

# Burnaby Refinery Odour Management Plan (OMP)



CAP Presentation, September 15, 2011

# Odour Management Plan



## Objective

- The primary goal of the OMP is to minimize the impact of odours from refinery operations on the local community



# Odour Management Plan



## Progress

- Terms of reference were submitted to Metro Vancouver (MV) and introduction to CAP in June 2008
- First draft completed in late 2008
  - Envirochem Consultants assisted in the development of the plan with technical expertise in odour science and data analyses
- MV changes incorporated into revised plan in 2009
- Plan approved by MV in May of 2010
  - The OMP is a part of Chevron's Air Permit GVA0117, issued by Metro Vancouver.



# Odour Management Plan



## What's Included?

- Source control (eg. 2ndary tank seals, VRUs, odour filters...)
- Prevention (eg. LDAR, pre-job planning, training...)
- Odour Neutralization
- Mitigation (eg. response to individual complaints, trend analyses...)
- Response to an episodic odour event
- Reporting (eg. annual review to MV, monthly complaint summary...)



# Odour Management Plan



## Annual Review of 2010 Data

- Included two members of CAP (Community Advisory Panel)
- Trend analysis was conducted for complaint data – type, location



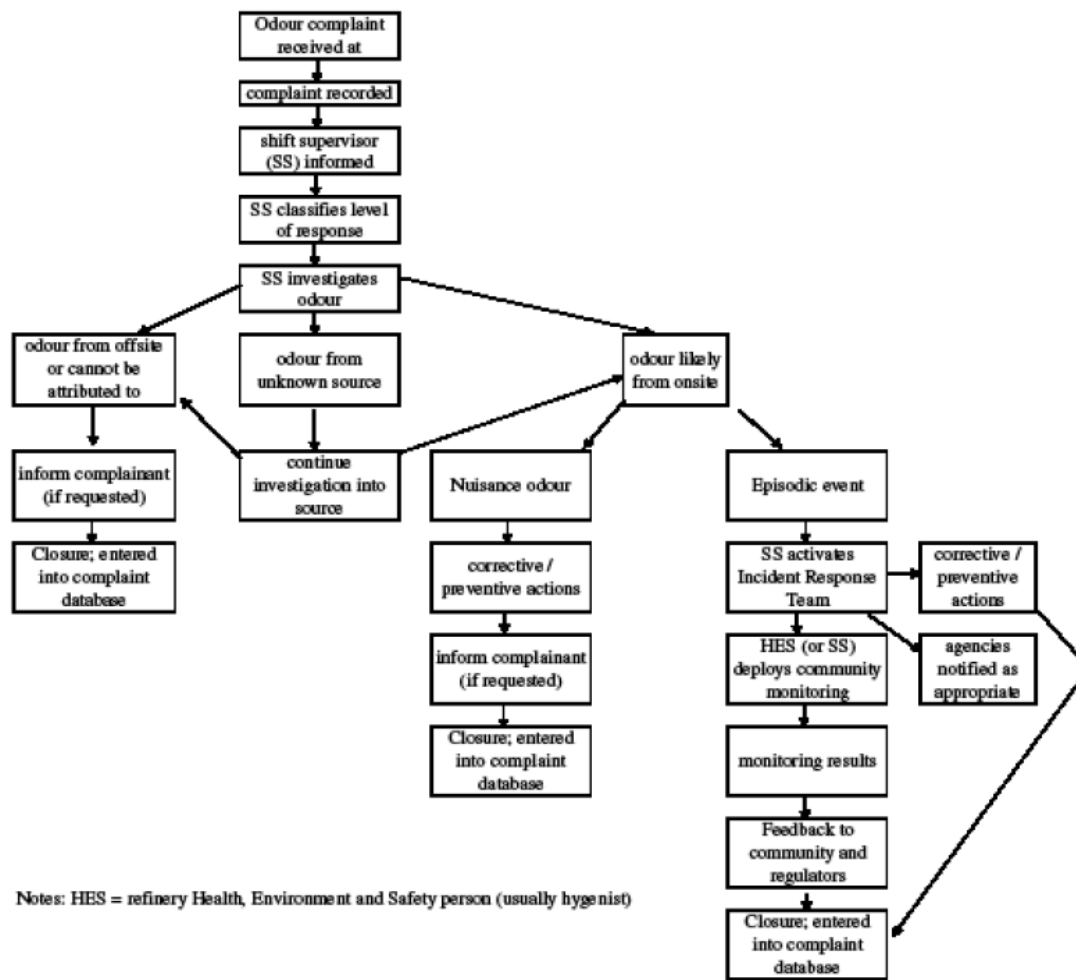
## Results:

- showed sewer odour near Penzance to be the predominant type of complaint
- a project has been resourced to improve the reliability and effectiveness of bleach injection into treated refinery effluent water

# Odour Management Plan



Figure 4: Odour Response Procedure Overview



Notes: HES = refinery Health, Environment and Safety person (usually hygienist)



## Measures of Success

- Annual review of OMP and data – submitted to MV
- Odour tours – MV and Chevron
- Training
- Number of complaints