

**Canaport LNG Project
Canaport Community Environmental Liaison Committee (CCELC)**

Approved

Minutes of Meeting CCELC # 105
Monday, 12th June 2017
Canaport LNG Terminal, Saint John, NB
Meeting 6:05 pm –8:10 pm

Committee Present:

- | | |
|----------------------|-------------------------------------|
| • Carvana, Sergio | Co-Chair (Canaport LNG) |
| • Dalzell, Gordon | SJ Citizens Coalition for Clean Air |
| • Debly, Teresa | Resident |
| • Johnston, Jan | Resident |
| • McNeil, Pam | Resident |
| • Perry, Yvonne | Resident |
| • Thompson, David H. | Member |

Committee Absent:

- | | |
|---------------------|---------------------------|
| • Armstrong, Carol | Resident |
| • Silliphant, Craig | ACAP |
| • Turner, Rick | Saint John Board of Trade |

Resources Present:

- | | |
|-------------------|--------------------|
| • Caines, Crystal | Fundy Engineering |
| • Dube, Cathy | NBDELG |
| • O'Brien, Kevin | City of Saint John |

(1) OPENING REMARKS:

The meeting commenced at 6:05 pm with Sergio Carvana welcoming everyone, and providing a brief introduction on his new role with Canaport LNG since Fraser's retirement. Sergio has been with Canaport LNG for 9 years, and has worked closely with Fraser as the Health and Safety Manager.

(2) REVIEW & APPROVAL OF MINUTES FROM MEETING #104

The minutes of meeting #104 were reviewed and approved with no changes, moved by Gordon Dalzell, and seconded by David Thompson. All members in attendance were in favour.

(3) BUSINESS ARISING FROM PREVIOUS MEETINGS

103-1	Gordon Dalzell to discuss with ACAP whether or not they could support beach clean-up opportunities (tires)	Update: Gordon Dalzell provided an update in that ACAP did receive funding from the Environmental Trust Fund for \$30,000 to clean up tires. It is anticipated that the work will be done this year.
104-1	Obtain a copy of the ALERT presentation for committee members	Update: The presentation was requested; however, has not been provided to date.

(4) UPDATES - Canaport LNG Update NBDELG Update (Cathy Dubee)

The following site highlights were given by Sergio Carvana:

- Terminal is running on boil-off-gas (BOG), which is being sent out to pipeline
- Regular maintenance is occurring, including scaffolding on jetty for regular maintenance of the unloading arms
- Painting, etc.

Gordon Dalzell mentioned his attendance at the Saint John Chamber of Commerce's event "East Coast Energy Connection" Conference in Saint John on June 6th and 7th, and requested a copy of the presentation presented by senior officials of Repsol.

Action 105-1: Sergio Carvana to obtain a copy of Repsol's presentation during the East Coast Energy Connection Conference held in Saint John in June of 2017

A brief discussion ensued regarding the use of natural gas in North America, market challenges, and possible future uses.

David Thompson inquired as to whether oil was being unloaded at the Terminal. Sergio indicated that only in 2014 was the oil unloaded at the Canaport LNG Terminal.

(5) NEW BUSINESS

Summary of Environmental Monitoring (2016) Presentation:

Crystal Caines presented the annual summary of environmental monitoring presentation for 2016, which consisted of an overview of the water quality and quantity monitoring, atmospheric conditions monitoring, LNG parameters monitoring, and incidents.

Teresa Debly inquired on the sulphur quantities within the natural gas. Sergio explained that in order to liquefy natural gas, the sulphur must first be removed. The pipeline spec (and the Approval to Operate) requirements are set at a limit of 28.3 mg/m³; however, sulphur levels in the gas coming from the Terminal are very, very low (i.e., <1 mg/m³).

A copy of the presentation is attached to the minutes.

Canaport LNG Greenhouse Gas Management Plan:

Sergio Carvana distributed copies of the Greenhouse Gas Management plan, which was a requirement of the Terminal's Approval to Operate. The Greenhouse Gas Management (GHG) plan includes the following elements:

- Introduction and past GHG reduction initiatives;
- Annual GHG emissions from operations;
- Contribution to the total provincial GHG emissions;
- Benchmarking;
- GHG reduction targets;
- GHG reduction strategy;
- Baseline emissions;
- Boundary considerations;
- Provincial policy or regulation considerations;
- Continual improvement; and,
- GHG monitoring and reporting.

Sergio Carvana highlighted a few of Canaport LNG's past GHG reduction, summarized in the plan, which included:

- topping up the insulation within the tanks
 - condensation on the tanks were noticed, so thermal imaging was used to identify sagging insulation
 - Thermal imaging is used yearly to detect inefficiencies;
- Boil Off Gas Blending Initiative
 - LNG comes in different qualities. Low grade LNG cargo can be blended to ensure it meets pipeline specs. Benefits include less flaring, more flexibility, etc.
- Changing of tank lighting to LED
 - benefits include less energy, less waste to landfills, less maintenance, more environmentally friendly for birds (i.e., directional lighting), etc.

- Street lights have not been change to LED lighting as it does not provide a wide enough beam to see all of the road, which is necessary for security purposes

Canaport LNG operates under the Approval to Operate issued by the New Brunswick Department of the Environment; however, the Terminal is also ISO 14001 certified, which is a voluntary environmental registration, but demands more rigorous processes in regards to implementation plans, training plans, and record management.

Gordon Dalzell referenced a public notice issued on Environment Canada's website regarding methane reduction, and questioned how Canaport LNG are going to manage this policy.

Sergio briefly discussed the leak detection and repair program Canaport LNG are looking at implementing, and will provide further details at the next meeting.

Action 105-2: Sergio Carvana to provide further details in regards to Canaport LNG's leak detection and repair program

MEETING ADJOURNED: 8:10 PM

NEXT MEETING DATE: MONDAY, SEPTEMBER 11TH, 2017

LOCATION: TBD

ENCL:

CCELC Summary of Environmental Monitoring (2016) Presentation (for those who were not in attendance at the last meeting)

Repsol Presentation

2016 CCELC Yearly Report

TABLE OF ACTIONS / RESPONSIBILITIES

Action #	Action Item	Responsible Party	Due Date
105-1	Sergio Carvana to obtain a copy of Repsol's presentation during the East Coast Energy Connection Conference held in Saint John in June of 2017	Canaport LNG	September 2017
105-2	Sergio Carvana to provide further details in regards to Canaport LNG's leak detection and repair program	Canaport LNG	September 2017

PARKING LOT - TABLE OF ACTIONS

Action #	Action Item	Responsible Party	Due Date
103-4	Reach out to ACAP to determine if they wish to remain part of the CCELC	CLNG	
104-1	Obtain a copy of the ALERT presentation for committee members	Fundy Eng	12 June 2017
