be required.

The Ministry is satisfied with these recommendations.

This letter does not waive any requirements which you may have under the Ontario *Heritage Act*. Also, this letter does not constitute approval of the renewable energy project. Approvals of the project may be required under other statutes and regulations. It is your responsibility to obtain any necessary approvals or licences.

Please feel free to contact me if you have questions or require additional information.

Sincerely,



Laura Hatcher
Heritage Planner

cc.

Elizabeth Alder
Alder Heritage Assessments

Stacey Woodruff
Conestoga-Rovers & Associates

Chris Schiller, Manager, Culture Services Unit
Programs and Services Branch, MTC

James Hamilton, Supervisor, Culture Services Unit
Programs and Services Branch, MTC

* In no way will the Ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

CORRESPONDENCE WITH MINISTRY OF TOURISM AND CULTURE CONCERNING
REPORT

From: Hatcher, Laura (MTC) [mailto:Laura.Hatcher2@ontario.ca]
Sent: Wednesday, September 29, 2010 4:38 PM
To: Elizabeth Alder
Subject: RE: Bio-en lands Elmira

Elizabeth,

I forgot to attach the check list to my last email. Here it is.

Laura

From: Elizabeth Alder [mailto:aha.kw@sympatico.ca]
Sent: September 29, 2010 3:31 PM
To: Hatcher, Laura (MTC)
Subject: Bio-en lands Elmira

I forgot to give you the MTC File # for this project. It is 30EA008.

Looking forward to hearing from you at your earliest convenience. We are awaiting Ministry input before proceeding with any additional work on this project.

Thanks,
Elizabeth Alder

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"/>	The presence of cultural heritage resources may be indicated by the following:
<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 provincial register? (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. Was the municipality contacted regarding potential cultural heritage value and were any concerns expressed?

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 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 buildings (e.g. factories, complexes)
<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 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"/>	Cultural heritage landscapes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Does the 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"/>	5. Is it within a Canadian Heritage River watershed?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Is it within the Rideau Canal Corridor UNESCO World Heritage Site?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Does documentation exist to suggest built heritage or cultural heritage landscape potential? (e.g., local histories, a local recognition program, research studies, previous heritage impact assessment reports, etc.)

Note:

If you answer "yes" to any of the questions in Step 1, a heritage impact assessment is required.

If you answer "yes" to any of the questions in Step 2, an evaluation of cultural heritage value is required. If cultural heritage resources are identified, a heritage impact assessment will also be required.

If you answer "unknown" to any of the questions in Step 1 or to questions 2, 3, 5-7 in Step 2, further research is required.

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

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From: Hatcher, Laura (MTC) [mailto:Laura.Hatcher2@ontario.ca]
Sent: Wednesday, September 29, 2010 4:36 PM
To: Elizabeth Alder
Subject: RE: Bio-en lands Elmira

Dear Elizabeth,

Thank you for your email. Sorry for the delayed response – we are in the middle of relocating our office to another building so things are a little more hectic than usual around here.

I have attached our most recent version of the checklist for built heritage and cultural heritage landscapes, and I will answer your questions as I believe they still apply.

In the checklist, “It” refers to the entire property.

As for your question about the trail, it sounds like the trail could be part of a larger cultural heritage landscape (which may or may not include the project property). While this trail may not fall under the properties specifically outlined in section 19 of O. Reg 359/09, the reg. states that REA projects must also consider other potential heritage resources on the property (see sections 19, 20, 23 of Reg. 359/09). You are using the Ministry of Tourism and Culture checklist for this purpose. Any potential heritage resources should then be evaluated using the criteria set out in O. Reg 9/06. If they are evaluated to be of significance, a heritage impact assessment should be done.

If you do identify the trail/landscape as a significant cultural heritage resource in which the proposed project is situated, an impact assessment should be done, at which point your research into the project’s impact on views could be discussed.

I hope this answers your questions... but it may also have created some new ones! Please let me know if you have any other questions. I will be away from my desk for much of the day tomorrow, and our phones and computers will be down for much of the day on Friday so I may not be able to reply until next week.

Sincerely,

Laura

Laura Hatcher
Heritage Planner
Ministry of Tourism and Culture - Culture Services Unit
400 University Avenue, 4th Floor
Toronto, Ontario
M7A 2R9

Telephone: 416-314-3108
Fax: 416-212-8102
Email: laura.hatcher2@ontario.ca

Please note we are moving October 1.

Email addresses and phone numbers remain the same. Our new address is as follows:

Ministry of Tourism and Culture
401 Bay Street, Suite 1700

Toronto, Ontario
M7A 0A7

From: Elizabeth Alder [mailto:aha.kw@sympatico.ca]

Sent: September 29, 2010 3:31 PM

To: Hatcher, Laura (MTC)

Subject: Bio-en lands Elmira

I forgot to give you the MTC File # for this project. It is 30EA008.

Looking forward to hearing from you at your earliest convenience. We are awaiting Ministry input before proceeding with any additional work on this project.

Thanks,
Elizabeth Alder

From: Hatcher, Laura (MTC) [mailto:Laura.Hatcher2@ontario.ca]
Sent: Tuesday, December 07, 2010 11:22 AM
To: Elizabeth Alder
Subject: Woolwich Bio En and Section 19 of O. Reg 359/09

Hi Elizabeth,

This email is in response to your question regarding whether you need to address Section 19 of O. Reg 359/09 in your report, or in a separate letter. The regulation currently requires consideration of whether a renewable energy project is located on a protected property under Section 19, however, at the moment, the proponent is **not required** to submit a statement as to how they came to the conclusion that the project is not located on a property listed under Section 19.

That said, I believe it would be prudent for the proponent to present such a statement in the report, or in a letter accompanying the report. This is because a series of amendments have been proposed to O. Reg 359/09. If the revisions to the requirements related to protected heritage properties are passed, this requirement would change in the future, making it necessary for proponents to demonstrate how they have complied with the requirements in Section 19.

You can view the proposed changes to the regulation here: <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTEwMDEy&statusId=MTY1MTQ2&language=en> (scroll down to the "Protected Properties, Archaeological and Heritage Resources" section).

I hope this helps.

Laura

Laura Hatcher

A/Heritage Planner | Southwest and Northwest
Ministry of Tourism and Culture | Culture Services Unit
Tel. 416.314.3108 | Fax. 416.314.7175

We have moved to a new office:

Ministry of Tourism and Culture
Culture Division | Programs and Services Branch
Culture Services Unit
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7

From: Elizabeth Alder [mailto:aha.kw@sympatico.ca]
Sent: Wednesday, December 08, 2010 2:33 PM
To: Hatcher, Laura (MTC)
Subject: Bio-en Inc. Elmira re: O. Reg. 359/09, Section 19

Hi Laura,

The following is a letter that could be added to the appendix of my Bio-en Inc Cultural Heritage Evaluation report . This is to make sure Section 19 has been dealt with adequately to accommodate any future amendments to the Act.

Thanks E. Alder

Alder Heritage Assessments

485 Sandbanks Crescent
Waterloo ON N2V 2J3

Phone: (519) 746-7090
E-mail: aha.kw@sympatico.ca

December 8, 2010

Laura Hatcher
Heritage Planner
Ministry of Tourism and Culture
Cultural Heritage Unit
401 Bay Street, Suite 1700
Toronto, ON. M7A 0A7

Dear Ms. Hatcher:

Re: Bio-en Inc. Renewable Energy Development Project
Pt. Lt. 89, G.C.T., Town of Elmira, Township of Woolwich, Region of Waterloo
FIT Contract No.: F-000682-BIG-130-203

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In summary, Protected Properties have been recognized and documented under the Ontario Heritage Act. They have either been designated under the Ontario Heritage Act or are on a municipal or provincial heritage register.

To determine if there were any Protected Properties located within the Bio-en Inc. project lands, municipal staff were contacted and a number of heritage databases were investigated. Jeremy Vink, senior planner for the Township of Woolwich, indicated that there were no designated heritage buildings or features on the project lands. He confirmed that none of the above listed designations pertaining to cultural heritage value or interest applied to the project lands.

Further research was undertaken into a number of heritage databases including the following:

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Kissing Bridge Trailway

Ontario Heritage Properties Database

Ontario Heritage Trust

Parks Canada - The Canadian Heritage Rivers System

Township of Woolwich Trails

Waterloo Trans Canada Trail

Research into these databases indicated that there were no properties of cultural heritage value or interest located within the project lands.

Under O. Reg. 359/09, Section 19 pertaining to Protected Properties as listed in Column 1 of the Table provided, no sites of cultural heritage value or interest were identified. Therefore no sites were found to be the subject of a heritage agreement, covenant or easement, and no sites have been designated or are pending designation under the Ontario Heritage Act. Based on this research it was determined that the Bio-en Inc. project lands are not on a protected property as described in the Table in Section 19.

Sincerely,

Elizabeth Alder, M.A.