

# Minutes of Chevron Burnaby Refinery Community Advisory Panel Meeting

Thursday, September 15, 2011

7 – 9 pm at the Confederation Seniors Centre

## **PRESENT**

Pat Connolly, Rob Firkins, Bonnie Hayward, Maziar Kazemi, Ian Lacoursiere, Eileen Luongo, Rob Mclean, Al Mytkowicz and Art Quan

## **Chevron representatives:**

Jill Donnelly, Health Environment & Safety Manager; Jim Gable, Refinery Manager; Ray Lord, Public & Govt. Affairs Manager

## **Metro Vancouver Representatives:**

Larry Avanthay, Regulatory representative for Metro Vancouver

## **Facilitator:**

Kim Barbero, Carah Worldwide Consulting, Inc.

## **REGRETS**

Kathy Curran, Eileen Luongo and Kathy Mezei

## **CAP BUSINESS**

### **1. Opening Remarks**

- Kim Barbero welcomed new member Rob Firkins and other CAP members in attendance.
- A roundtable introduction was made for Rob's benefit.
- Further to the request from Kathy Mezei following the last meeting, Kim clarified for the minutes that Kathy had recommended that CAP invite SFU's Peter Anderson to make a presentation related to crisis management and communications, not that she had invited him to do so already.

### **2. Chevron Updates**

#### **a. General Refinery Operations**

- As part of his regular update, Jim Gable reported that refinery operations had been steady and stable throughout the summer. He also noted that on July 21 a Level 1 regulatory advisory was issued due to potential elevated flaring related to maintenance work needed to correct a mechanical issue.

- Jim reported that crude supply continues to be an issue due to a lack of pipeline capacity.
- Chevron continues the dredging project near the Area 1 wharf to ensure adequate depth to accommodate newer, double-hull vessels at the facility.
- Preparations are now well underway for the major fall 2011 maintenance turnaround scheduled to begin around October 14<sup>th</sup>.
- Further to the June meeting, Jim said it was his understanding that the investigation into the June 2<sup>nd</sup> 2011 incident and fatalities at the Chevron Refinery in Pembroke Wales is still underway. He re-iterated Chevron's concern for all those affected and assured CAP that Chevron will learn from the investigation's findings when they are released.

#### **b. Emergency Notification**

- Ray Lord reported that research into emergency notification options has been an ongoing focus since the June meeting. Ray updated CAP on recent discussions with the City of Burnaby and provided an overview of the systems currently in place in El Segundo, California, (where a Chevron refinery operates), Richmond B.C. and the North Shore. The suppliers for each system, how the respective systems were introduced, their approach to emergency notification and levels of initial capital investment, were shared. Ray re-iterated Chevron's interest in potentially funding a pilot program in the North Burnaby neighbourhood area surrounding the Burnaby refinery and the possible benefits of leveraging the program as part of a phased introduction in the City of Burnaby. Additional information on the emergency notification systems noted above can be found at:

City of El Segundo, California's Emergency Notification System Portal:

[https://ww2.everbridge.net/citizen/EverbridgeGateway.action?body=home&gis\\_alias\\_id=330761](https://ww2.everbridge.net/citizen/EverbridgeGateway.action?body=home&gis_alias_id=330761)

Emergency Notification System Technology Vendor being used by Richmond, B.C.

<http://www.avtex.com>

#### **c. Area 2 seep**

- For the benefit of newer CAP members, Jill Donnelly provided some general background on the seep and an update on the most recent and upcoming activities, which include:
  - installation of an oleophilic absorbent mat system at the beach to capture material
  - submission of an interim mitigation measures field work summary report to the Ministry of Environment
  - a site tour by Ministry of Environment officials on Sept 26 to review progress has been scheduled
- Jill also reported that although the mat system continues to effectively work as designed, absorbent and containment booms remain in place at the beach site as a precautionary measure during inclement weather; a pumping trench at the railway returning water to the facility for testing resulted in minimal hydrocarbon levels during the summer; wells at the

facility continue to pump contaminated water and return it to the refinery; and additional wells to the east of the original pumping wells are now in operation to further prevent any offsite migration from the refinery property.

Questions about the seep included:

**Q1: Is Chevron monitoring the volume of Hydrocarbon from the wells?**

A1: Estimates were recorded in January and April and Chevron is now gathering additional information so it can assess the effects of the pumping wells. The volume of hydrocarbon retrieved between January – April has decreased.

**Q2: Has the sewer bypass been constructed?**

A2: Yes. A buried sewer system in the refinery has been taken out of service and bypassed with an above-ground sewer line.

**Q3: Is data analysis conducted in-house or through a consultant?**

A3: Data analysis is underway by a consultant. Both Chevron and the Ministry of Environment also review the information.

- Ray reminded CAP that bi-weekly status reports pertaining to the seep management are posted on the CAP Web site every two weeks at:  
<http://www.chevroncap.com/files/current-issues.php>

**d. Site Remediation Update**

- Jill shared the site Remediation Update with CAP. Refer to Attachment 1.

**3. Metro Vancouver Updates**

- Larry Avanthay reported that an analysis of Inhalable Particulate Matter (PM10) data collected at the North Burnaby ambient air monitoring station (T24) was recently completed. The data covered an 11 month period (June 2010 to April 2011). The analysis concluded there were no exceedances of any Metro Vancouver, Provincial or Federal PM10 objectives or standards. In addition, the Burnaby North site has very similar PM10 concentrations as other monitoring stations in the Lower Fraser Valley. The PM10 monitor at T24 will remain in service for the time being as a review of PM10/PM2.5 monitoring is being undertaken. Refer to Attachment 2, PM10 – T24 Memorandum.
- Larry encouraged CAP to reference the annual Lower Fraser Valley Ambient Air Quality Reports that provide an overview of the monitoring stations, air quality contaminants monitored and discussion regarding regional air quality. The reports can be found at:  
<http://www.metrovancouver.org/services/air/monitoring/Pages/default.aspx>
- The Draft Integrated Air Quality and Greenhouse Gas Management Plan has been deferred by Environment and Energy Committee as committee members were hearing from their

municipalities that they required additional time to review and comment on document. The document will go to Committee again on October 11<sup>th</sup> and if approved will go to Board for final consideration.

#### **4. Odour Management Plan (OMP)**

- Further to the June meeting and in response to questions from CAP members forwarded prior this meeting, Jill Donnelly and Larry Avanthay presented an overview of the OMP and the process for monitoring and responding to odour complaints. Refer to Attachments 3 and 4.
- Jill reported that the final OMP, a permit requirement that was formally approved in May 2010, was developed with an environmental consultant as a tool that can help provide a systematic and integrated process for identifying, evaluating and assessing odour.
- Jill explained that Chevron conducts an annual review of the findings, including performance, trends and recommendations which is then submitted to Metro Vancouver. A review of the 2010 data showed an identifiable trend involving an odour related to the municipal sewer along Penzance Drive and the refinery treated effluent discharge; as a direct result of this review the Refinery has instituted measures to improve bleach injection to the Refinery's treated effluent water discharge prior to leaving the refinery, using an engineered injection system.
- Larry Avanthay explained the rationale for including an odour management plan in the last permit amendment and the process to respond to odour complaints received by Metro Vancouver. Feedback from the community was considered a critical element in assessing the overall success of the OMP. Metro Vancouver maintains its own complaint records, as does Chevron, and can generate a record of number of complaints for members of the public who request this information.
- Jill Donnelly reported that there were 23 odour complaints to Chevron from May – December 2010, 15 of which were from a localized area. During 2010, 31 complaints in total were received by Chevron and/or Metro Vancouver. The previous two years saw 37 and 44 odour complaints registered respectively.
- There was an interest expressed in determining quantitative success measures that demonstrate that the OMP is meeting its objectives from a community perspective. Of particular interest is whether or not the plan has been successful in minimizing the frequency of complaints, reducing the time it takes to resolve complaints and assessing the severity of the odours reported. Chevron agreed to give consideration to the suggestion of a methodology that quantifies the results.
- Jill Donnelly emphasized to CAP that the primary goal of the OMP is to minimize the impact of odours. In addition to the annual reviews with Metro Vancouver, Jill explained that odour tours are conducted by MV officials and Chevron.

#### **5. Refinery Flaring**

- Due to time constraints, CAP agreed that Chevron's presentation and update on refinery flaring should be postponed to a 2012 meeting of CAP.

## **6. Annual CAP Neighbourhood Meeting – November 24, 2011**

- Ray Lord presented to CAP the format for last year's first annual neighbourhood meeting. Those who were present last year agreed that the evening was a success, albeit winter conditions likely prevented a larger turnout.
- Following a brainstorm about the agenda for the evening, the group settled on the following agenda outline:
  - Brief history and overview of refinery operations
  - Metro Vancouver update
  - 2011 CAP Overview/Topics/Priorities
  - 15 minute coffee break
  - Q & A session
  - 2012 CAP agenda topic planning
- CAP members agreed that this is a neighbourhood event that is not open to media or political representatives who do not reside or represent an area within CAP's geographical boundaries.
- Ray reported that promotion of the neighbourhood meeting will be conducted via the Chevron Web site, the Fall 2011 Refinery Neighbourhood Newsletter and flyers posted at local schools and public facilities.

### **NEXT MEETING**

- Second Annual Neighbourhood Meeting, Thursday, November 24, 2011

### **ADJOURNMENT**

- The meeting adjourned at 9 pm.