

# Canaport Community Environmental Liaison Committee (CCELC) – Communications Report - January to June 2020



## 1- CCELC Business

### Update on Action Items Resulting from December's Meeting:

- (115-1) Sergio to ensure the New Brunswick Department of the Environment and Local Government (NBDELG) is included on the invite list for the next inclusive exercise
  - Update: Cathy Dubee and Sheryl Johnstone from the NBDELG are invited to the September 2020 E2 full scale exercise.
- (115-2) Canaport LNG to update their protocols when an emergency takes place to do the following: Communicate with other Terminal gates so they can appropriately direct traffic in the event the responders end up at the wrong address; and have a car at the entrance to direct traffic.
  - Update: Complete. Discussions took place with IOL.

### Other Business:

- **Action:** CCELC Annual Report 2019 – Please review report from 2019 and report back with any changes by September 1<sup>st</sup>, 2020. If no requests for changes are made, the report will be finalized.
- **Action:** Report back on “CCELC Communications Report” format and suggestions for improvements. For the foreseeable future, we will be issuing these on a quarterly basis.
- **Note:** Any questions and comments submitted will be addressed, and the question and answer will be captured on the next communications report for the benefit of all member. The next communications report will be issued in September.



## 2- Terminal Update

- Monthly operation capacity from January to June is as follows: 27%, 20%, 6%, 1%, 1%, 1.5%
- For two months all non-essential personnel worked from home.
- Since then, we had a phased return with a formal COVID-19 mitigation plan. Currently all personnel is back working under established controls with this plan
- 25% of contractors have been laid off due to the impact that the crisis has had on the oil and gas sector
- Significant ongoing cost control efforts due to crisis



## 3- LNG Shipments

- There has been five LNG shipment during the January to June 2020 timeframe: three in January, one in March, and one in April
- Next cargo is anticipated in last week of July

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### 4- Community Involvement

- COVID-19 has impacted Canaport LNG's ability to contribute as many of the organizations we collaborate with have altered or completely cancelled their activities and/or programs due to restrictions in place.
- Almost every activity/event Canaport LNG had planned to sponsor since March has been postponed. These organizations with cancelled events faced fundraising challenges, however, Canaport LNG continued to sponsor them to help support their cause. These organizations included:
  - Teen Resource Centre
  - Arthritis Society New Brunswick
  - Junior Achievement
  - NB Adoption Foundation
  - Rocmaura
  - Big Brothers Big Sisters Bowl for Kids Sake
- Other organizations Canaport LNG sponsored included:
  - Saint John Emergency Food Program
  - Red Cross
  - New Brunswick Association for Community Living
  - Canadian Cancer Society Family Camps
  - YMCA Y Lead Program
  - Boys & Girls Club
- Upcoming Planned Activities include the following:
  - Brilliant Labs – funding allows children to attend for free, spaces set aside for those who would otherwise not be able to attend
  - Interaction Children's Theatre – funding for children who otherwise would not be able to attend
  - The Gaia Project – changed to provide virtual programming to schools
  - Ronald MacDonald PJ Walk for Kids – changed to a week-long virtual event
- The above only include the larger sponsorships provided since the beginning of 2020; however there were many smaller initiatives as well.
- Due to the restrictions we were all under, sponsorships have slowed down, but we do expect it to pick back up as things continue to move forward.

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### 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.

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

- Limited to 1000m<sup>3</sup> / day
- Average daily discharge ranges per month range from a minimum of 5.4 m<sup>3</sup> / day to a maximum of 28m<sup>3</sup> / day

(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 m<sup>3</sup>/day
  - Average daily usage ranges from a minimum of 9 m<sup>3</sup> / day to a maximum of 38 m<sup>3</sup> / day.

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
- Measure bi-annually for BOD and fish toxicity
  - All are within their stipulated ranges

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## 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.
  - 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.

**Sound Background:** With residential neighbours nearby, sound monitoring occurred on a bi-annual basis since the beginning of the operation of the Terminal to determine if there were any impacts. To date, there has been no elevated sound at the residences as a result from Terminal operations.

- Where there has been no recorded sound impacts resulting from the Terminal's operations over the last 10 years, a request was made to the NBDELG to halt the monitoring. Permission was granted with the understanding that it would resume at the discretion of NBDELG, which may result from complaints from near-by residential receptors; changes in Terminal operation that are anticipated to cause an increase in sound; or failure of current noise mitigation measures.



## 7- Incidents

- There have been no incidents within this time period



## 8- Government Reporting

This section describes any reporting to the provincial or federal governments during the January to June 2020 timeframe.

- Greenhouse Gas Reporting for 2019:
  - Reporting limits are set at 10,000 tonnes
  - Canaport LNG emitted 14,456 tonnes in 2019
- National Pollutant Release Inventory (NPRI) report for 2019
  - Reported on particular matter smaller than 10 microns (PM10), and particulate matter smaller than 2.5 microns (PM2.5). Thresholds for reporting were 0.5 and 0.3 microns

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respectively. Levels emitted resulting from Terminal operations were 0.8 for both PM10 and PM 2.5 microns.

- Q3 & Q4 2019 Bi-Annual Monitoring Report submitted to the Department of the Environment as per the current Approval to Operate
- E2 Reporting under the Environmental Emergencies Regulation
  - Emergency exercises are mandatory under this regulation, and reporting is required when exercises are completed. The exercise completed in Q4, 2019 was reported.