



## About Lehigh Hanson Materials Ltd.

Lehigh Hanson Materials Limited (Lehigh) is a respected supplier of construction aggregates and concrete in British Columbia. With operations in Western Canada for more than 100 years, Lehigh employs more than 2,000 Canadians. Local operations include a cement plant in Delta, BC and aggregate locations in Sechelt and Chilliwack, BC. Lehigh is a North American subsidiary of HeidelbergCement, one of the world's largest producers of construction materials. HeidelbergCement is a core member of the Cement Sustainability Initiative of the World Business Council for Sustainable Development and was the first company in the industry to implement a guideline on biodiversity management standards at its quarries.

### Contact Information

To meet or speak with a member of the project team about the proposed project or request email updates, please contact:

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## Overview

Lehigh Hanson Materials Limited (Lehigh) supplies construction aggregates and concrete in British Columbia. Lehigh has been operating for more than 100 years in Western Canada and is one of the world's leading building materials companies. We employ more than 2,000 employees in Canada, many of whom work at our Cement Plant in Delta and aggregate locations throughout the Lower Mainland.

We anticipate demands for aggregate material and cement and would like to expand our services. We recently submitted a proposal to Port Metro Vancouver to build a new facility on industrial lands owned by Port Metro Vancouver in southeast Richmond at the south end of No. 7 Road in Richmond, BC (*see map on inside page*).

Subject to Port approval, our proposed facility would include buildings and equipment to import and process raw aggregates and distribute finished product. Our material would be transported primarily by marine barge and rail, significantly limiting the need for truck transport through local roads. Our proposal is consistent with existing permitted uses in the area and uses a project design that incorporates measures to protect the environment and minimize changes in the community.



## About Our Proposal

Lehigh's proposed aggregate (sand and gravel) processing and distribution facility will process raw aggregate materials sourced from coastal deposits as well as inland sources in B.C. Raw aggregate materials will be shipped to our site by barge and rail, where they would be stored in stockpiles and processed in a plant to produce various grades of aggregates. Finished products will be distributed on barges and rail cars or by trucks to local customers. Vehicles accessing the site will only do so from Portside Road on the eastern side of the property.

### Key Project Elements include:

- 1 Barge Berths** – Two barge berths, one for unloading raw aggregate materials (1a) and one for loading finished product (1b). Aggregate (raw and finished) will be transported to and from the barges by conveyors, which will be fully enclosed over the road, dyke and new public trail.
- 2 Raw Material Storage** – A stacker conveyor will “build” stockpiles, where material will be stored prior to being processed.

- 3 Processing Plant** – Aggregate will be transferred from the stockpile and conveyed to the aggregate processing plant, where raw materials will be separated into three types of sand and stone products based on size. The processing plant will be operated up to 24 hours per day.

- 4 Storage (Finished Product)** – Finished aggregate will be conveyed from the processing plant to a finished aggregate stockpile storage area (4a) via a series of conveyors (4b).

- 5 Rewash Station** – A reclaiming machine will remove the finished aggregate from the stockpile and convey it to a rewash station, after which it will be conveyed to the marine load-out berth. Process water will be clarified and reused to wash aggregate and mitigate dust.

- 6 Truck Loading Area For Finished Product** – While nearly all finished product will be transported by marine barge, a small percentage of finished products may be transported by trucks to local customers.

- 7 Future Rail Area** – CN Rail may extend their rail tracks in the future, in which case some raw and finished aggregate could be transported by rail (see shaded area).

- 8 Public Waterfront Trail** – Lehigh has worked closely with the City of Richmond and provided funds for the development of the city's public trail system along the Fraser River to connect the trail between the Hamilton and Riverport neighbourhoods.

- 9 Administration Office and Security Gate**

## Key Project Information: Environmental Mitigation Measures

The project design incorporates environmental protection and mitigation measures to ensure that environmental effects can be minimized. The design protects and enhances existing cattail, grass wetlands and woodland habitat to support amphibian, waterfowl and nesting bird habitats. Lehigh retained an environmental consultant to undertake environmental impact studies for the proposed use of the site. The studies found no significant environmental effects with the proposed project that would not be effectively addressed through Lehigh's planned mitigation measures.

### Proposed Project Timeline

The project would require several years of site preparation beginning with preloading to improve the soft soil conditions, which are common across the City of Richmond. Preloading involves adding sand and gravel across the site and would last for up to six years. Construction of the facility is anticipated to begin in 2020.

## What to Expect

### Marine, Rail and Truck Activity

- On average, 20 marine barge movements will occur per month, increasing to up to 70 marine barge movements per month after 10 years.
- To import raw aggregate and export cement in the future, the Lehigh rail facility will have a single-track connection at the northeast and southeast corners of the site. This will allow connection to the existing CN Rail line.
- The majority of inbound and outbound shipments will occur by marine and rail with only approximately 10 per cent of shipments transported by truck. No public road connection is proposed through the site, to prevent truck traffic on local roads.

## Respecting residential neighbours Noise, Dust and Viewscapes

- A noise assessment by an independent consultant showed that our operations will comply with City of Richmond daytime and nighttime noise bylaws.
- An air emissions assessment indicated that dust concerns are not expected given the characteristics of the raw material and wet nature of the aggregate processing and planned use of mitigating controls.
- A visual assessment indicated that the proposed site will not affect existing views.