

April 15, 2019

Mr. Donald Jacobsen
Project Director
Kiewit – G3 Terminal Limited Partnership
Suite 310 – 4350 Still Creek Avenue

Dear Mr. Jabcobsen:

Re: **Vancouver Fraser Port Authority Project Permit No. 15-180
G3 Terminal Vancouver
Request for Construction Outside of Regular Work Hours**

The Vancouver Fraser Port Authority (VFPA) has received G3 Terminal Vancouver's request for a further exemption to Condition 34 of Project Permit 15-180 to allow construction outside of regular work hours, specifically between 8:00 PM and 7:00 AM up to seven days per week between May 1, 2019 and May 31, 2020. At this time VFPA authorizes that construction activities of limited scope may occur between 8:00 PM and 7:00 AM up to seven days per week between May 1, 2019 and October 31, 2019, subject to a number of conditions being met.

VFPA understands that this request is to enable G3 Terminal Vancouver to proceed with works outlined, and for the reasons provided, in the application package received on March 22, 2019. This request is further to the extended hours working period of November 1, 2018 to April 30, 2019. Many of the works which formed part of this previous extended hours authorization are understood to be ongoing.

We further understand that these works are not anticipated to generate significant noise or light impacts to nearby receptors, that G3 Terminal Vancouver remains committed to minimizing potential disturbances on surrounding residents, and addressing complaints promptly should they arise.

The mitigations identified when undertaking the works outside of regular work hours include turning off diesel engines and using electric power when possible, sheilding equipment with barriers when possible, using strobe lights in combination with lower volume back-up alarms when appropriate, placing lights at low levels and directed away from residential areas, using black screens for weilding, concrete placing with crane and bucket, no use of high-noise power tools and the utilization of synthetic hammers in lieu of steel hammers.

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VFPA will allow construction outside regular hours of work during the above noted time periods provided the following conditions are met:

1. G3 Terminal Vancouver shall ensure the scope of works undertaken during extended hours is limited to the activities outlined in the request received on March 22, 2019. Only work that cannot occur during VFPA regular hours of work (Monday – Saturday, 7:00 AM – 8:00 PM) is permitted to occur during the extended hours;
2. G3 Terminal Vancouver shall circulate a construction notice to surrounding residents. The notice shall be consistent with the draft provided on April 11, 2019, and shall be distributed to residents a minimum of 10 business days in advance of the commencement of works;
3. Should additional extended hours work be scheduled (e.g. a 24 hour concrete pour), G3 Terminal Vancouver shall send a description of the work, timing, and a draft construction notice to VFPA and the notice shall be distributed 10 business days in advance of the commencement of works;
4. All Project Permit 15-180 conditions shall continue to apply during extended work hours.

VFPA reserves the right to cancel or revoke authorization for extended work hours should noise levels exceed reasonable levels or should disturbances to surrounding residents persist.

Should you have any questions please contact Regan Elley at 604-665-9594 or Regan.Elley@portvancouver.com.

Yours truly,

VANCOUVER FRASER PORT AUTHORITY

Original Copy Signed

Peter Xotta,
Vice President, Planning and Operations

cc Greg Yeomans, Director, Planning & Development, VFPA
Tim Blair, Supervisor, Planning, VFPA
Kate Grossman, Public Engagement Advisor, Project Consultation, VFPA

encl (1) Draft Construction Notice

2019 May to 2019 October Nightshift Construction Notification

Subject Line: Construction Notice of Continuing Night Shift Work at G3 Terminal Vancouver from May 1st, 2019 – October 31st 2019

Thank you for subscribing to G3's email updates.

G3 has received an extension to the night shift work exemption on its Project and Environmental Review Permit #15-180 from the Vancouver Fraser Port Authority for the period from May 1st, 2019 to October 31st, 2019.

The exemption allows work to take place between the hours of 8:00 p.m. and 7:00 a.m., up to 7 days a week for a variety of reasons which include the need to coordinate construction activities safely around co-joining and adjacent overhead work, and where preparation or servicing is required for safe construction operations. It also allows work that must be coordinated around equipment availability and the requirements of neighbouring port tenants. Construction activity will be limited to operations that are anticipated to have low noise and light impacts to the surrounding community.

Previously approved activities:

- Marine steel and equipment installation
- Interior work within the concrete buildings (generally electrical and mechanical equipment installation and concrete work)
- Pre-assembly and erection of structural steel supports for conveyors
- Installation of mechanical equipment and belts on conveyors
- Installing electrical cable and equipment
- Installing rail ballast and ties
- Welding and installing rail, and switches and accessories
- Servicing construction equipment
- Commissioning plant equipment and systems

Current additions:

- Testing and inspecting materials
- Construction demobilization

G3 is complying with Vancouver Fraser Port Authority requirements for these extended work hours by implementing mitigation measures and providing further advanced notice when required. Noise levels during this period will be monitored to verify that construction activities do not result in a notable increase to the average existing noise levels.

Additionally, lighting mitigation will be in place including lights being placed as close to the ground as possible and directed down and away from residential areas. Permanent lighting, which is designed to have a low impact on the surrounding community, is displacing the higher intensity construction lighting where possible and as safe working conditions allow.

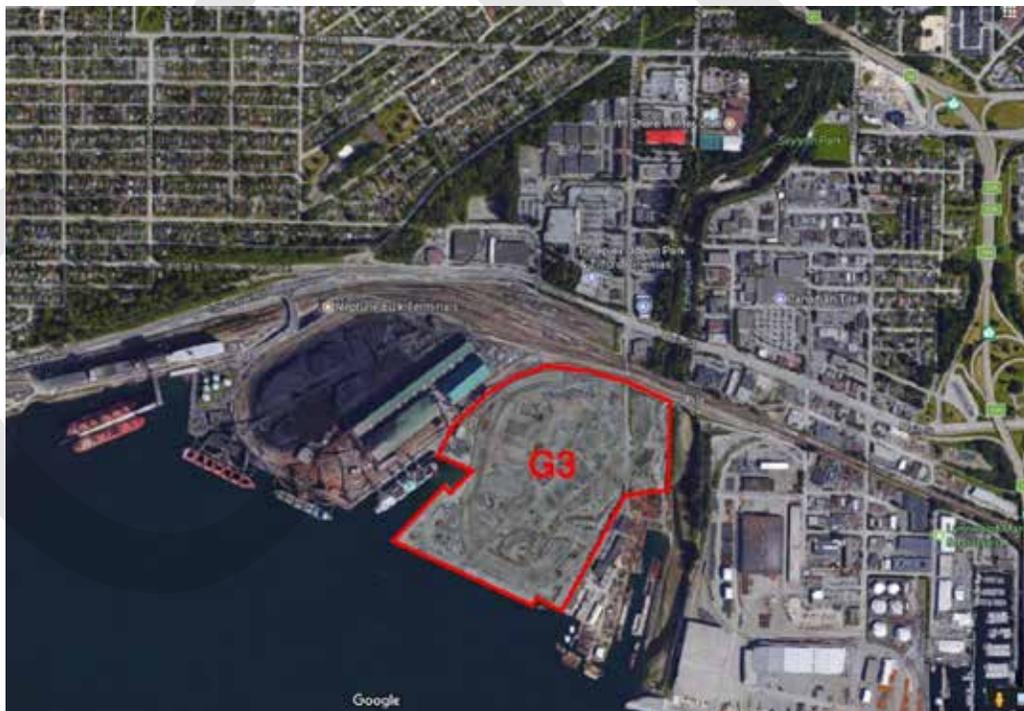
G3 has successfully employed several construction and lighting mitigation techniques between the hours of 8:00 p.m. and 7:00 a.m. to minimize the potential effects to neighbours, including:

- Turning off diesel engines and utilizing electric power wherever possible
- Combining the use of safety lights with lower volume back-up alarms on construction vehicles when appropriate
- Positioning lights as close to the ground as possible
- Directing lights down and away from residential areas
- Using blackout screens when welding work is required
- Placing concrete with crane and buckets
- Using synthetic hammers in lieu of steel hammers, to minimize noise when assembling and erecting structural steel

Overall construction activities will continue for the next year, but later in 2019 they will begin to ramp down as portions of the facility near completion. At that time, testing of individual systems by the construction contractor will begin and noise and light levels will generally reflect operational parameters expected when G3 assumes the site from the construction contractor in the spring of 2020.

During the testing phase, the construction contractor will start and verify equipment functionality and concurrently transition to permanent low impact lighting which will replace the temporary construction lighting. Rail systems will be tested in the fall of this year and ship loading systems will be tested in late 2019 / early 2020. Only when system-wide tests are successful will the facility be turned over to G3 for commercial operations in the spring of 2020.

The location and boundaries of the site:



As construction and testing proceeds, activity updates will be posted at www.g3terminalvancouver.ca.

Should any material changes to the plan occur, construction notifications will also be emailed. For general inquiries, please contact 1-844- 263-2398 or send us an email to info@g3terminalvancouver.ca, and for construction-related inquiries, please contact 778-373-3150.

Questions regarding the port authority's permitting process can be directed to the Community Feedback telephone line at 604.665.9004 or by email at Community.Feedback@portvancouver.com.

With best regards,

The Team at G3

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