

**Minutes of the Chevron Burnaby Refinery
Community Advisory Panel Meeting
Wednesday, September 18, 2013**

7 – 9 pm at the Confederation Seniors Centre

PRESENT

Al Mytkowicz, Eileen Luongo, Pat Connell, Rob MacLean

Chevron representatives:

Steve Parker, Chevron, Refinery Manager, Jill Donnelly, Health Environment & Safety Manager; Ray Lord, Public & Govt. Affairs Manager

Metro Vancouver Representatives:

Larry Avanthay, Regulatory Representative, Metro Vancouver
Darrell Wakelin, Regulatory Representative, Metro Vancouver

Facilitator:

Catherine Rockandel, Rockandel & Associates

Regrets:

Maziar Kazemi, Rob Firkins, Ian Lacoursiere, Kathy Mezei, Art Quan, Kathy Curran (maternity leave)

Guests:

Fraser Health representatives: Gord Stewart; Dr Lawrence Loh, Medical Health Officer; Dr Goran Krstic, Human Health Risk Assessment Specialist. Metro Vancouver: Geoff Doerksen, Air Quality Planner; Ken Reid, Superintendent Environmental Sampling and Monitoring; Kathy Preston, ERE Senior Engineer

CAP BUSINESS

1. Opening Remarks

- Catherine Rockandel welcomed CAP members and guests from Fraser Health and Metro Vancouver.

2. Chevron Updates

a. General Refinery Operations – Steve Parker, Refinery Manager

- Steve Parker gave a short bio of himself and his family as well as his work history with Chevron. He reported that the refinery has been running well over the summer months with no unusual events that would have impacted the community in any way.

- In May there was an external (BC Hydro) power failure that resulted in an unplanned shut down of most of the refinery. To ensure it was done as safely as possible, it took four days before the refinery was returned to normal operations. During this period, the FCC (fluid catalytic cracker) experienced higher levels of opacity (fine particulate), which may have been visible in the community along with an elevated level of flaring.
- The Kinder Morgan pipeline was shut down for a period of time in late June and early July due to leaks. The floods in Calgary also affected pipeline operations. The result was that the refinery did not get the crude it was expecting. Kinder Morgan is still doing testing work on the pipeline. It should be restored to full capacity by the end of the year.
- In July, the NEB decision re our Priority Destination Designation (PDD) application was issued and Chevron was unsuccessful. We continue to experience challenges in securing crude supply we need and are using rail and truck to access supplemental crude.
- CAP raised some questions and concerns about rail safety after the rail incident in Quebec. The type of rail cars Chevron is using are designed for crude and appropriately certified for crude transport. There are two types of rail cars – the enhanced version has extra protection on each end of the car and protective shrouds near the valves on the top of the rail cars. The Chevron Burnaby fleet consists of 75% of the enhanced variety. Over the next couple of years as the rail car leases come up for renewal, Chevron will replace the remaining 25% of the fleet to the enhanced rail cars.
- During recent months, the perimeter appearance of the refinery is something we've been working on. Tank 127 in Area 1 was recently painted with a new exterior coating. Current maintenance plans include painting more tanks as we go forward.
- Construction of the refinery's new Fire Hall has now begun. Located near the training centre just off Penzance Drive, the new location offers a more strategic location between Areas 1 and 2. Neighbours should not be concerned about noise as the refinery's fire fighting vehicles are not equipped with sirens like those found on City Fire Dept trucks.

b. Area 2 Seep – Jill Donnelly

- Catherine Rockandel reported that due to a full agenda the report on the area 2 seep and the site remediation status would be tabled to a future meeting. Jill Donnelly stated that there was no new information to report on the area 2 seep.

c. Site Remediation Status – Jill Donnelly (see attachment 1)

- In order to provide more time for this evening's main topic presentation, it was agreed that the site remediation status would be provided as an attachment to the minutes.

3. CAP Q&A

a. **Emergency Notification Proposal Update – Ray Lord**

- On Monday May 6, 2013, a presentation concerning an emergency notification system for North Burnaby was made by Art Quan on behalf of the CAP Emergency Notification sub-committee. A staff report was submitted to Council on July 8, 2013. Council referred the report back to staff for further research. The staff report is expected to come before City Council for a decision once again this fall.

4. Metro Vancouver and Fraser Health Presentation (see attachment 1 & 2)

- The presentation began with Darrell Wakelin, Regulatory Representative, Metro Vancouver providing background context regarding the 2002 UBC Health Study and summarizing the presenters' understanding of CAP's request for updated information specific to Sulphur Dioxide, Benzene and 1,3 Butadiene.
- Metro Vancouver, Geoff Doerksen, Air Quality Planner discussed the regional ambient air quality monitoring network and data. There was also a review of national and regional ambient air quality standards and trends between 2002 and 2012 for Sulphur Dioxide, Benzene and 1/3 Butadiene.
- Dr Lawrence Loh, Medical Health Officer; Dr Goran Krstic, Human Health Risk Assessment Specialist discussed the potential health risks and effects of Sulphur Dioxide, Benzene and 1/3 Butadiene.
- Metro Vancouver identified additional resources available on their website which included the 2013 "Caring for the Air" Report and real time monitoring data and annual reports. The links are listed in the attached presentation.

Questions about the presentation included:

Q1: Great information. The breakdown you show of sulfur dioxide emissions, are the tankers included under marine vessels or under refinery? Can we assume we're going to have a lot more SO₂ if the twinning of the pipeline goes through?

A1: Tankers are included under marine vessels. New lower limits for sulphur in marine vessel fuels are being introduced, which should offset the increase in vessels so not anticipating a huge increase in SO₂'s.

Q2. Would it be possible or expensive to monitor benzene levels on Capitol Hill?

A2: Chevron was required to conduct a VOC study to determine if the monitoring sites were appropriately sited. Chevron conducted a year long VOC study. The result was that T24 was appropriately located. Monitoring of benzene at the Capitol Hill station (T23) isn't something we feel is required or needed.

Q3. When I'm above the smog I feel like I'm breathing the "good stuff". Is this true?

A3: Depends on where the source of emissions is in relation to your location. There are a lot of variables.

C4: Cap Member: Thanks to all for your presentation. The information shared makes me feel better living next to a refinery.

NEW BUSINESS:

5. Membership Sub-Committee

- Catherine informed CAP that the membership subcommittee would be reactivated as efforts to recruit a new member to replace Bonnie Hayward and perhaps add one or two others. She has heard from Art Quan and Kathy Mezei that they are interested in serving on the committee. If you're interested or if you know others who might like to become CAP members, please contact Catherine. Rob McLean also indicated he would like to volunteer to be on the membership sub-committee.

6. November Cap Meeting Planning – All

- Several CAP members suggested that a shortened version of tonight's presentation would be of interest to the neighbourhood. CAP members suggested that one or two of the presenters could share information at the November public meeting.

7. Announcement – Ray Lord

- Ray Lord announced that he had accepted a new position with Chevron as the Communications Manager for Chevron's Kitimat LNG project, based in Calgary. Ray will be relocating to Calgary in late October. For the past 14 years Ray has managed public affairs for the Burnaby Refinery and overseen CAP. The September CAP meeting was his 67th and while he is excited about his new position he will miss the relationships he has built over the years with CAP and congratulated the group for all the work the time and effort CAP has contributed to promoting an open and constructive dialogue with the local community.

NEXT MEETING:

November 20, 2013

ADJOURNMENT:

Meeting adjourned at 9:00 pm