Meet Wanda: Wanda wonders about WHY pits and quarries are needed and How they operate.

Everything we eat, drink, work and play with comes from the earth. That includes the materials we use to build our communities.

Did you know some of the most important materials for building our communities are stone, sand and gravel – aggregates – that come from the earth? The roads we drive on, the arenas we skate in and the schools we learn in are built from stone, sand and gravel all from the earth.

Pit

Sand and gravel left behind by glaciers provides some of what we need to build our communities. Claciers used to coper most of the earth. A glacier is a river of ice. As it moves it pushes millions of tonnes of earth. The freezing, I thewing and scaping of the glacier breaks up the earth underneath it. When it melts, glaciers leave behind 'deposits' of sand and gravel. It is this sand and gravel that is dug out in a pit and sold to construct our roads, blike paths, homes, swimming pools, and shooping malls.

Quarry

A quarry makes stone from the solid bedrock of the earth's crust. In a quarry, the glaciers have not done our work for us. Explosives are used to remove the solid rock.

A licence is required in order to establish a Pit or a Quarry. In order to get a licence:

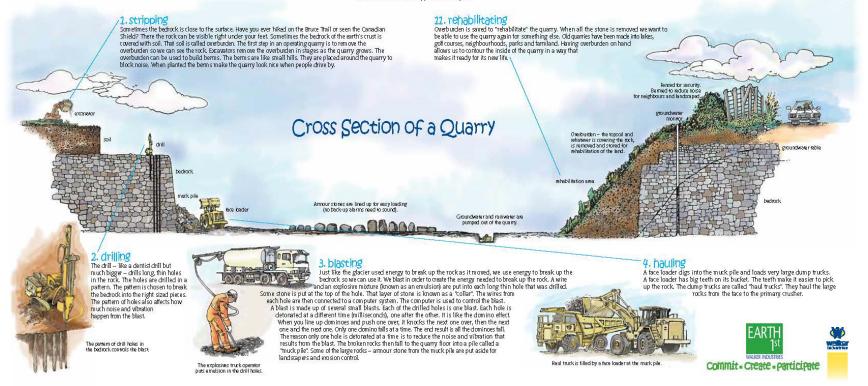
- There must be stone, sand or gravel (resources) in the location.
- The resource must be good enough to use for construction.
- ■There must be a plan for how the resources will be removed and processed.

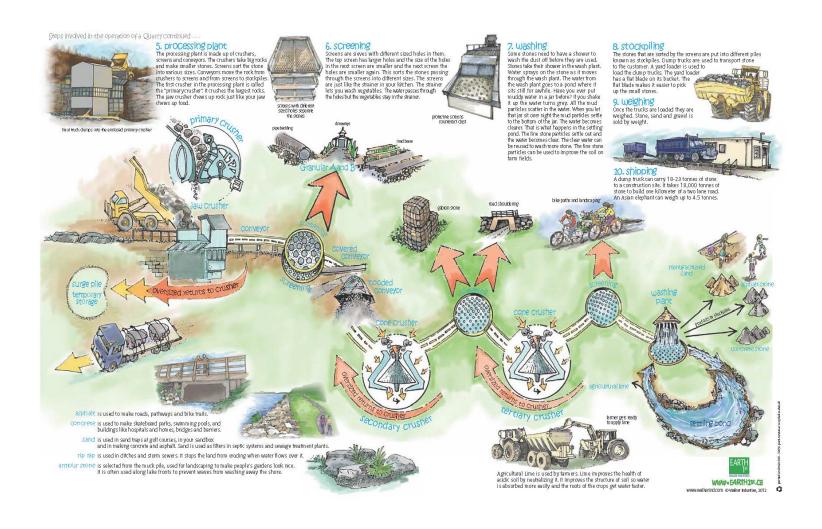
 Potential impacts to the water, habitats, vegetation, animals and people must be assessed.
- A plan to protect the water, habitats, vegetation and animals must be provided.
- Where necessary, a plan to monitor the water, habitats, vegetation and animals must be developed
- A plan for the rehabilitation of the site must be provided.
- Technical experts review the information and decide whether it makes sense to issue the licence and approve the site plans.

The approved site plans instruct the pit or quarry owner how to operate. The quarry owners must monitor, check and inspect that they are operating as the site plan says. They also have to adapt their operations to protect the environment.

Steps Involved In the operation of a Quarry

1. stripping 7. washing 8. stockpiling 8. stockpiling 9. weighing 9. hauling 10. shipping 5. processing 11. rehabilitating 6. screening





NOTICE

Registration of Undertaking for Environmental Assessment ENVIRONMENT ACT

This is to advise that on April 3rd, 2025, CHAPMAN BROS. CONSTRUCTION LTD. registered the KEMPTOWN QUARRY DEVELOPMENT PROJECT for environmental assessment in accordance with Part IV of the Environment Act.

The purpose of the proposed undertaking is to develop the existing <2 ha Kemptown aggregate Quarry located at 1417 Kemptown Road, in the community of Upper Kemptown, Colchester County. The quarry, which was opened in 2023 under a temporary operating permit is located on PID 20343422. The quarry is planned to be expanded up to 30.6 ha within the next 50 years. Levels of activity including blasting, crushing, asphalt production, and heavy equipment operation, will be similar to current operations and with continued estimated production of an average of 25,000-50,000 tonnes of aggregate annually based on market demands. Aggregate from the Kemptown Quarry is used locally for provincial road construction projects.

Copies of the environmental assessment registration information may be examined at the following locations:

- Earltown General Store, 5556 Highway 311, Tatamagouche Nova Scotia
- Truro Public Library, 754 Prince Street, Truro, Nova Scotia
- NSE EA website (when available) http://www.novascotia.ca/nse/ea/
- Nova Scotia Environment and Climate Change, 36 Inglis Place, Truro, Nova Scotia

The public is invited to submit written comments to:

Environmental Assessment Branch Nova Scotia Environment and Climate Change P.O. Box 442, Halifax, Nova Scotia B3J 2P8

On or before May 2^{nd} , 2025 or contact the Department's at (902) 424-3600, (902) 424-6925 (Fax), or e-mail at <u>EA@novascotia.ca</u>

All comments received from the public consultation will be posted on the Department's website for public viewing. In the case of an individual, the address, email and contact information will be removed before being placed on the website. By submitting your comments, you are consenting to the posting of your comments on the Department's website.

Published by: Chapman Bros. Construction Ltd. 32 Maplewood Drive, New Glasgow, Nova Scotia, B2H 5Y2



James C. Chapman, P.Eng Chapman Bros. Construction Ltd. 32 Maplewood Drive New Glasgow, NS B2H 5Y2

19 November 2024

Michelle Glasgow, Chief Sipekne'katik First Nation 522 Church St. Indian Brook, Nova Scotia BON 2HO

Re: Chapman Bros. Construction Limited, Kemptown Quarry Development, 1417 Kemptown Road, Upper Kemptown, Colchester County, Nova Scotia. Class 1 Undertaking – Environmental Assessment, Under Section 9(1) of the Nova Scotia Environmental Assessment Regulations.

Chief Glasgow,

I'm writing to let you know that Chapman Bros. Construction Ltd. intends to register an expansion of its Kemptown aggregate quarry as a Class 1 undertaking under Section 9(1) of the Environmental Assessment Regulations under the *Environment Act*. As part of the process, we are contacting members of the public including government officials, local residents, and the Mi'kmaq to inform them of the project and invite their input and comment.

Chapman Bros. Construction Ltd. is a construction company which operates aggregate quarries throughout Nova Scotia, which are an important source of aggregate material for many local and regional projects.—The Kemptown site is in the community of Upper Kemptown, Colchester County, approximately 20 km northeast of Truro and roughly the same distance from Tatamagouche. The company wishes to continue operating the quarry and to expand its footprint in upcoming years, requiring an approval from the Province of Nova Scotia. The scope of operations for the quarry is not expected to change from the present. An Environmental Assessment has been conducted, as required under Part IV of the Nova Scotia Environment Act. The current approved quarry is located at 1417 Kemptown Road, Upper Kemptown, Colchester County, Nova Scotia (PID 20343422).

Envirosphere Consultants Ltd. of Windsor, Nova Scotia, is preparing an Environmental Assessment Registration Document that includes information regarding the environmental and socio-economic implications of the Kemptown Quarry, with an anticipated submission to Nova Scotia Environment and Climate Change (NSECC) in early spring 2025. At that time, the document will become available online and at two publicly accessible locations (e.g. Kemptown Community Center and the Truro Municipal office) for review and comment for a 30-day period. A public notification will also appear in the Chronicle Herald and the Truro Daily News on the registration date with details of the quarry expansion project and



availability of the registration document.

The nearest Mi'kmaq communities to the Kemptown Quarry are Millbrook and Sipekne'katik, located near Truro and Shubenacadie and 24 km and 72 km from the quarry site respectively. Davis MacIntyre & Associates completed an Archeological Resource Impact Assessment (Heritage Research Permit A2023NS159) in October 2023, which concluded that no archaeological sites or features were encountered within the study area boundaries.

Chapman Bros. Construction Ltd. extends an invitation to meet and discuss details of the Kemptown Quarry project in the coming weeks. Please contact me at your convenience if you would like to schedule a meeting.

Sincerely,

James C. Chapman

Chapman Bros. Construction Limited

Phone: 902-969-9556 Fax: Fax: (902)- 687 -3545

jamie.chapman@chapmanbros.ca

cc: Chief Bob Gloade, Millbrook First Nation

Chief Lorraine Augustine, Native Council of Nova Scotia

Ms. Twila Gaudet, Kwilmu'kw Maw-klusuaqn Negotiation Office

Ms. Beata Dera, Office of L'Nu Affairs



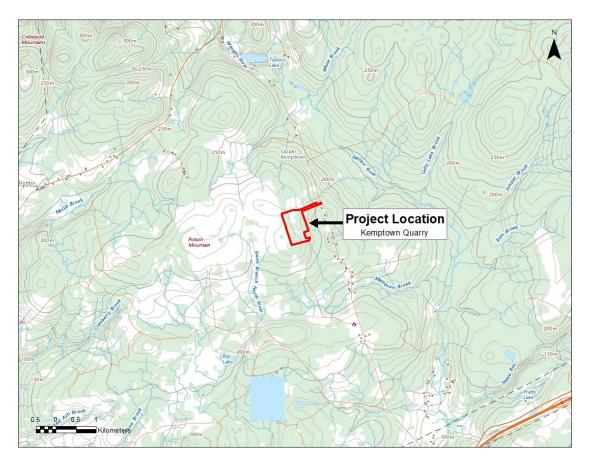


Figure 1. Project location shown on NTS 1:50,000.



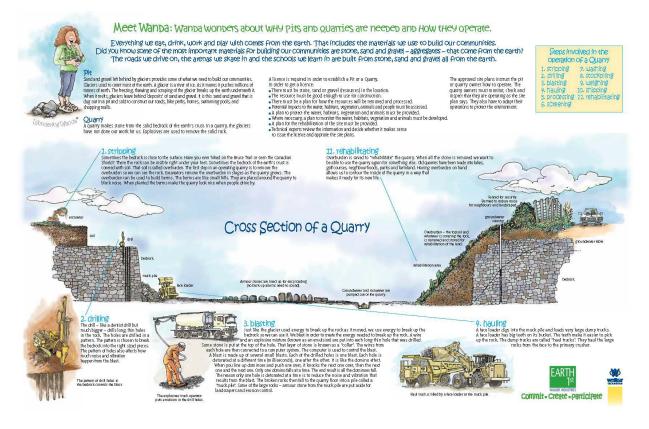


Figure 2. Cross section of quarry operations.