TOWN HALL MEETING
IN THE CITY OF PARAMOUNT

Monday, December 12, 2016
Monitoring and Analysis Update
Sampling Hexavalent Chromium

• Portable sampler
  – First time any agency has used this technique for hexavalent chromium measurements
  – Hexavalent Chromium collected on filter

• Sample Collection
  – Typically measurements taken every three days
    • One day to sample, one day to collect samplers and recharge them, and one day to redeploy sampler.
    • Follows a schedule that is the same as other air toxics measurements in the nation
  – Collected continuously for a total time of 24 hours
  – Midnight to Midnight
Laboratory Analysis of Hexavalent Chromium

- Challenging to measure hexavalent chromium in air
  - Roughly equal to measuring mass of a human cell in a cubic meter of air

- Analysis conducted at SCAQMD Laboratory
  - Hexavalent chromium washed off filter into a container and analyzed
  - Based on established method from U.S. EPA

- Results posted on SCAQMD website:
  - http://www.aqmd.gov/home/regulations/compliance/air-monitoring-activities
Summary of Results
October 15th – December 2nd

- Over 10 ng/m$^3$
- Between 5 to 10 ng/m$^3$
- Between 1 and 5 ng/m$^3$
- Less than 1 ng/m$^3$
Potential Sources

- Over 10 ng/m$^3$
- Between 5 to 10 ng/m$^3$
- Between 1 and 5 ng/m$^3$
- Less than 1 ng/m$^3$

Typical Wind Direction
Summary of Results
Thanksgiving Day

- Over 10 ng/m$^3$
- Between 5 to 10 ng/m$^3$
- Between 1 and 5 ng/m$^3$
- Less than 1 ng/m$^3$

Businesses were checked to see if they were operating
Only Aerocraft was observed operating this day
Hexavalent Chromium Results from Air Samples

- Site #8 (Near Aerocraft)
- Site #15 (Near Anaplex)
- Site #16 (Upwind)
Source Test Screening Overview

Heated Tank

Water Quenching Tank
Next Steps

- Increasing monitoring area
- Measuring near large forging facilities
- Follow up with on site measurements
- Work with California Air Resources Board to do some measurements at nearby schools