

Chevron Refinery & Tank Farm Odour Management Plan (OMP)

CAP Meeting September 15, 2011



**metro
vancouver**

Permit Amendment

Requirement of Chevron Air Quality Bylaw Permit GVA0117 (*May 2008 Permit Amendment*)

The permittee shall develop an Odour Management Plan, which includes incident based monitoring. The terms of reference for the plan shall be submitted on or before June 1, 2008 for approval by the District Director. The terms of reference shall include a timeframe for development and implementation of the plan.



Why an Odour Management Plan

The rationale for OMP development :

- Source of public air quality complaints typically related to odours
- Recommendation of in-house technical review of *“Monitoring Emissions from Burnaby’s Refining Facilities (January 2007)”* in response to requests from community members to have Metro Vancouver require fence-line monitoring at facility
- Address short-term episodic events that would not be captured by existing ambient air monitoring stations
- OMP is a recognized methodology for establishing a systematic, integrated process for identifying, evaluating and monitoring odour



Terms of Reference

Chevron to consult with an environmental consulting firm with specialized experience in industrial odour management to develop OMP

- Identify sources of odour at the facility together with the engineered controls and/or best management practices
- Review and document protocol for odour complaint response
- Develop a localized ambient air monitoring protocol for responding to episodic odour events



Monitoring Progress - Chevron

TOR include stipulation that Chevron conduct **annual review** and submit report to the district director that includes:

- Evaluate overall system performance and identify any trends to provide an opportunity for improvements to the plan
- Update review of odour management plans and control strategies in use elsewhere that could be applicable at Burnaby facility
- Make recommendations for improvements to the plan



Monitoring Progress – Metro Vancouver

Activities to monitor progress and OMP effectiveness include:

- Respond to public air quality complaints - review findings and resolution with Chevron
- Conduct routine odour surveys in the community
- Review of self-monitoring reports includes tank seal inspection reports and annual Chevron OMP evaluation
- Feedback from the community

