

**Minutes of the Chevron Burnaby Refinery
Community Advisory Panel (CAP)
Thursday, February 23, 2017
6:30pm – 8:30pm
Refinery Office (Boardroom) 355 North Willingdon Avenue**

PRESENT

Al Mytkowicz, Helen Ward, Rob MacLean, Michael Coyle, Davis Vaitkunas, Maziar Kazemi, Kathy Mezei; Rich Baerg, Joanne Smith, Aswinee Rath

Chevron representatives:

Dave Schick, Policy, Government and Public Affairs Manager; Kel Coulson, Policy, Government and Public Affairs Rep; Steven Parker, Refinery Manager; Jill Donnelly, Health, Environment, and Safety Manager; Peter Turner, Operations Manager

Metro Vancouver Representative:

Larry Avanthay, Darrell Wakelin, and Jason Mushtuk, Regulatory Representatives from MetroVancouver

Facilitator:

Catherine Rockandel, Rockandel & Associates

Regrets: Eileen Luongo

Guests: Chris Boys, Health, Safety and Environment Specialist

CAP BUSINESS

1. Opening Remarks

- Catherine Rockandel welcomed CAP members to the first meeting of 2017. She provided an overview of the agenda and led CAP introductions.
- Chevron Staff Updates: Jill Donnelly returned from her Chevron Special Projects posting to the Health, Environment and Safety Portfolio. Pete Turner has presented to CAP in previous years in his capacity as Maintenance Manager and will be joining CAP's meetings regularly as the new Operations Manager. Chris Haswell has rejoined Chevron's Richmond California operations.

2. Chevron Updates

a. General Refinery Operations – Steven Parker

- The Refinery is very proud of its performance in 2016. The balanced scorecard report that focuses on safety, environmental performance, and reliability scored 1,220 in 2016 the highest rating that can be achieved is 1300. Three years in row Chevron has achieved a score card of 1000 points or more. A scorecard of a 1000 is considered a successful year

- In the past twenty-four hours Chevron took the crude unit down to replace a piece of equipment. Neighbours may see some potential increased flaring that is a safety measure. Chevron also briefed Metro Vancouver and the CAP was sent a notification email earlier today.
- On February 4, 2017 Chevron experience a power failure that resulted in a fail-safe shutdown of the refinery. The safe shutdown protocols take all equipment off line and then it is brought back up safely. The power failure was due to BC Hydro weather related events. This is the second lost power incident in the past few months. Chevron met with BC Hydro and Ministry of Energy and Mines to discuss the importance of reliable power to the refinery
- The project team is currently working with interested parties on buying the refinery assets. No decision has been made, but by the next meeting in May it should be worked out whether there will be a buyer.

Comments and questions about the update:

Q1: Is there any other information on the potential sale? Was it an RFP process?

A1: It was an expression of interest process that is being managed by the Investment Bankers, Goldman Sachs. There were a large number of parties interested in the refinery because it is a recognized as a successful business

Q2: Does the sale require government approval?

A2: Yes, the permit, investment, all require regulatory approval once investment is negotiated.

Q3: Is the maintenance event that is happening right now posted on CAP website?

A3: Yes, it is posted

Q4: How does the Kinder Morgan approval affect Chevron?

A4: There are potential implications such as higher costs and the impact of increased in product coming into the Lower Mainland. Chevron doesn't know how these conflicting influences will influence the business or how the market might respond. However, the Burnaby Refinery has demonstrated it can adapt to changing market conditions.

Q5: There is speculation that Kinder Morgan may want to buy refinery.

A5: We have not heard that as of yet.

Q6: Can the refinery expand capacity easily?

A6: The Chevron refinery is not expanding. We have very little physical space to expand and as such serve the niche local markets.

Q7: Why is the Kinder Morgan pipeline expanding?

A7: It is about gaining access to globally export resources from Alberta from Canadian tidewater.

Q8: Someone in the neighbourhood said to me that barges are coming from Cherry Point to be processed.

A8: No we don't have product coming from Washington. Some Product does move back and forth from California - for instance we may bring some gas oil up from California to balance out feeds at refinery. It is a ship not barge. We use tug and barge to distribute to local marine sites and to Vancouver Island. These are products made at the refinery.

Q9: In terms of the score card you mentioned, is there external oversight on that reporting.

A9: Chevron strives to exceed regulatory requirements. The oversight comes from a variety of regulators including Metro Vancouver, BC Safety Authority and audits from external auditors that assess performance as well as conduct operational and procedural reviews all reporting statistics.

Q10: What timeline are the reportable injuries for?

A10: It is in one calendar year.

b. Confederation Park Update – Dave Schick

- Construction will begin in early April with the lines being commissioned and landscaping. The dog trails are open. However, the slope will be fenced off until vegetation can grow this summer. The design is up for an award by the Engineering Association on a recommendation by the Oil and Gas Commission in recognition of the innovative design and high quality installation.
- As we reported the 2018 turnaround will be the biggest ever. We are working with the City to develop increased parking for contractors within our operations. This logistics planning is focused on improving traffic management to ensure refinery activities are within our fence as much as possible. We are working towards minimizing the turnaround's impact on our neighbours.
- The co-process initiative is moving forward. We expect a final decision soon on this initiative to test commercial biogenic feed stocks in addition to crude oil.
- Union bargaining with Unifor is ongoing. The process was slower this time, because the national pattern determination involves Alberta based oil companies and they experienced delays in negotiations due in part to the Fort McMurray fires.

Comments and questions about the presentation:

Q11: In terms of the announcement around the co-processing would we see an announcement in the Burnaby Now by Chevron, the Province?

A11: We have the support of Province but have not talked about a public announcement. The focus is on making it work. These are test runs at this time.

3. Presentation (See Attachment One)

a. Emergency Response Protocols, Regulator Integration with ICS

Kel Coulson presented on Emergency response protocols regulator integration into Incident Command Systems.

Comments and questions about the presentation:

Q12: How does the unified command work? Is there a lead agency then does the unified command take over?

A12: The command is determined by nature of event such as fire on land, versus on water. The ICS pre-establishes the lead agency in incident command based on the type of incident. See slide 6 as reference example

Q13: Are the workshops tabletop exercises? Do they look at knowledge and equipment only?

A13: The last workshop deployed equipment and simulated a real event. The scenarios are live and modified to reflect potential incident developments. These live scenarios are unknown to the drill participants and communicated by participants in another building, to make the scenario as realistic as possible.

Q14: How often do you host these workshops?

A14: Once a year.

Q15: Is the workshop and the drill same thing?

A15: They are different. The workshop improves integration in the context of drill

Q16: Was City of Burnaby there?

A16: Yes.

Q17: Does everyone know their role?

A17: A lot of agencies that come to our drills. They work with other companies and agencies so they are experienced. Chevron realized there was an opportunity to improve integration that is why Chris developed and led a workshop in September specifically focused on understanding the roles and resource capacity of the agencies that support our emergency response efforts.

Q18: From the community perspective if it is emergency who lets us know?

A18: The City of Burnaby police and fire department would notify community in the event of an emergency.

Q19: If there was a huge spill on Hastings street who responds. How do your people get trained?

A19: The City of Burnaby would respond to a spill on Hastings Street. In terms of training Chevron sends its fire staff to a facility in Texas for large-scale real life training. We also have response materials on site such as specialty foam readily available and loaded at the on-site Chevron fire department on site.

Q20: Do you know who owns and controls Western Canada Marine Response Corporation (WCMRC)?

A20: Many Responsible Parties (RPs) such as oil handling facilities, barging companies, and others including, but not limited to, forest industry facilities, fish camps and float plane companies pay for the organization. More information is available: <http://wcmrc.com>

Q21: If the oil companies own it and have staff where is the oversight?

A21: Transport Canada regulates WCMRC provides oversight. The integrated response is getting much more coordinated with specialty vessels, and equipment.

b. SEEP Update (See Attachment Two)

Chris Boys presented a SEEP update for the Foreshore final remedy including:

- In the summer 2017 Chevron will be removing the existing clay barrier and installing a new permanent barrier. The new barrier will consist of clay plus activated carbon.
- The remedial action plan was posted on CAP website Oct 2016. It was accepted by Fisheries and Oceans Canada, the City of Burnaby, and the BC Ministry of Environment. We are working with First Nations and the Port of Vancouver to get a permit for the work.
- The [CAP website](#) includes significant resources on the Area 2 Seep. For example the action plan and fact sheet provide in-depth information or you can read the executive summary and look at the diagrams. They will give you a good idea about what is going on.

Comments and questions about the presentation:

Q22: What is the life span of the final remedy?

A22: It is designed for 30 years and will be there forever. There has been no oil seen since 2011. Small amounts of dissolved phase solution, which is groundwater with dissolved hydrocarbon, have been detected. It will continue for longer than oil.

Q23: What is the depth of the trenches?

A23: About one metre.

Q24: What is the timeline?

A24: We are getting bids from contractors right now with construction in July. The summer is the best time to do construction because low tides are in the daytime. And the site is accessible only during low tide.

Q25: Is there any signage as part of construction?

A25: Yes signs will be posted.

4. CAP Q&A

Other issues that CAP brought forward from the neighbourhood

Q26: There have been concerns about vacuum truck noise. Neighbours recently called the City of Burnaby. They took a reading that registered 65 decibels, which is within acceptable limits. The issue for neighbours is that the noise continued for 8 hours a day for four days. Did the City of Burnaby advise you they took the readings?

A26: No, but if neighbours had contacted Chevron we can review possible mitigations such as moving trucks even if the readings are below what the City of Burnaby's noise bylaw states. If you feel disrupted by the noise please call us and let us know on the Community Line 604-257-4040
<https://bylaws.burnaby.ca/media/Consolidated/7332C.pdf>

C27: There is ongoing confusion in the neighbourhood about steam versus emissions. Community does not know how to tell difference. CAP discussed ways to demonstrate difference and Kel provided a slide that CAP thought was effective for communicating difference. This description will be included in the next Neighbourhood News.

Q28: Around noon on Penzance there seems to be a lot of steam in Area two.

A28: This is water vapor evaporating from the cooling water tower.

Q29: Does Refinery have a twitter or other social media account?

A29: Corporately Chevron has a Twitter account managed from our headquarters in San Ramon. Chevron's Richmond refinery a facility specific account that provides local information. We are also looking at response mechanisms but we have limited capacity.

Q30: How long does this turnaround take next year?

A30: Roughly 6 weeks

5. Metro Vancouver Update – Larry Avanthay

Overview of MV Update

Reporting Period: November 2016 to January 2017

A. Liquid Waste Permit

Date	Activity
2016-12-21	Metro Vancouver audit sampling of wastewater. No exceedance for any of the monitored wastewater parameters.

B. Air Quality Complaints

Month/Year	Complaints	Confirmed	Comments
Total 2015	41		Total complaints identified in Chevron's Odour Management Plan Annual Review submitted March 31 st .
January to October 2016	46	38	
November 2016	4	4	
December 2016	3	3	
Total 2016	53	45	To be confirmed – March 31 st annual report.
January 2017	9	6	Six odour complaints on January 23 rd . MV odour survey confirmed presence of a petroleum type odour beyond plant boundary. Source believed to be related to Chevron marine vessel loading of a heavy gas/oil product. One complaint also related to visible emissions.

C. Odour Surveys

Date	Activity
2016 Total	Eight odour surveys documented for 2016.
Monday January 23, 2017	Odour survey conducted in neighborhood adjacent to Area 1 tank farm.

D. Site Inspections/Meetings

Date	Activity
Wednesday, November 30 th	Witness consultant testing of SRU stack emissions.
Thursday, December 1 st	Site tour of Area 1 Tank Farm including tank seal inspection.
Wednesday February 15, 2017	Witness particulate matter sizing survey on FCC.

6. 2017 Agenda Topics Review

Catherine reviewed the agenda topics generated by CAP and the public at the November meeting.

- Buffer Zone Plan Update
- Air quality related to inversions, SOx reduction and curtailment process. What does the permit say? What is being done?
- Foreshore remediation plan and site visit (Summer 2017)
- Vacuum trucks near fence in area one
- Emergency response protocols, coordination between regulators, marine response
- Trades employment at refinery and types of trades activity in turnarounds
- City of Burnaby, Fire Chief presentation on notification and response
- Implications of Kinder Morgan expansion on refinery

CAP indicated that a presentation by the Assistant Fire Chief would be of interest for May meeting. No other presentation topics were generated at this time.

7. Next Meeting

May 10, 2017 6:30 – 8:30

ADJOURNMENT: Meeting adjourned at 8:25 pm