

Canaport LNG Project Canaport Community Environmental Liaison Committee (CCELC)

Minutes of Meeting CCELC # 21
Monday, May 8, 2006
Approved

Red Head United Church
7:00 pm – 9:00pm

Committee Present:

- Armstrong, Stu Co-chair of CCELC, Resident
- Barton, Dianna Enterprise Saint John
- Dalzell, Gordon SJ Citizens Coalition for Clean Air
- Debly, Teresa Resident
- Griffin, Dennis Resident
- Johnston, Jan Resident
- Long, Warren Co-chair of CCELC, Irving Oil
- Malcharek, Rainer Bayside Power
- Rogers, Kathy Member
- Roy, Beth Resident
- Smith, Elsie Resident
- Thompson David Member

Committee Absent:

- Court, Ivan City of Saint John Councilor
- Daigle Dawn Resident
- Griffin, Glenn Resident
- Hunter, Roger Resident
- Lyttle, Dwain Resident
- Macaulay, David Resident
- MacKinnon, Claude ACAP Representative
- Melanson, Don Resident
- Perry, Yvonne Resident
- Quinn, Kevin Bay Pilots & Marine Consultants
- Turner, Rick Saint John Board of Trade
- Thompson, Jean Resident

Resources:

- | | |
|------------------------|-------------------------------|
| • Black, Kendra | Canaport LNG |
| • Caines, Crystal | Fundy Engineering |
| • Darren, Row | Gulf Operators |
| • Forsythe, Fraser | Canaport LNG |
| • Mason Mike | Archibald Drilling & Blasting |
| • McLaughlin, Gary | Fundy Engineering |
| • Moulard, Gordon | Fundy Engineering |
| • Kamel, Sally | Fundy Engineering |
| • Dean, Rod | Archibald Drilling & Blasting |
| • Totten, Terry | City Manager |
| • Van der Veen Carolyn | Canaport LNG |

Opening Remarks:

The meeting commenced at 7:00 pm after the site tour of the Canaport facility, with Warren Long welcoming all of those in attendance, including Carolyn Van der Veen from Canaport LNG, the guests from Gulf Operators and Archibald Drilling and Blasting, and also Gord Moulard from Fundy Engineering.

Review & Approval of minutes from April 11 meeting:

The minutes of meeting #20 were reviewed and Teresa D. requested that the record reflect the name of the person initiating comments for discussion on a go forward basis. The motion was put forth, seconded by David Thompson, and was carried.

Action 21-1: Ensure the names of members and resources, and their statements, are reflected in the minutes

An inquiry was made regarding outstanding action item 19-11, referring to a traffic education / awareness program. It was clarified that this action item has been included in the Table of Outstanding Action Items for follow-up.

Minutes of Meeting # 20 of 11 April 2006 were accepted with the following changes (Gordon D. put the motion forth, seconded by Denis G.);

- Gordon Dalzell's name was added as the member who inquired on the interest from IOL for property at Anthony's Cove Road. Additionally, it was clarified that to the best of Warren's knowledge, the interest is not related to the LNG Terminal.

Members Statement:

Jan Johnston inquired about the second access point for the LNG Terminal Facility coming onto the Red Head Road. The site plan is still being developed and the second access route is a requirement of the Environmental Assessment approval. The routing needs to be decided by 1 March 2007, and the committee will be informed once the decision is made.

Blasting Presentation “Blasting Procedures and Practices”:

Two blasting presentations were given per the request of the committee (action item 20-2) as the blasting has commenced on the new Mispic Road.

The first presentation was given by Gordon Mouland, of Fundy Engineering and Consulting, titled “Blasting Procedures and Practices”. Gordon Mouland has been involved in blasting control work since 1976. A copy of the presentation is attached to the minutes.

The following are some of the key questions raised resulting from Gordon Mouland’s blasting presentation:

Q.1: Does the municipality set the limits for blasting? **A:** No, the *Municipalities Act* governs procedures for quarries only.

Q.2: Gordon D. asked if a record of unseen flaws, for example cracks under sub floors, are documented within a preblast survey? **A:** What is observed is noted, and this is considered to be a reasonable practice.

Q.3: Gordon D. asked about consideration given during blasting to the existing Canaport infrastructure (*i.e.*, tanks, etc.)? **A:** Consideration is given when blasting at the LNG Terminal; however, the roadway alignment is too far away. Strict limits are adhered to protect other nearby structures.

Q.4: David T. commented that the fishermen noticed last fall, during blasting, less lobster. How do the vibrations carry through incompressible fluid? **A:** Blasting activities on site are required to follow the Department of Fisheries and Oceans guidelines for blasting in or near Canadian waters within the bay. These guidelines are designed to protect the aquatic life.

Q.5: Teresa D. asked who should be contacted if new cracks were to appear in a home, and the cracks were thought to be a result of blasting activities. **A:** Gordon Mouland from Fundy Engineering (via Crystal Caines of Fundy Engineering) can be contacted with any concerns.

Q.6: If damage was caused by blasting, should the incident be reported to the insurance company? **A:** Yes, this would be advisable. Also notify the contractor or Fundy Engineering, and the potential damage will be assessed. Notifying the insurance company could also be beneficial for other reasons as well, such as in the case of a dispute or for a second expert opinion. The choice is the homeowners. To clarify the steps further, the contractor carries insurance from an independent third party. Irving Oil Ltd requires that the contractor carry adequate insurance coverage and in some cases, bonding as well. Irving Oil also carries insurance to ensure that any damages will be adequately covered. The home owner would be wise to involve their insurance company in case the damage was a result of some other cause other than blasting.

Blasting Presentation “Red Head Secondary Access Road Blast Plan”:

Mike Mason, the Safety Officer with Archibald Drilling and Blasting, presented the second blasting presentation that detailed the blasting plan for the Mispes Road. Information presented included blasting procedures, notification, monitoring, scheduling, and environmental considerations. A copy of the material presented by Archibald Drilling is attached to the minutes.

The following are some of the key questions raised resulting from Archibald Drilling’s blasting presentation:

Q.1: Is there a standard distance from the blasting site for notifying neighbours of upcoming blasting? **A:** There is no standard for notification based on distance in the City of Saint John, or in most jurisdictions. The pre-blast radius is determined by the engineer and the blaster based on blast design size and magnitude. The notification for the Mispes Road is a radius of 500 meters from the blast site, which is considered ultra conservative.

Archibald Drilling indicated that the majority of the blasting for the new road will take place on the south side of the Proud road (65%).

Q.2: Dennis G. asked about people walking on their own property and whether they, as property owners, will be notified of the blasting?

Action 21-2: Provide 24 hour advanced notice to property owners where blasting will be performed.

Q.3: Jan J. mentioned that there are a few elders in the area and wondered if they could receive a telephone call to ensure they are notified regarding the blasting?

Action 21-3: Jan Johnston to provide the names of the elders in the area who wish to be contacted prior to blasting in their area

Q.4: What are the hours of blasting for the Mispes Road? **A:** Blasting will be conducted between the hours of 7am -7pm, Monday to Friday, and the schedules will be posted on the blasting hotline (693-7110).

Q.5: Gordon D. asked about the blasting guidelines for New Brunswick, and how they compare to the rest of Canada. **A:** Blasting limits (concussion & vibration) within New Brunswick are lower (*i.e.*, stricter) compared to the standards in the rest of North America.

Q.6: Could caution tape be used to mark out the blast area prior to blasting as a safety precaution?

Action 21-4: Flag the blast area limits on the RoW prior to blasting when on private property.

Q.7: Teresa D. asked about a blast last Thursday (4 May 2006 at 3:10pm) as she did not hear the three audible horn signals, and instead heard a high whistle. Archibald Blasting will check their records regarding the warning signal. Currently, blasting is being conducted 700 meters off the Proud Road towards Canaport. Typically, prior to blasting, 3 long blasts of an air horn are sounded. The three long audible warning signals are designed to be heard for those employees are on site near the blasting area.

Action 21-5: Archibald Drilling to check their records regarding the audible warning signal on 4 May 2006 and reiterate protocols

Q.8: Are there any risks of blast debris coming down Red Head Mountain? The blasts can be heard as far as Anthony's Cove, yet the audible signal prior to the blasting can not be heard. **A:** The audible warning signal is protection for the safety zone only, and may not be heard outside the safety zone due to winds. Additionally, there is no risk of blast debris outside the safety zone.

Q.9: Are provisions made for birds in respect to clearing? **A:** Yes. Prior to clearing, a qualified birder surveys the site to ensure there are no nesting birds. Additionally, mitigative measures are described in the EPP in the event of a nest discovery.

Q.10: Dennis G. asked about the use of blasting mats when blasting. **A:** Blasting mats are used as protection against fly rock, especially around housing. Not all blasts require blast mats.

Q.11: Who should be contacted if there are concerns relating to construction? **A:** Contact should be made with the environmental compliance officers. The Department of Environment has assigned David Peterson in place of Carolyn Walker for the Mispic Road. Also, Fundy Engineering has Crystal Caines as the Canaport LNG Compliance Officer. Fundy Engineering can be contacted at 674-9418.

Q.12: Is there work being completed within the wetlands? **A:** There is no work being conducted within the wetlands as approvals to work in these areas are still pending. Currently, we are working up to the buffers of these wetlands, and are trying to keep the contract moving within our current approvals.

Q.13: If cloud cover can affect (increase) the noise levels of blasting, would fog also increase the noise levels? **A:** Fog provides the maximum absorption of sound, therefore it would muffle the sound as opposed to amplifying the sound.

New Business

Gordon D. asked if there will be a public announcement on the contract awards for Phase III at the LNG terminal site. Kendra B. advised there would be a public announcement. The onshore portion of the work was awarded to SNC

Lavalin in partnership with Saipem. The offshore portion of the terminal facility work was awarded to Peter Kiewit Sons Inc.

Adjourned: 9:05 pm

Submitted by:

Fundy Engineering

Attachments:

Table of Actions/Responsibilities – May 2006

Table of Outstanding Action Items (May)

Presentation: Blasting Procedures and Practices

Presentation: Red Head Secondary Access Road Blast Plan

Traffic Update – March & April

Table of Actions/Responsibilities – May 2006

Action #	Action	Responsible Party	Due Date
21-1	<i>Ensure the names of members and resources, and their statements, are reflected in the minutes</i>	Fundy Engineering	ongoing
21-2	<i>Provide 24 hour advanced notice to property owners where blasting will be performed.</i>	Gulf Operators / Archibald Drilling	Ongoing
21-3	<i>Jan Johnston to provide the names of the elders in the area who wish to be contacted prior to blasting in their area</i>	Jan Johnston	June 12
21-4	<i>Flag the blast area limits on the RoW prior to blasting when on private property.</i>	Gulf Operators / Archibald Drilling	Ongoing
21-5	<i>Archibald Drilling to check their records regarding the audible warning signal on 4 May 2006</i>	Archibald Drilling / Fundy Engineering	June 12