

Canport Community Environmental Liaison Committee (CCELC) – Communications Report : October - December 2020



1- CCELC Business

Update on Action Items Resulting from Q3 2020 Report:

- (Q3 2020 Action) Position of CCELC co-chair has been vacant for some time. Please respond if there is an interest among the committee members in becoming co-chair.
 - No responses received to date. Action will remain open.
- (Q3 2020) Looking to finalize December's meeting minutes of last year. Please forward any changes for consideration by November 1st, 2020. If there is no feedback by November 1st, it will be assumed that the CCELC approves the minutes as is.
 - No feedback was received; December's meeting minutes approved with no changes.

Other Business:

- **Note:** Any questions and comments submitted will be addressed, and the questions and answers will be captured on the next communications report for the benefit of all members. The next communications report will be issued in April, and will incorporate activities from January to March 2021.
- **Virtual Meetings:** There was discussion amongst some members on whether or not the committee had an interest in having a CCELC meeting virtually. This is something we can arrange if there is enough interest. The few that were spoken to indicated they would prefer to continue with Communication Reports. If there is any interest, please reach out.



2- Terminal Update

- Monthly operation capacity from January to December is as follows: 27%, 20%, 6%, 1%, 1%, 1.5%, 11%, 6%, 3%, 4%, 3%, 13%.
- The Terminal has had lower than expected send out for a Q4; however, the overall utilization was slightly higher than the past few years.
- As indicated in the previous report, all personnel are back working under a formal COVID-19 mitigation plan, which includes a significant increase in teleworking.
- A lot of maintenance activities were postponed due to the COVID-19 crisis combined with budget restraints.



3- LNG Shipments

- There were two additional shipments of LNG shipment during the October to December period, for a total of 8 to date in 2020.

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4- Community Involvement

To end the year, Canaport LNG provided donations to some organizations who, due to COVID restrictions, will be completing their activities in 2021.

- Forest Hills School Community Garden - \$15,000
- Habitat for Humanity - \$10,000

Each year for Christmas, typically, Canaport LNG conducts a fundraiser within the office to raise money for the food bank. Although that looked a bit different this year, we were still able to provide the Community Food Basket with a donation of \$5,000, in addition to some food items.

We also provided the Salvation Army with \$5,000 toward its Jack Frost program. Every Tuesday night through the winter months, our employees volunteer and take the Salvation Army truck to the East side to provide meals for any individual or family who needs one. This program is very well received by this community and is one of our most successful employee volunteer programs to date.

In addition to these donations, Canaport LNG has an employee matching program, in which employees are able to have their donations or volunteer hours matched, which in turn provides a donation to the organization of their choice. Organizations receiving donations this year are:

- Salvation Army
- Saint John SPCA
- Habitat for Humanity
- Kids Help Phone
- Romero House
- Atlantic Wildlife Institute
- 1st Westfield Group Scouts Canada
- Maritime Greyhound Adoption Program



5- Water Monitoring

Quantity Background:

(1) Throughout the operation of the Submerged Combustion Vapourizers (SCV's), condensate water is produced, and is discharged to the Bay via the sedimentation basin onsite. As per the Approval to Operate (ATO), there are quantity limits of what can be discharged on a daily basis. The amount of condensate water produced is directly correlated to the natural gas send-out, so in winter months when more natural gas is being sent out, there is more condensate water produced.

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(1) Measure daily for quantity of submerged combustion vapourizers (SCVs) water leaving the site via sedimentation basin.

- Limited to 1000m³ / day
- Average daily discharge ranges per month range from a minimum of 10.5 m³ / day to a maximum of 63 m³ / day for the October to December period

(2) To ensure groundwater resources in the area are protected, there is a limit in which groundwater can be withdrawn during the normal operation for the Terminal. Groundwater is used for kitchens, bathrooms, etc., as well as topping up fire water cushion tank as required.

- (2) Measure daily withdrawal of groundwater
 - Limited to 50 m³/day
 - Average daily usage ranges from a minimum of 10 m³ / day to a maximum of 17 m³ / day for the October to December period.

Quality Background: In addition to the condensate water, there are other sources of water that runs into the sedimentation basin prior to discharging into the Bay. Those sources include outdoor stormwater drains and surface water runoff. To ensure the quality of water discharging to the Bay has not become impacted by Terminal operations, routine monitoring is conducted on over 50 parameters.

- Measure weekly for pH
 - Limited to 6.0 to 9.5
 - All pH ranges for this period were within this range
- Measure monthly for general chemistry, trace metals, hydrocarbons, mercury, and sulphur
 - All are within their stipulated ranges for this period
- Measure bi-annually for BOD and fish toxicity
 - Fish toxicity testing was completed in November, and passed with no mortalities. .



6- Air Emissions

Atmospheric Monitoring Background: Air emissions result from the combustion of fuels, such as natural gas burned to run the SCVs, natural gas that is flared, and hydrocarbons used to operate the back-up generators.

- Air emissions monitoring consists of monitoring parameters such as Greenhouse Gases (Carbon Dioxide, Methane, Nitrous Oxide), and others emissions such as Sulphur Dioxides, Nitrogen Oxides, Particular Matters, Carbon Monoxides, etc.
 - There are annual limits for these emissions based on the Approval to Operate. All of the parameters are measuring well below their limits.

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- There are also reporting limits, in which if they are met, they must be reported to governing authorities. Government reporting is further described under section 8 below.



7- Incidents

- There has been one LNG spill that occurred in October. Approximately 40m³ of LNG was released as a result of a leaking bonnet on the 2" bypass of the Motorized Valve (MOV) 3307 of the bottom fill riser of the tank. Immediate action was taken to rectify the issue, and notification was provided to NBDELG.



8- Government Reporting

This section describes any reporting to the provincial or federal governments during the October to December 2020 timeframe.

- There was no routine reporting to the government during the third quarter, other than the spill release as identified in number 7 above.



9- Questions / Comments from CCELC

Questions/Comments on the Communications Report

- None Received

General Questions/Comments

- Gordon Dalzell wanted to bring the following to the committee's attention:
 - Canada Energy Regulator just released a publication titled "Canada's Energy Future 2020", which provides energy supply and demand Projections to 2050. Link to publication can be found here: <https://www.cer-rec.gc.ca/en/data-analysis/canada-energy-future/2020/canada-energy-futures-2020.pdf>



10-Attachments

- None at this time