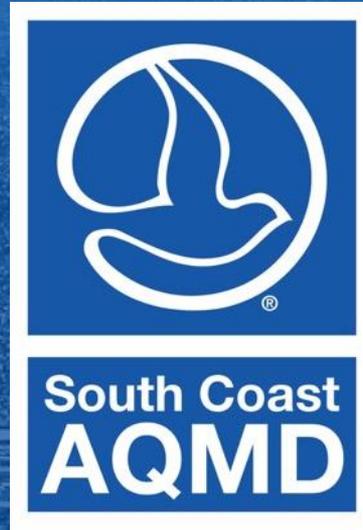


Compton Town Hall Meeting June 1, 2017

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



Bayron Gilchrist
Acting Deputy Executive Officer
Enforcement & Compliance

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



Who is SCAQMD?

The South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. This area of 10,743 square miles is home to over 16.8 million people.

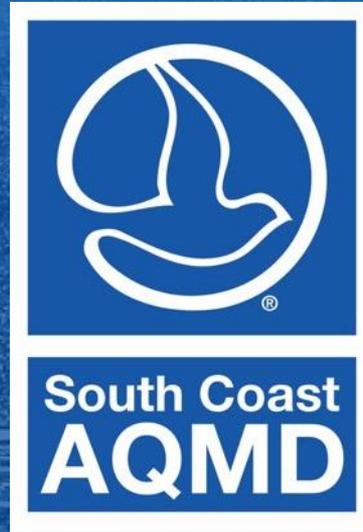
Air pollution affects our health. Because this area's smog problem is so severe, SCAQMD is often at the forefront of efforts to control pollution.

Key SCAQMD Activities

- Develops and adopts:
 - **Air Quality Management Plan**, the blueprint for achieving compliance with federal and state clean air standards
 - Air quality **rules and regulations** designed to reduce emissions from various sources
- Issues **permits** to many businesses and industries to ensure compliance with air quality rules
- Conducts periodic **inspections** to ensure compliance with air quality requirements
- Responds to **air quality complaints** from the public
- Conducts ambient air quality **monitoring** including special studies







PARAMOUNT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Overview

- Background on SCAQMD's efforts in Paramount
- Why SCAQMD is focusing on Compton



About Paramount

- Residents reported metallic odors
- Monitoring began in response to community concerns
- Elevated levels south of Alondra ($< 4 \text{ ng/m}^3$)
 - Conducted multi-agency task force inspections
 - Assessing potential source(s)



Hexavalent Chrome (Cr6)

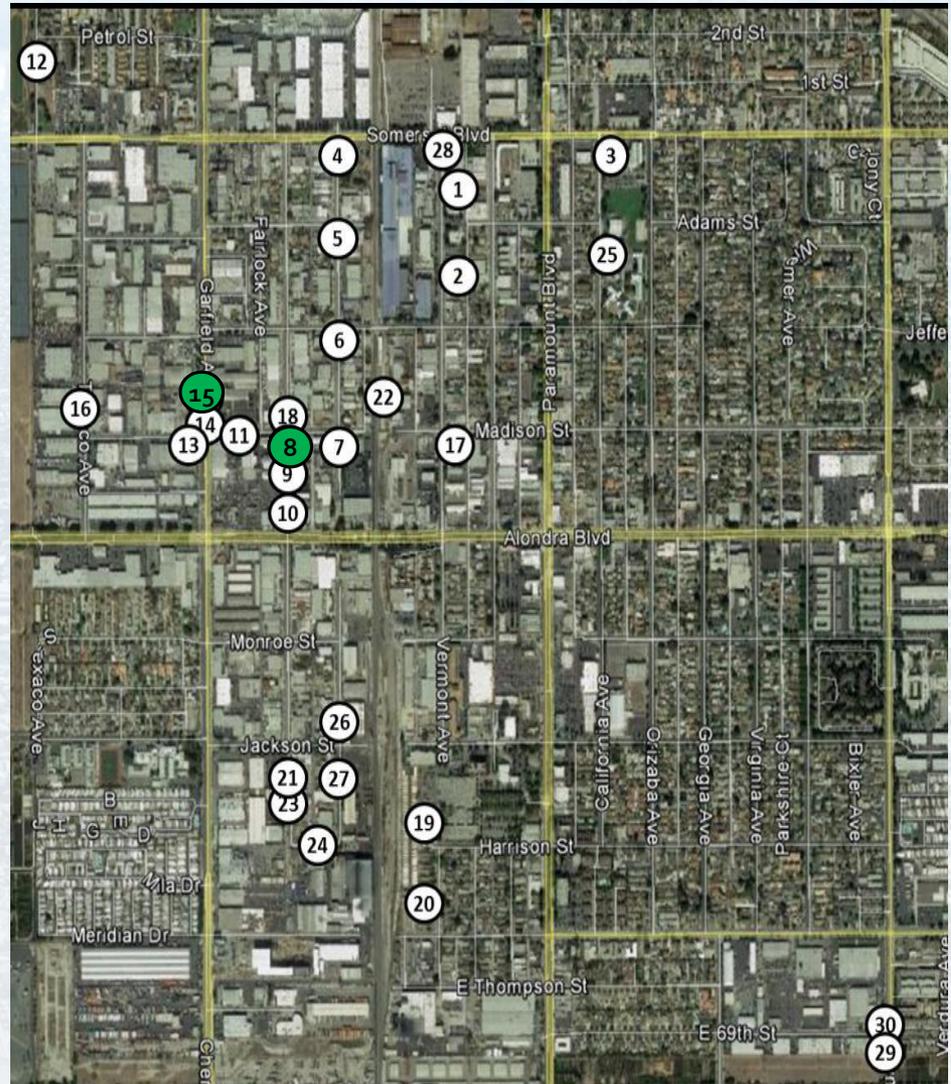
Health Effects

- Known to cause cancer in humans, classified by:
 - U.S. Environmental Protection Agency (U.S. EPA)
 - International Agency for Research on Cancer (IARC)
- Breathing Cr6 for years to decades can increase risk of lung and nose cancers
- Can cause effects at very low levels, with repeated exposure over a long time

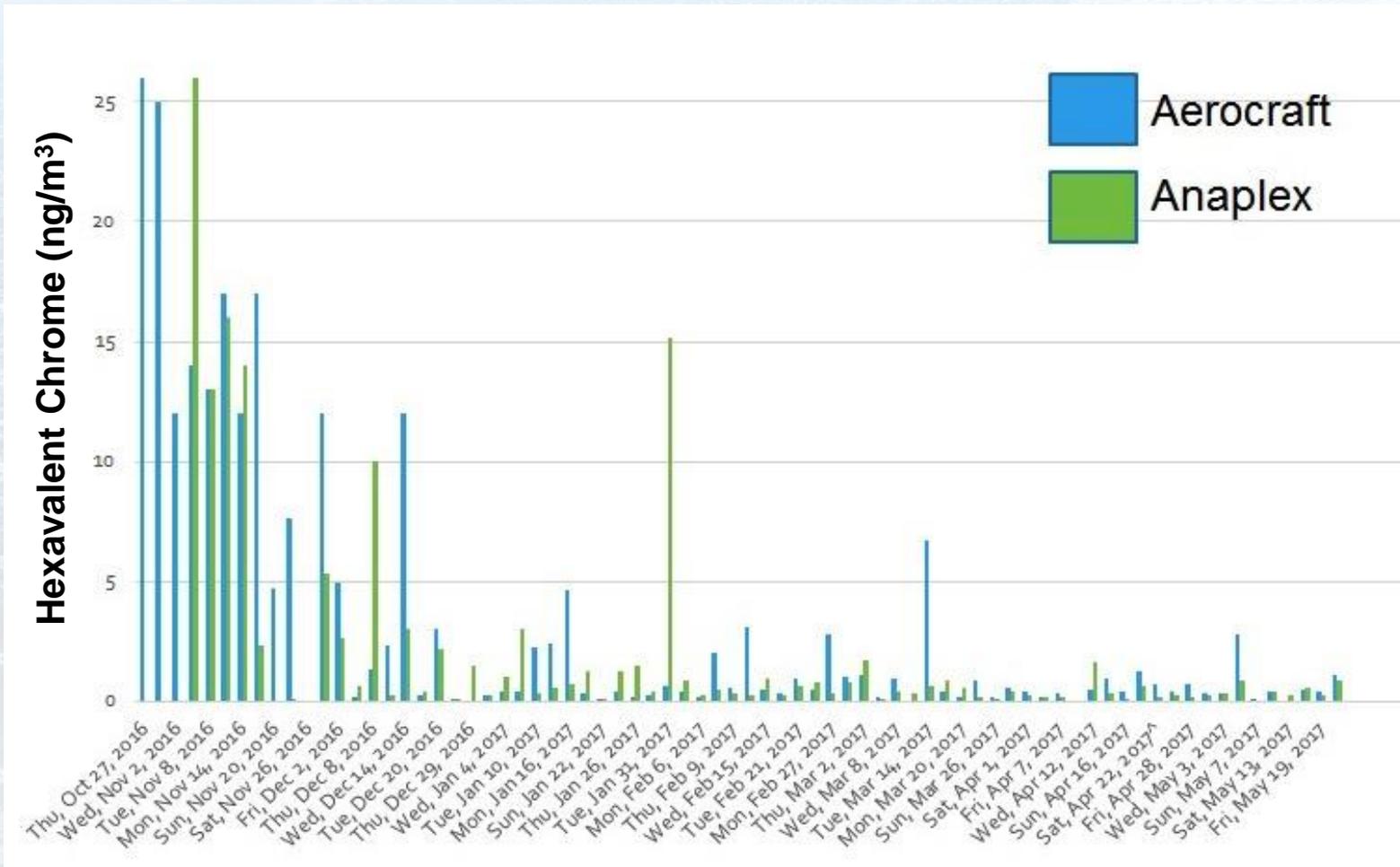
Paramount Expanded Monitoring

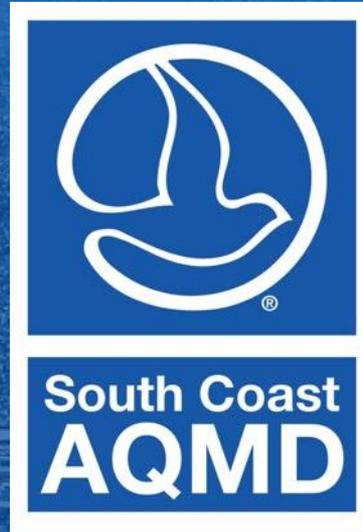
- Beginning October 2016
 - Started with six monitors
 - Found elevated levels of hexavalent chrome
 - High chrome levels have been identified at two (2) facilities in Paramount

- **8** *Aerocraft*
- **15** *Anaplex*



Hexavalent Chrome Levels Near Anaplex and Aerocraft





Kurt Wiese
General Counsel

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Community Air Toxics Initiative

- Identify potential high-risk toxic facilities
- Prioritize facilities
- Take action to immediately reduce emissions



Identification of Facilities

- Identification of chrome plating and anodizing facilities based on:
 - Close to schools, day care centers, hospitals, nursing homes, residences
 - Site Inspections
- Clustering of possible emitters of hexavalent chrome

Chrome Plating and Anodizing Facilities in the Compton Area

Facility	Address
AAA Plating & Inspection Inc	410 & 424 Dixon St
Alloy Processing	1900 W Walnut
Barken's Hardchrome, Inc	239 E Greenleaf Blvd
Bowman Plating Co Inc	2631 E 126th St, Unincorporated Los Angeles County
E.M.E. Inc/Electro Machine & Engineering	431 E Oaks St, Unincorporated Los Angeles County
Morrell's Electro Plating, Inc	432 E Euclid Ave
S & K Plating Inc	2727 N Compton Ave
Triumph Processing, Inc.	2588 Industry Way, Lynwood

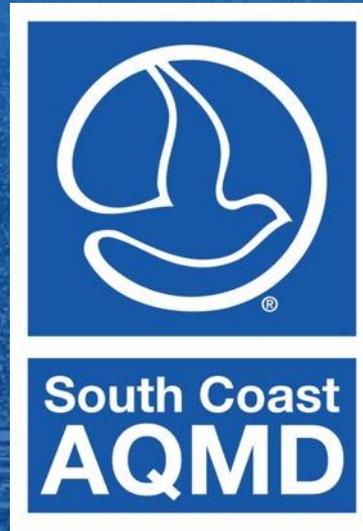
Map of Compton Area Facilities



Next Steps and Timeline

- Place monitors near two facilities
- Gather data from the monitors
- Take enforcement action to reduce emissions, if necessary
- Report back to the community
- SCAQMD will post results on our website at AQMD.gov





Dr. Jason Low
Assistant Deputy Executive Officer
Science & Technology Advancement

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Hexavalent Chrome

- Sources of hexavalent chrome
 - Electroplating, such as chrome plating and anodizing operations
 - Spraying operations using chromate based primers and coatings
 - Welding and cutting with metals containing chrome
 - High heat processes (new findings)

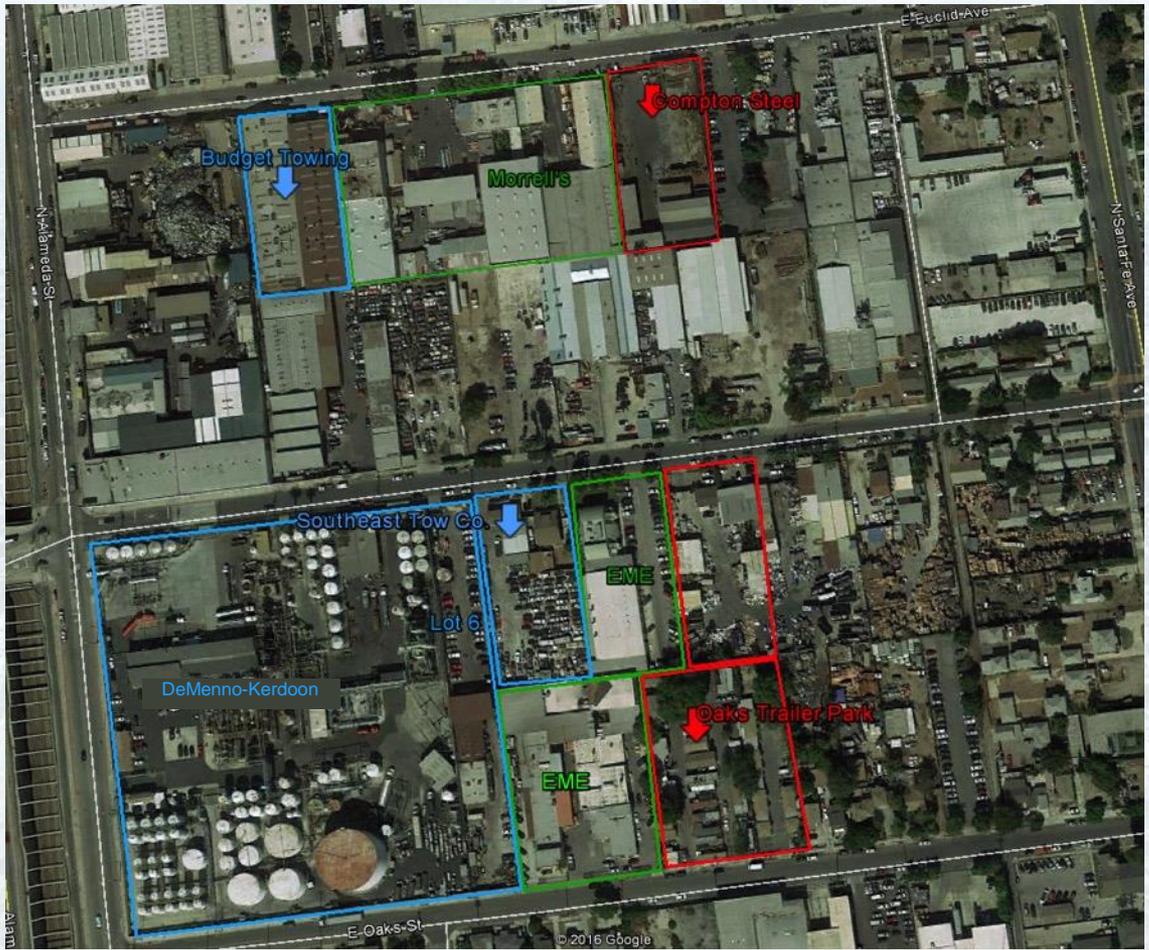


Hexavalent Chrome Monitoring in Compton

- **Sampling to begin in June, 2017**
 - EME Inc.
 - Morrell's Electro Plating Inc.
- **Monitoring will also be conducted near other potential sources of hexavalent chrome**
 - Systematic approach to maximize monitoring efforts to identify sources
- **Sampling and analysis**
 - Same monitoring techniques used for hexavalent chrome measurements in Paramount
 - 24-hour samples, collected once every three days
 - Analysis of hexavalent chrome in air is challenging and is conducted at SCAQMD laboratory
 - Finalized results will be made public



Monitoring Areas



An aerial photograph of a city, likely Los Angeles, showing a dense urban area with a prominent highway interchange in the foreground. In the background, a range of mountains is visible under a clear sky. A semi-transparent white rectangular box is centered over the city, containing the text "Questions & Answers" in a bold, black, sans-serif font.

Questions & Answers



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT