

PUBLIC INFORMATION SESSION
NOVA CONSTRUCTION CO LTD
Aggregate Operation
Brierly Brook

This pamphlet provides an overview of the information provided at this information session. Please feel free to ask questions or make comments now or on the [Feedback Form](#) provided.

The purpose of this session is to get public input to the environmental assessment document that is being prepared for the Nova Scotia Environmental Assessment process.

Additional information on the Environmental Assessment process in Nova Scotia can be found at: www.gov.ns.ca/nse/ea/pubs.asp

The currently permitted aggregate quarry at Brierly Brook is being proposed to be extended to the north and east onto Lands owned by Nova Construction. Some key aspects of the project have been outlined below.

- The project will extend the life of the quarry by up to 20 years.
- Annual estimated production: 100,000 tonnes of aggregate
- Total footprint at the end of the project: 14 ha (34.6 acres)
- Mobile crushing facility
- Blasting required 1 to 2 times per year

INFORMATION SESSION PANELS

1. ENVIRONMENTAL ASSESSMENT

Environmental Assessment (EA) is a decision-making tool used to promote sustainable development by evaluating the potential environmental and socio-economic effects of a project, such as a quarry, before it proceeds, by involving the public, stakeholders and government during the assessment.

Your input at this stage of the process helps Nova Construction address public concerns prior to registration of the project and submission of the report to government.

The public also has an opportunity to provide comment to the government on the final documents once the EA has been registered.

2. WHO IS NOVA CONSTRUCTION?

Nova Construction Co Ltd is a local family owned and managed company headquartered in Antigonish, Nova Scotia. Nova Construction produces a variety of construction aggregates and products including asphalt, concrete aggregate and other quarried stone. Their products supply local construction markets throughout Antigonish County. Nova Construction supports a number of community sponsored organizations.

3. PROJECT OVERVIEW

Nova Construction is currently permitting an extension to its Brierly Brook Quarry. The Project is the extension of the existing quarry that has had an average production of approximately 100,000 tonnes per year. The

extension will have a similar production rate, however, this may increase or decrease depending on market demand. No permanent infrastructure, other than settling ponds to control site runoff, is required. The site has mobile crushing equipment and an asphalt plant.

Nova Construction began the existing quarry operations in 2009 under a Nova Scotia Transportation & Infrastructure Renewal (NSTIR) exemption. Subsequently, an Industrial Approval was issued for the site in 2013.

Information specific to the project is discussed on this panel; for example, the amount of aggregate that is available and will be extracted per year; timelines; disturbed footprint, equipment, and other components of the project.

4. PROCESSING

Site activities associated with construction, operation, and decommissioning of the quarry are as follows:

- site preparation;
- resource excavation;
- processing: blasting, crushing, stockpiling;
- transportation/trucking;
- site maintenance;
- reclamation;
- closure.

Site Processes at the Brierly Brook Pit will consist of:

- Overburden removal and stockpiling.
- Drilling and Blasting (1-2 times per year)
- Excavation of the resource.
- Material being crushed to market size.

- Aggregate products being stockpiled on site for shipping to markets via trucking.

5. ENVIRONMENTAL BASELINE STUDIES

Many studies are required to assess the projects effect on the environment and the environments effect on the project. Typically, for a project of this size a minimum of one year of data is required. This panel provides information on the type and timing of studies and reviews conducted, including:

- Surface and Groundwater
- Flora and Fauna
- Migratory Birds
- Wetland Survey
- Archaeological Review
- Air Quality and Noise
- Socio-Economic Conditions

6. RECLAMATION

Reclamation is the final phase of the project to return the area to a condition that is consistent with the natural surroundings and community use. Two types of reclamation could be done – progressive (during operations on stable areas) and final reclamation (after the cessation of extraction activity). Rock slopes will be reduced to a stable slope. Overburden material that was stockpiled during operation will be used to create a growing medium for a mix of grasses, native plant species and trees.

Final reclamation will be done in consultation with the community and other stakeholders.

Useful information sources for reclamation in Nova Scotia include:

Guide for Surface Coal Mine Reclamation Plans
www.novascotia.ca/nse/ea/docs/EA.Guide-SurfaceCoalMineReclamation.pdf

Canadian Land Reclamation Association
 Atlantic Chapter www.atlanticclra.ca/



Thank you for attending.

If you wish to receive more information on, or have other questions about, the project, please contact:

Nova Construction Co. Ltd.

Head Office:
 3098 Post Road, Antigonish, Nova Scotia

Mailing Address:
 PO Box 1328, Antigonish, NS B2G 2L7

Contact: Paul White, P.Eng.
 (902) 863-4004
novaconstruction@ns.sympatico.ca

NOTES

PUBLIC INFORMATION SESSION

NOVA CONSTRUCTION CO. LTD. is in the process of conducting a provincially regulated Environmental Assessment of its *Aggregate Operation* at the Brierly Brook Quarry.

As a part of the assessment process, Nova Construction is conducting a public consultation session to provide project information and gather public input.

You are cordially invited to attend the session
any time between 12 noon and 9 pm on

Wednesday, April 2, 2014

Brierly Brook Quarry

319 Brierly Brook Road

Brierly Brook, Antigonish Co., NS

Nova Construction Co. Ltd.

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For information on the
Nova Scotia Environmental Assessment Process refer to:

www.novascotia.ca/nse/ea

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NOVA CONSTRUCTION CO. LTD

Brierly Brook Quarry

Environmental Assessment Process

- A Decision Making tool used to promote Sustainable Development, while protecting and conserving the environment, by evaluating the potential environmental and socio-economic effects of a project.
- Well defined standard process in Nova Scotia.
- Involves Environmental and Socio-economic Baseline Studies.
- Consultation is important and includes: General Public; First Nations; Government.
 - Public input prior to registering the project and submission of the report to government (This meeting).
 - Information sharing and open dialogue with First Nation interests.
 - Consultation with government regulators.
- Submission of the Environmental Assessment Registration Document.
- 30 Day Public Review and Comment period after Registration.
- Technical Review by EA Branch and Final Approval by the Minister of Environment.
- Application for an Industrial Approval Amendment to Construct, Operate and Reclaim.
 - Considers Engineering requirements to meet the Conditions of EA Approval.
 - Includes Monitoring, Sampling, Operations, Record Keeping and Reporting, etc.

NOVA CONSTRUCTION CO. LTD

Brierly Brook Quarry

WHO IS...?

Nova Construction Co. Ltd

- A Nova Scotian, locally family-owned and managed company.
- Headquartered in Antigonish, Nova Scotia.
- Produces a variety of construction aggregates including, but not limited to:
 - construction aggregate
 - asphalt aggregate
 - quarried stone.
- Nova's products supply construction markets mainly in Antigonish County.
- Nova Construction supports a number of community sponsored organizations.

NOVA CONSTRUCTION CO. LTD

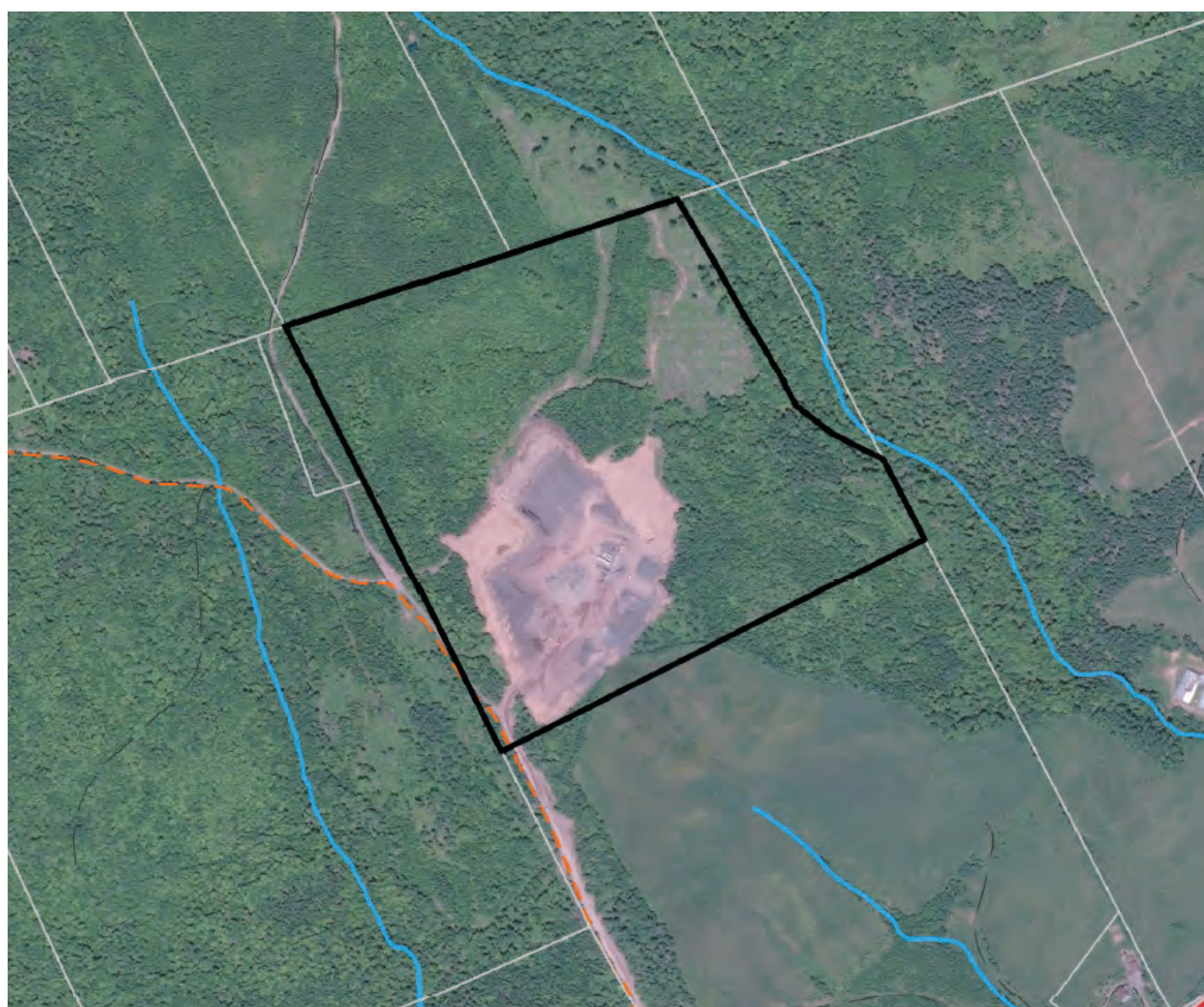
Brierly Brook Quarry

THE PROJECT

Nova Construction is currently permitting it's Brierly Brook Quarry to take full advantage of the highly desirable aggregate resource on their property. There are no competing land use values to impede permitting.

PROJECT OVERVIEW

- Operation of an existing Quarry approved by NS Transportation and Infrastructure Renewal for construction of Highway 104 in 2009. Industrial Approval for 4 ha granted in 2013.
- Reserves: Aprox. 2,000,000 tonnes of aggregate.
- Production: 100,000 tonnes annually (market driven).
- Estimated Life span of quarry: 20 years +/- (typically seasonal production).
- Crushing plant in operation only a few months per year or as market demand requires.
- Blasting required to remove the resource.
- Footprint: Existing approved - ~ 4 ha (9.5 acres);
Fully Developed Quarry - 14 ha (34.6 acres)
- Mobile asphalt plant facilities on site.



NOVA CONSTRUCTION CO. LTD

Brierly Brook Quarry

PROCESSING

Site activities associated with construction, operation, and decommissioning of the Quarry are as follows:

- site preparation;
- resource excavation;
- crushing, screening and stockpiling;
- transportation/trucking;
- reclamation and closure.

Processing of aggregate products at the Quarry will consist of:

- overburden removal and stockpiling for use in reclamation
- drilling and blasting (1 or 2 times per year)
- excavation of the resource
- material is crushed to market size
- aggregate products will then be stockpiled on site for shipping to markets.



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Brierly Brook Quarry

ENVIRONMENT

The project area has been the subject of forest harvesting and previous resource extraction activity.

Habitat Assessment (Summer 2013)

- Open Mixed Wood; Young Tolerant Hardwoods; Disturbed Habitat in regrowth.

Vegetation Surveys for Priority Species (Spring and Summer 2013)

- 118 vegetation species identified; None were priority species.

Wetland and Watercourse Identification (Summer 2013)

- Four small wetlands identified of low functional significance.
- Four intermittent watercourses identified that provide no fish habitat

Breeding and Migratory Bird Assessments (2013)

Ten Priority species identified; 2 of these are protected by legislation.

- Bird activity is consistent with habitat types
- Songbirds are the most common users of the area - no unique habitats for nesting, foraging or migration stop-over.

Opportunistic Surveys for Priority Species (Summer 2013)

- Mainland Moose transects (June 2013, Winter 2013/14)
- Moose have been observed in the vicinity but not identified on the project site.
- Suitable habitat for other priority species not identified.

Desktop analyses, field assessments, and subsequent conclusions indicate there are no concerns related to priority species, rare or unique habitat types, within the Project Area.

Archaeological & Cultural Heritage Studies (2013)

- Low potential for finding heritage resources
- Recommended to and accepted by Nova Scotia Museum that the area be cleared of a need for any future archaeological investigation.

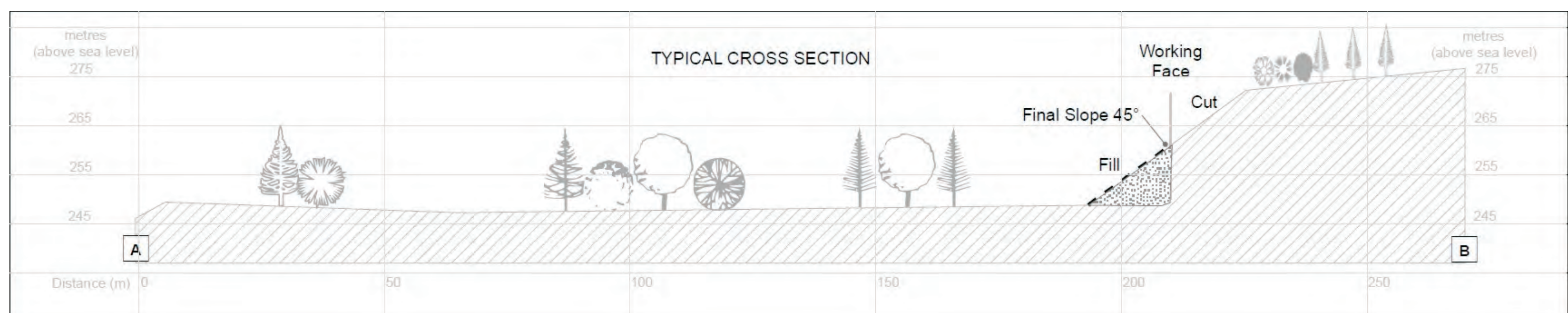


NOVA CONSTRUCTION CO. LTD

Brierly Brook Quarry

RECLAMATION

- Creation of a gentle side hill and field.
- Site shaped to blend into the natural topography surrounding the site.
- Quarry faces graded to a minimum 1:1 (45 degrees) slope then transition to a 3:1 slope or flatter to create a field.
- Topsoil saved during the pit development will be placed on the slopes and vegetated that maybe planted with native seed mix and trees.
- Drainage channels and shallow ponds will be left in place to allow drainage of the property.





**CONESTOGA-ROVERS
& ASSOCIATES**

45 Akerley Boulevard
Dartmouth, Nova Scotia, B3B 1J7
Telephone: (902) 468-1248 Fax: (902) 468-2207
www.CRAworld.com

August 11, 2014

Reference No. 081464

Chief Andrea Paul
Pictou Landing First Nation
43 Maple Street
RR#2 Box 55 Site 6
Trenton, Nova Scotia B0K 1X0

Dear Chief Andrea Paul:

Re: Brierly Brook Quarry Extension

This is a letter to inform you of a proposed extension of the Brierly Brook Quarry by Nova Construction Co. Ltd. in Brierly Brook, Antigonish County, Nova Scotia.

This project consists of an extension to the existing Brierly Brook Quarry that has operated since 2009 extending from the existing approved 4 ha (9.5 acres) to 14 ha (34.6 acres). Nova Construction Co. Ltd. expects this extension to extend the life span of the quarry to 20 years with production remaining at roughly the same levels as is currently experienced. Production consists of construction aggregates, asphalt aggregates, and quarried stone which supplies construction markets mainly in Antigonish County.

Nova Construction Co. Ltd., in conjunction with Conestoga-Rovers & Associates, is currently in the process of preparing documentation to register this Project under the guidelines set forth by the Nova Scotia Environment Act. The project documents will be available on NSE's website for Environmental Assessments and we extend an offer to provide you with the documents directly if you wish when the project is registered.

In the meantime, if you would like to meet to discuss the project or explore opportunities please feel free to contact me at (902) 468-1248 or at poram@croworld.com. I look forward to discussing this project further with you.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Peter Oram, P.Geol.

PO/ms/1

cc: Paul White, P.Eng. Vice President, Nova Construction Co. Ltd.



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August 11, 2014

Reference No. 081464

Chief Paul Prosper
Paqtnkek Mi'kmaw Nation
7 Dillon Street
Afton Station, Nova Scotia
B0A 1A0

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