

**Minutes of the Chevron Burnaby Refinery  
Community Advisory Panel Meeting  
Wednesday, November 19, 2014  
7:00 – 9:00pm  
Confederation Seniors Centre**

**PRESENT**

Maziar Kazemi, Al Mytkowicz, Art Quan, Pat Connell, Rich Baerg, Robert Bowes, Joanne Smith, Helen Ward, Rob MacLean

**Chevron representatives:**

Steve Parker, Chevron, Refinery Manager; Jill Donnelly, Health Environment & Safety Manager; Dave Schick, Policy, Government and Public Affairs Manager; Chris Haswell, Operations Manager; Chad Groves, Team Lead, Technical Services

**Metro Vancouver Representatives:**

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

**Facilitator:**

Catherine Rockandel, Rockandel & Associates

**Regrets:**

Cathy Argue, Kathy Mezei, Eileen Luongo, Michael Coyle

**CAP BUSINESS**

**1. Opening Remarks (See Attachment One)**

- Catherine Rockandel welcomed CAP members and the public to the meeting. She provided an overview of the agenda and invited CAP and Chevron management in attendance to introduce themselves.

**2. Chevron Updates**

**a. General Refinery Operations – Steve Parker, Refinery Manager**

- Steve reported that overall, it has been a good year for the Refinery. We operated safely and reliably. Chevron has seven refineries around the world and we do a lot of sharing – sharing resources, specialists to avoid incidents and people not getting hurt
- Chevron is planning for a significant turnaround at the start of 2015. Detailed planning and peer reviews are key tools towards our goal of completing the turnaround on schedule and without incident. The focus will be on inspecting equipment inside and out, performing routine maintenance as well as modernizing the process units in accordance with our schedule. The Cat cracker, one of the crude units and the SRU are all being taken out of service.

Turnaround is expected to last 48 to 50 days. Half the plant will physically shut down on February 20<sup>th</sup> and the other half will continue to be operational. There will be approximately 500 contractors on site.

- On Monday, November 10<sup>th</sup> some of the pipes that carry Chevron products were exposed. A layer of fill that covers the pipes was washed away due to overflowing culverts further up the hill. The integrity of the pipes was not impacted and there were no products released. Chevron has ensured the slope is stable and is in communication with the City of Burnaby, the Ministry of the Environment, the Oil and Gas Commission and First Nations regarding engineering and implementation of a plan to cover the exposed pipes and ensure the long-term stability of the area. After the initial response and the prime concern was for public safety mostly concerning the poor condition of the walkways within the park. Chevron is working with Burnaby to return the Park area impacted by the slope failure to normal activity as soon as the long-term plans can be implemented.
- In the past week some neighbours became aware of a naphtha odour. Naphtha is a product of the refining process. Although this odour was unpleasant, it was concluded that naphtha levels in the community did not present a health concern. This event was due to an unplanned non-routine release into a containment area. Chevron issued a Level One advisory to regulators. This was also shared with CAP members so they could respond to any questions they might be asked by neighbours.

### **3. Metro Vancouver Update: Larry Avanthay**

#### **a) Overview of MV Update**

Metro Vancouver has the regulatory authority specific to discharge of air emissions and management of non-domestic waste to sewer within the region. The Chevron Burnaby refinery has both an air discharge permit and liquid waste discharge permit that we administer. Both the permits have extensive monitoring and reporting requirements.

Typically our summary at CAP is a snapshot of some of the activities related to the administration of the permits conducted since the last CAP reporting period.

Topics can include:

- Inspections
- Summary of air quality complaints
- Odour surveys
- Response to specific incidents (i.e. Chevron Advisory)
- Miscellaneous regional air quality management initiatives

#### **b) Air Quality Complaints**

Environmental Regulation and Enforcement maintains a 24Hr complaint service. On-call officer 4:00PM to 1130PM week-days. Service on week-ends 0730 to 1130PM– An Off hour answering service takes calls between 11:30 PM to 0730AM and forwards to on-call officer the next morning.

Month	Complaints
<b>Totals 2013</b>	<b>70</b>
<b>January 2014</b>	<b>2</b>
<b>February 2014</b>	<b>1</b>
<b>March 2014</b>	<b>2</b>
<b>April 2014</b>	<b>1</b>
<b>May 2014</b>	<b>5</b>
<b>June 2014</b>	<b>2</b>
<b>July 2014</b>	<b>7</b>
<b>August 2014</b>	<b>6</b>
<b>September 2014</b>	<b>3</b>
<b>October 2014</b>	<b>2*</b>
<b>November 2014</b>	<b>21*</b>
<b>Year to Date 2014</b>	<b>52*</b>

\*Unofficial totals as both October and November complaint totals remain under review and may change.

**c. Odour Surveys**

Date	Activity
November 13, 2014	Neighborhood odour survey followed by site inspection.
November 14, 2014	Neighborhood odour survey followed by site inspection.

**d. Site Inspections**

Date	Activity
<b>Since Last CAP Update (October)</b>	
Thursday, November 13, 2014	Inspection in response to Chevron Level One Information Advisory of odours from hydrocarbon release to impounding basin in Area 2.
Friday, November 14, 2014	Inspection in response to Chevron Level One Information Advisory of odours from hydrocarbon release to impounding basin in Area 2.

**e. Reported WDP Exceedance**

There were no exceedances reported by Chevron during the 3<sup>rd</sup> Qrt reporting period (October 31<sup>st</sup>) for their operations during July/August September for 2014.

**f. Reported Air Quality Discharge Exceedance**

There were no additional one-hour SO<sub>2</sub> or Opacity exceedances to report since the last CAP update in October.

#### **4. 2014 CAP Review: Catherine Rockandel**

- Four regular meetings were held in 2014 including the public meeting in November. In March 2014 Allan Chang, Chevron's Value Chain Optimization Manager provided an overview of Crude by Rail with a focus on the new enhanced rail cars that provide improved safety. The other topics suggested at the 2013 Public meeting included Noise Mitigation and Refining 101: An overview of the Chevron Refinery. The October CAP meeting provided an overview of the monitoring and technical ways that Chevron works to reduce sound emitting from the refinery. CAP decided that a Refining 101 presentation would be appropriate for the 2014 public meeting.
- Thirteen community members now serve on CAP. In 2014 the CAP membership sub-committee identified several new members through a comprehensive process that included interviews.
- CAP Emergency Notification Sub-Committee continued to work with Chevron and the City of Burnaby.

#### **5. Special Presentation (See Attachment Two)**

##### **Refining 101: Chad Groves**

- Chad provided an overview of the refining process.

Comments and questions about the presentation

**Q1:** Where does your crude come from?

A1. The majority of our crude comes from Alberta?

**Q2:** Is the material that comes down the pipe like molasses?

A2: No, it is much lighter than that.

**Q3:** What's at the old Shell refinery now?

A3: It's primarily a storage facility. In the 1980's there were four refineries here and now there's only one (Chevron). Smaller refineries are more expensive to run on a per unit basis than larger ones. When the government introduced new, stricter environmental standards three local refineries closed as these refiners had larger refineries in Alberta.

#### **6. Facilitated Q&A**

CAP and members of the public were invited to ask questions about the updates and presentations.

**Q4:** During the upcoming shutdown is Chevron going to be able to supply the local market?

A4: Ahead of shutdowns we fill up the product tanks as much as we can. One of the benefits of being close to other Chevron operations in California is we can get product from them.

**Q5:** I live on Capital Hill. I don't hear noise but late at night I see this big white cloud. What is it and are you doing something different at night?

A5: What you see are cooling tower plumes; steam. Water courses down the towers to cool off equipment which in turn cools the product. In the process it evaporates and creates the steam plume, which you can see day and night but more so at night.

**Q6:** I am disappointed minutes of October 27<sup>th</sup> CAP meeting weren't on the website prior to this meeting.

A6: They will be posted very soon. We will make sure to get them out in a more timely fashion.

**Q7:** You had a Level 1 Advisory and you sent it to CAP members. Why can't you post it on your website?

A7: We've started something new and are in the process of evaluating and possibly doing it for a broader audience. Feedback has been positive so we're looking into it. We're looking at what the implications would be from a legal perspective. Chevron is supportive but as a private company we can't instruct people on what to do.

**Q8:** You say it may be a legal issue? Are the laws in Canada and the US different? Your Richmond refinery does it.

A8: We would need to look into this further

**Q9:** The public meeting notice was late. Most people had only a week's notice. Can you send it out two to three weeks in advance of meeting?

A9: Yes, we can send it out two to three weeks prior to the meeting

**Q10:** Can you also put an ad in the local paper advertising the meeting?

A10: The public meeting is intended for the refinery's neighbours. We recognize the desire to get meeting notification out earlier and to a broader audience but enhanced communication will focus on the local community. We considered newspapers advertisements but believe they would reach an audience whose interests are unrelated to local community concerns.

## **7. 2015 CAP Topic Planning – Catherine Rockandel**

- The public suggested that CAP consider the following topics for review in 2015:
  - New construction and capital project updates and review. Share what is going on in the plant with the neighbourhood
  - Crude by Rail updates: Are there any changes planned?
  - Fugitive smells and noise
  - Taxation –community benefit from property tax, etc
  - Marine facility operations, carrier frequency
  - Chevron company operations beyond refinery

**ADJOURNMENT:** Meeting adjourned at 9:00 pm