

November 14, 2016

Mr. Gord Tycho  
Senior Planner  
Port of Vancouver  
100 The Pointe, 999 Canada Place  
Vancouver, BC, V6C3T4

Dear: Sir

**RE: PP# 2014-096: WORK HOUR VARIANCE REQUEST**

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Pursuant to our pre-application meeting on November 04, 2016 and our site meeting on November 10, 2016, PCT would like to apply for a variance to conduct construction project activities during off-peak and night-time hours. The basis for this application is that the project has incurred unexpected delays. Additional work hours are required for the completion of the project to coincide with the completion of the newly built mine and processing facilities which will enable the receipt of potash. The additional hours will be used to mitigate risk in areas and accelerate works in other areas. Currently the un-accelerated project schedule shows a mechanical completion date of mid-July 2017. A mechanical completion date of mid-April 2017 is required. The time frame that PCT requires the variance is until mid-May 2017, which would allow for potential further schedule slippages.

PCT and the Project Team is requesting a 24 hour / 7 days per week variance for the below outlined work areas and scopes of work. A summary of the work areas and description of the scopes of work can be found in the enclosure "Work Areas and Scopes of Work and Equipment Summary".

Scopes of Work Descriptions:

**1. Railcar Unloading Area**

The following scope of work will be completed:

- Installation of the following equipment. The electrical portion will form the biggest part of the night-time work.
  - Railcar indexer
  - Railcar opener, closer and shaker
  - Dust collection and piping
  - Conveyor components
  - Electrical cable trays and cables
  - Small electrical equipment
  - Cleaning and painting of steel

## **2. Shiploader**

- During December 2016, 4 nightshifts are required to do welding work on the newly installed chute storage tower (CST) piles. This activity can only be done at low tides which occur at night time. The anticipated date for the work is scheduled to start on December 14, 2016.
- Two additional mini-shutdowns of 10 days each will occur in late February, 2017 and late March, 2017. During this time the following scope of work will be completed:
  - Installation of the following equipment
    - Dust collection systems and platforms
    - Conveyor head chute replacements
    - Electrical cable trays and cables
    - Chute storage tower final installation
    - Shiploader rail upgrades
    - Conveyor covers installation
    - Instrumentation
    - Cleaning and painting of steel

## **3. Conveyors and Storage Areas**

During this time the following scope of work will be completed:

- Installation of the following equipment. The electrical portion will form the biggest part of the night-time work.
  - Conveyor components
  - Dust collection systems and platforms
  - Pumps
  - Tanks and Piping
  - Electrical cable trays and cables
  - Small electrical equipment
  - Cleaning and painting of steel
  - Roof membrane and cover

## **4. Waste Water Treatment**

During this time the following scope of work will be completed:

- Installation of the following equipment
  - Tanks
  - Pumps
  - Piping
  - Electrical cable trays and cables
  - Cleaning and painting of steel

## **5. Type of Equipment**

- The type of equipment and other potential noise sources that will be involved in the construction activities are outlined in the enclosure “Work Areas Scopes of Work and Equipment Summary”
- Not all of the equipment will be used concurrently and will only be used as required per the activities in the schedule.
- Proximity (in meters) to the nearest residential area;
  - The closest residential area is approximately 250m away from the work area.

- Description of any biophysical barriers (trees, embankments, buildings, roads, etc.) that may exist between the residential areas and the construction component.
  - The position of the work areas are located on site at PCT. The landside boundary of PCT is adjacent to a steep embankment, wooded areas and the Barnett Highway separate the physical work area from the closest residential area. This area will not be affected by the planned activities.

**Mitigation:**

- PCT will conduct a noise study to determine the effect of the proposed works.
- Further, PCT proposes to conduct nighttime noise monitoring to determine noise levels during proposed work periods.
- Potential noisy equipment will be identified and noise mitigation measures will be implemented.
- Potential light pollution will be identified and lighting refocused.
- Loud operations will not be performed during the night shift. This includes pneumatic tools, and equipment that will cause a disturbance to the public.
- Only work that is specifically required will be executed during off peak hours.

Please feel free to contact me if you have any further queries.

Sincerely,



Andre Olivier, P.Eng, MBA, PMP

Manager, Engineering

**Enclosures:**

1. Area Map with 5km residential radius.
2. PCT Map of Work Areas
3. Work Area Scope of Work and Equipment Summary
4. Completed Noise Assessment Worksheet
5. Project Schedule – Critical Path