TOWN HALL MEETING

IN THE CITY OF PARAMOUNT

Wednesday, November 9, 2016

Progress Plaza West Community Center, Paramount CA

South Coast AQMD

Agenda

- Welcome and Opening Remarks
- Background
  - SCAQMD Activities in Paramount
  - What is Hexavalent Chromium
  - Previous SCAQMD Sampling Efforts
- Recent Air Monitoring Findings
- Immediate Efforts and Moving Forward
- Next Steps
- General Discussion (Questions and Answers)
- Wrap-up

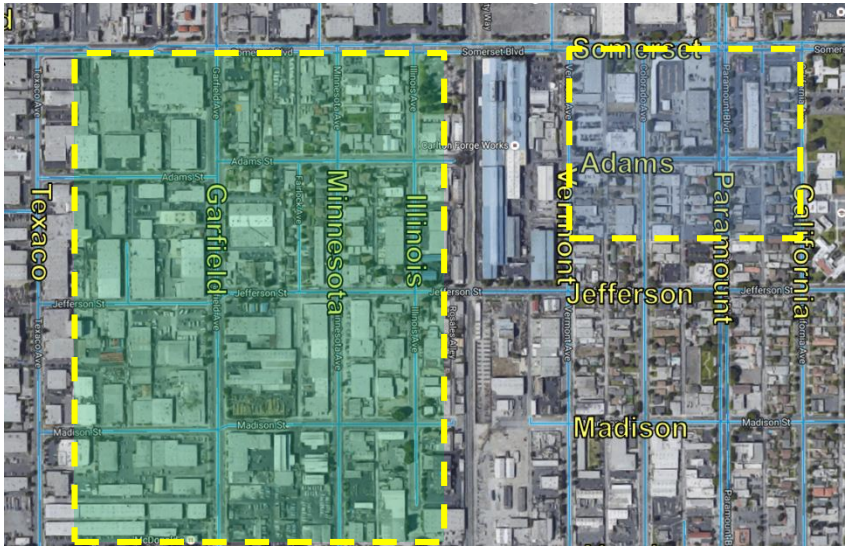
Background

January 23, 2014 Town Hall Meeting

- SCAQMD received odor complaints in 2012
- Began air monitoring on Vermont and California in 2013 for multiple toxic metals
- Nickel and hexavalent chromium were metals of concern
- Carlton Forge Works voluntarily implemented controls - Monitored levels of nickel decreased

August 16, 2016 Town Hall Meeting

- Monitored levels of hexavalent chromium increased in 2016
- Source of hexavalent chromium was uncertain
- SCAQMD staff committed to expanded monitoring to identify the source(s) of hexavalent chromium in Paramount



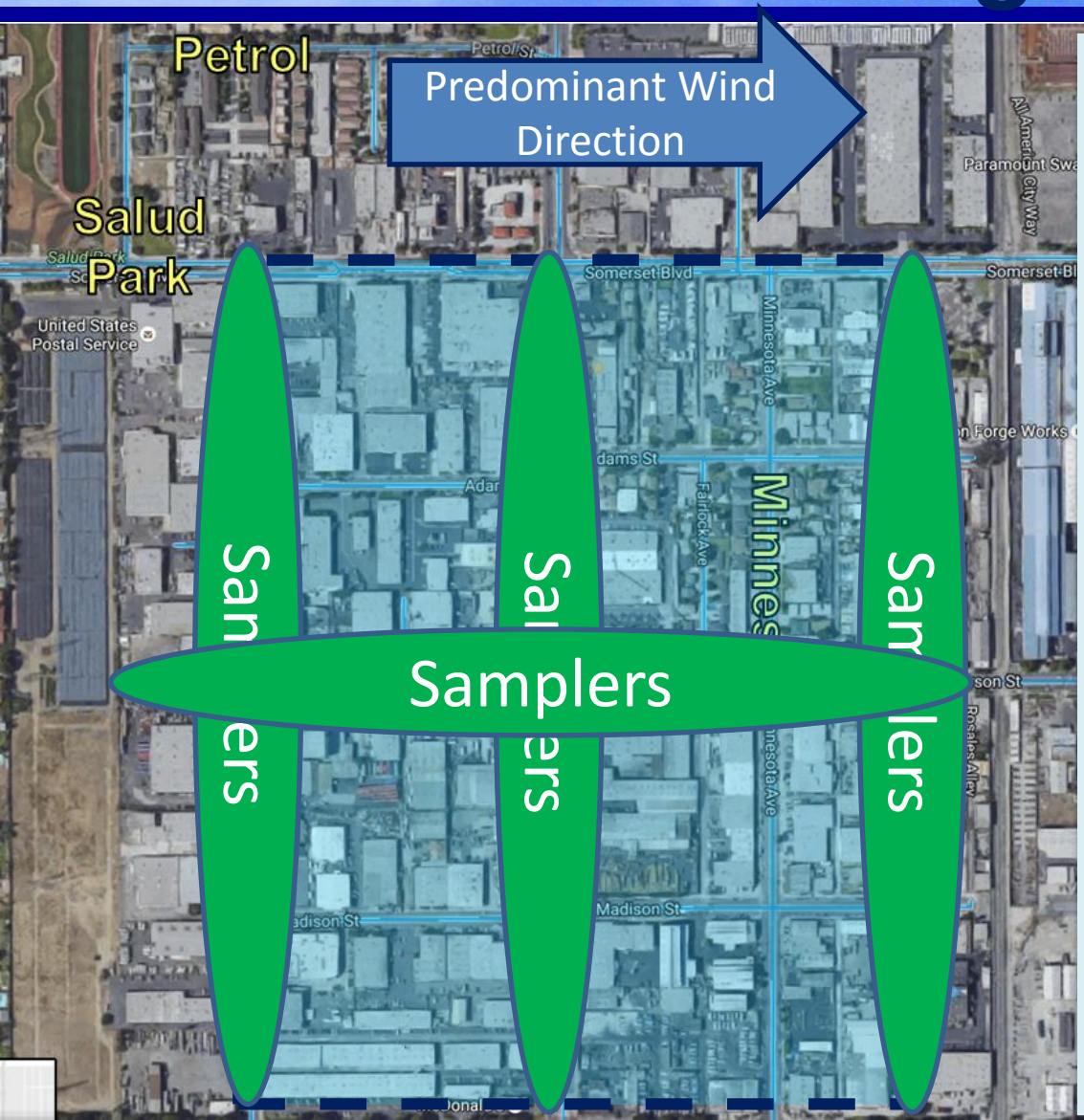
Typical Sources of Hexavalent Chromium

- Electroplating, such as chrome plating and anodizing operations
- Spraying operations using chromate based primers and coatings
- High heat processes with metals containing chromium - oxidation of chromium to hexavalent chromium
- Stainless steel production
- Welding and cutting metals containing chromium
- Leather tanning, textile manufacturing, and wood preservation

Health Effects of Hexavalent Chromium

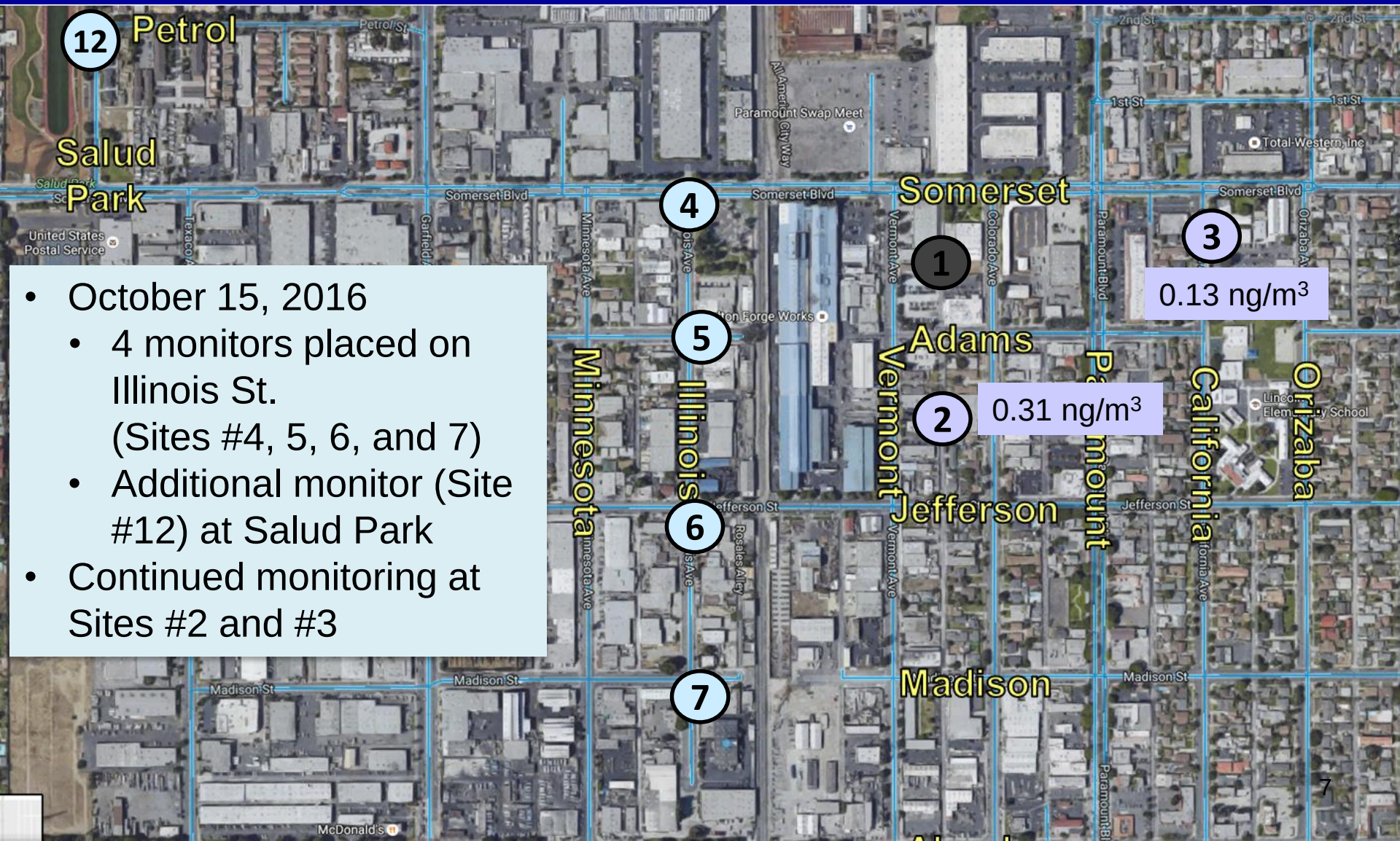
- Hexavalent chromium is a toxic air contaminant that is a potent carcinogen
- Long-term inhalation of hexavalent chromium can increase the chance or probability of developing cancer, e.g. lung cancer
- Initial results from Expanded Monitoring, too few samples to estimate the cancer risk

SCAQMD's Recent Expanded Monitoring Effort



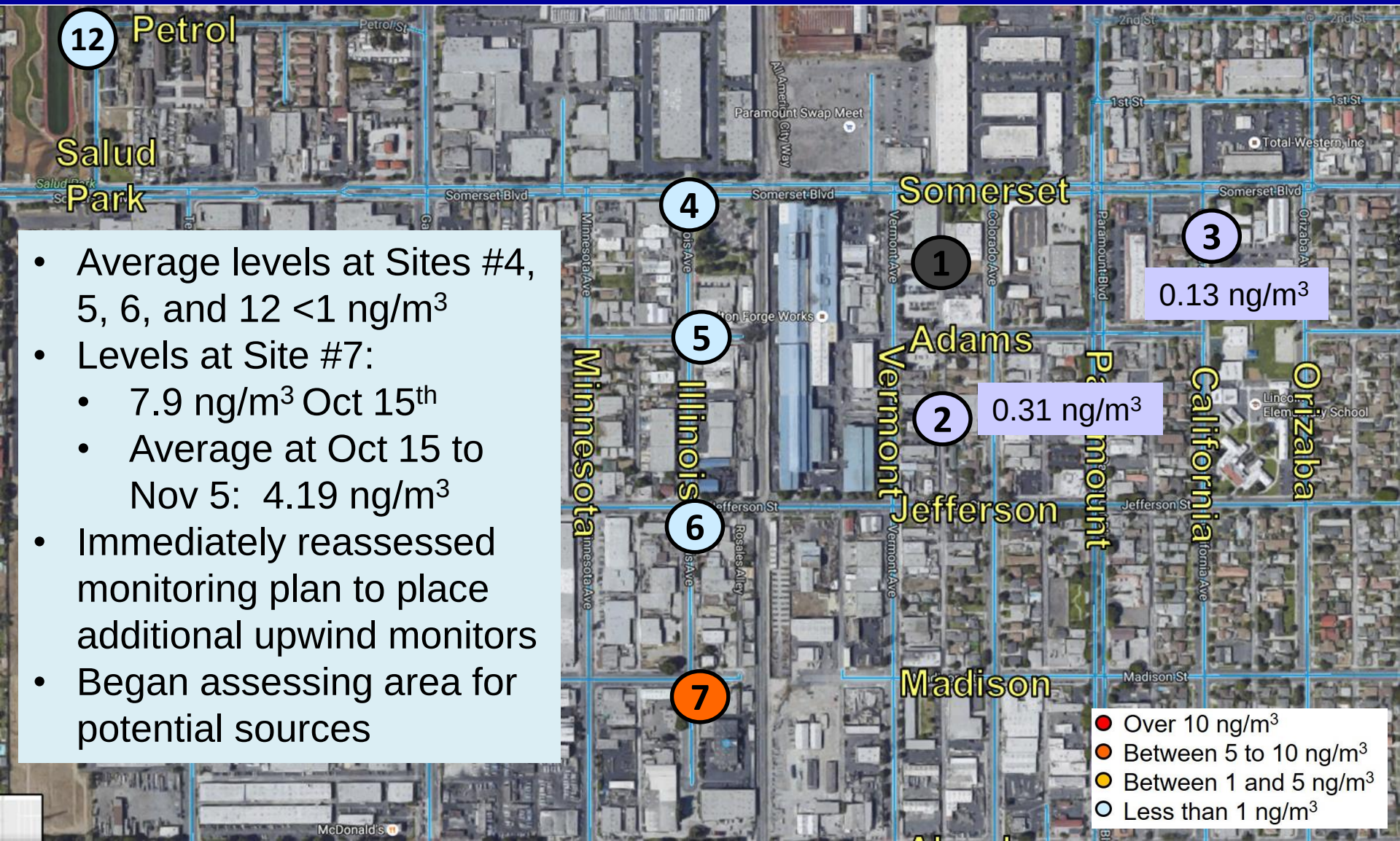
- August 2016 Town Hall Meeting SCAQMD committed to a more expansive monitoring effort to identify source of hexavalent chromium
- Paramount City Community Ambient Air Measurement Plan
- **Primary objectives:**
  - Systematically assess levels of hexavalent chromium in industrialized area of Paramount
  - Identify areas that potentially would need follow up investigation
  - Flexibility to adjust monitoring pending results
- Expanded monitoring started on October 15, 2016 along Illinois, upwind of Carlton Forge Works

Monitoring October 15, 2106



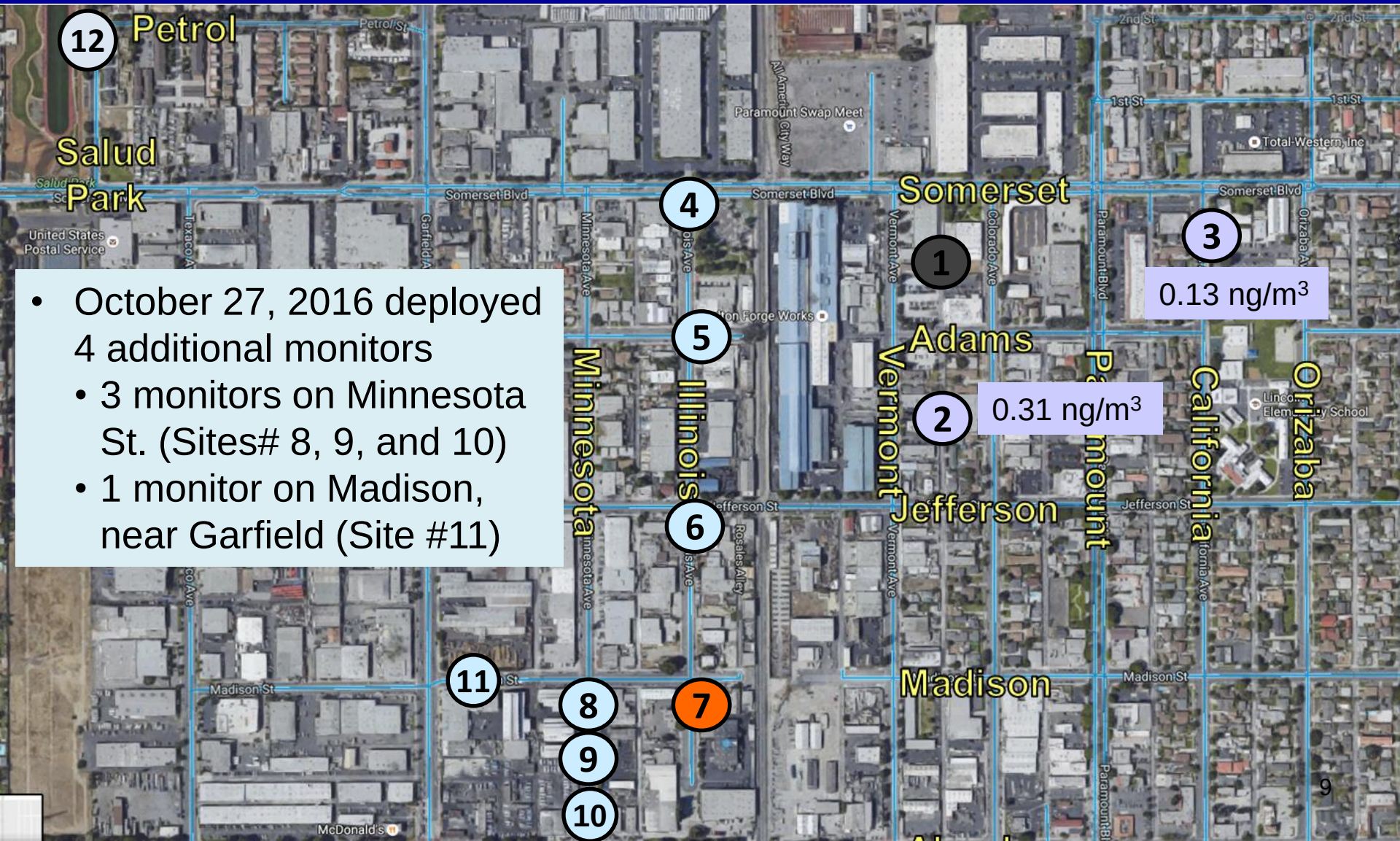
- October 15, 2016
  - 4 monitors placed on Illinois St. (Sites #4, 5, 6, and 7)
  - Additional monitor (Site #12) at Salud Park
- Continued monitoring at Sites #2 and #3

Results for Sites #4, 5, 6, 7 and 12



- Average levels at Sites #4, 5, 6, and 12 <1 ng/m^3
- Levels at Site #7:
  - 7.9 ng/m^3 Oct 15th
  - Average at Oct 15 to Nov 5: 4.19 ng/m^3
- Immediately reassessed monitoring plan to place additional upwind monitors
- Began assessing area for potential sources

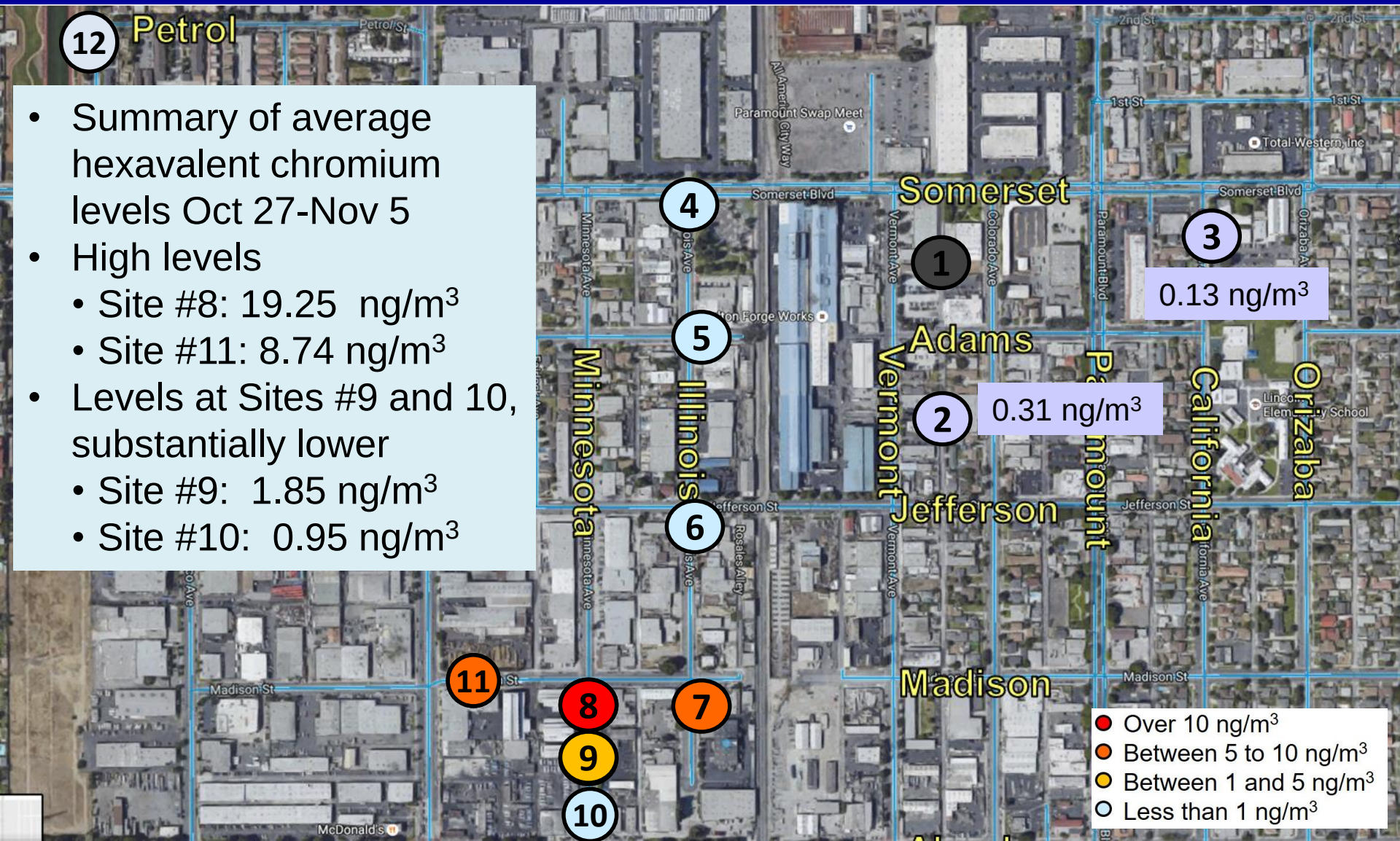
Monitoring October 27, 2016



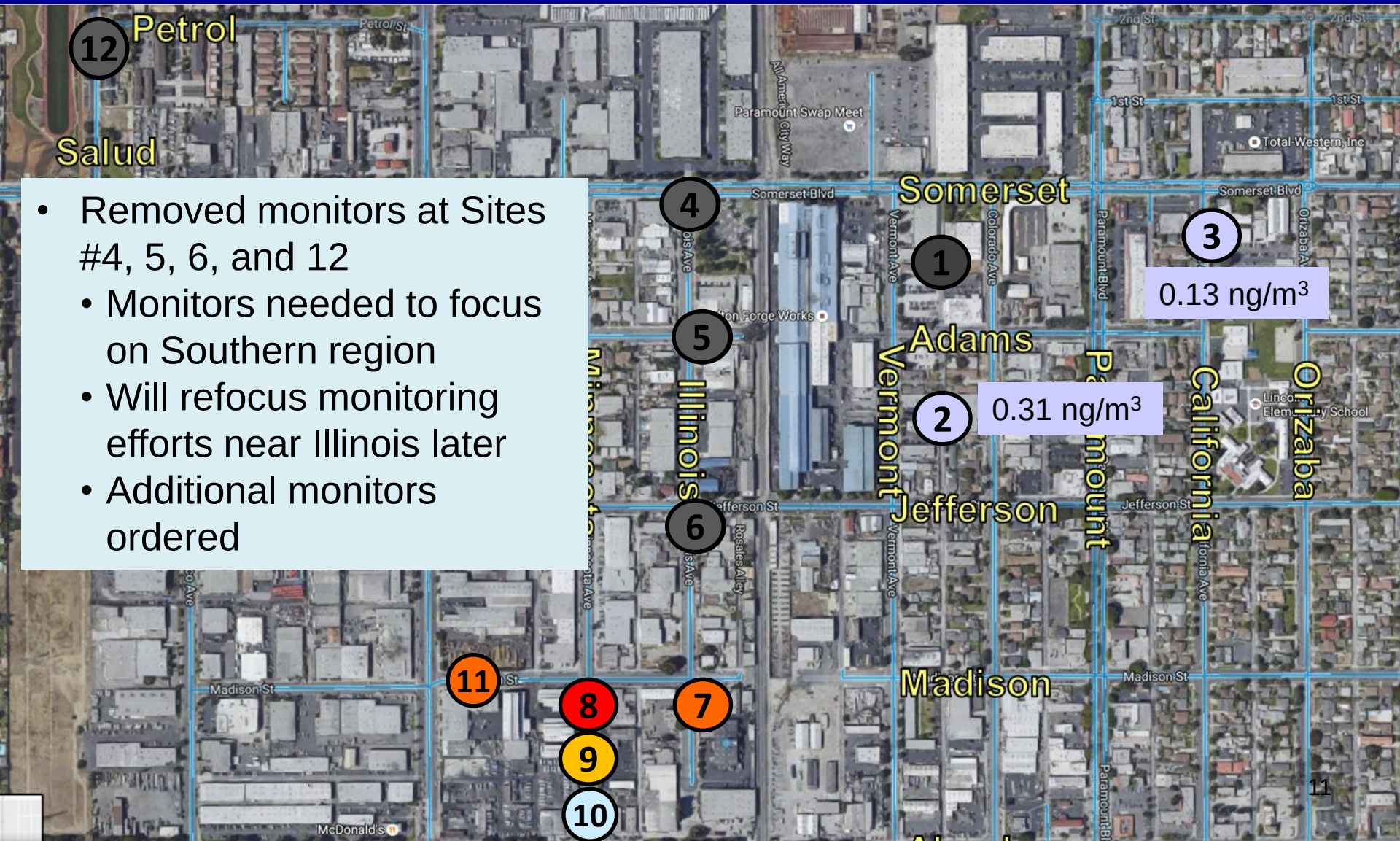
- October 27, 2016 deployed 4 additional monitors
  - 3 monitors on Minnesota St. (Sites# 8, 9, and 10)
  - 1 monitor on Madison, near Garfield (Site #11)

Results
Sites #8, 9, 10 and 11

- Summary of average hexavalent chromium levels Oct 27-Nov 5
- High levels
  - Site #8: 19.25 ng/m^3
  - Site #11: 8.74 ng/m^3
- Levels at Sites #9 and 10, substantially lower
  - Site #9: 1.85 ng/m^3
  - Site #10: 0.95 ng/m^3

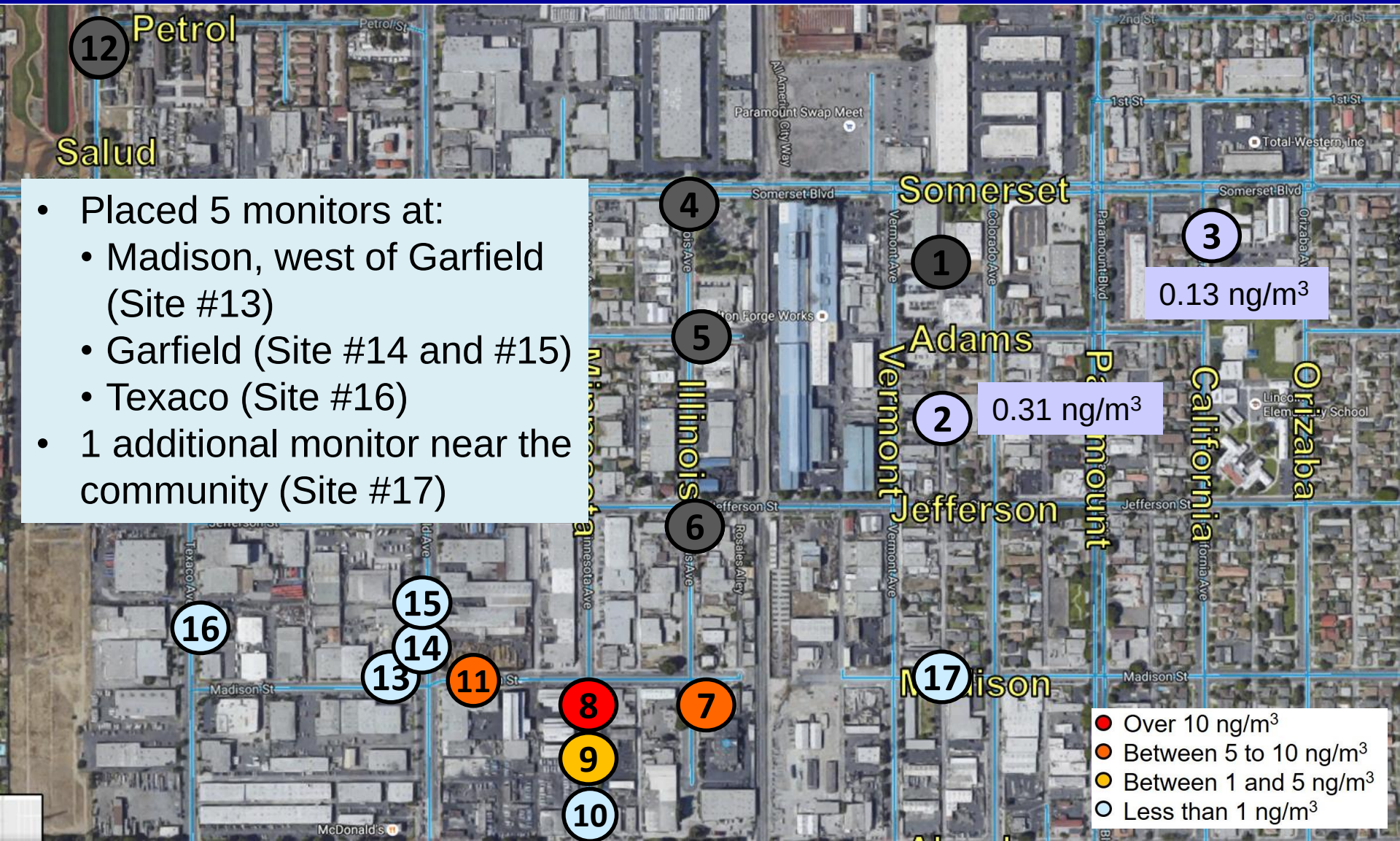


Monitoring November 5, 2016



- Removed monitors at Sites #4, 5, 6, and 12
  - Monitors needed to focus on Southern region
  - Will refocus monitoring efforts near Illinois later
  - Additional monitors ordered

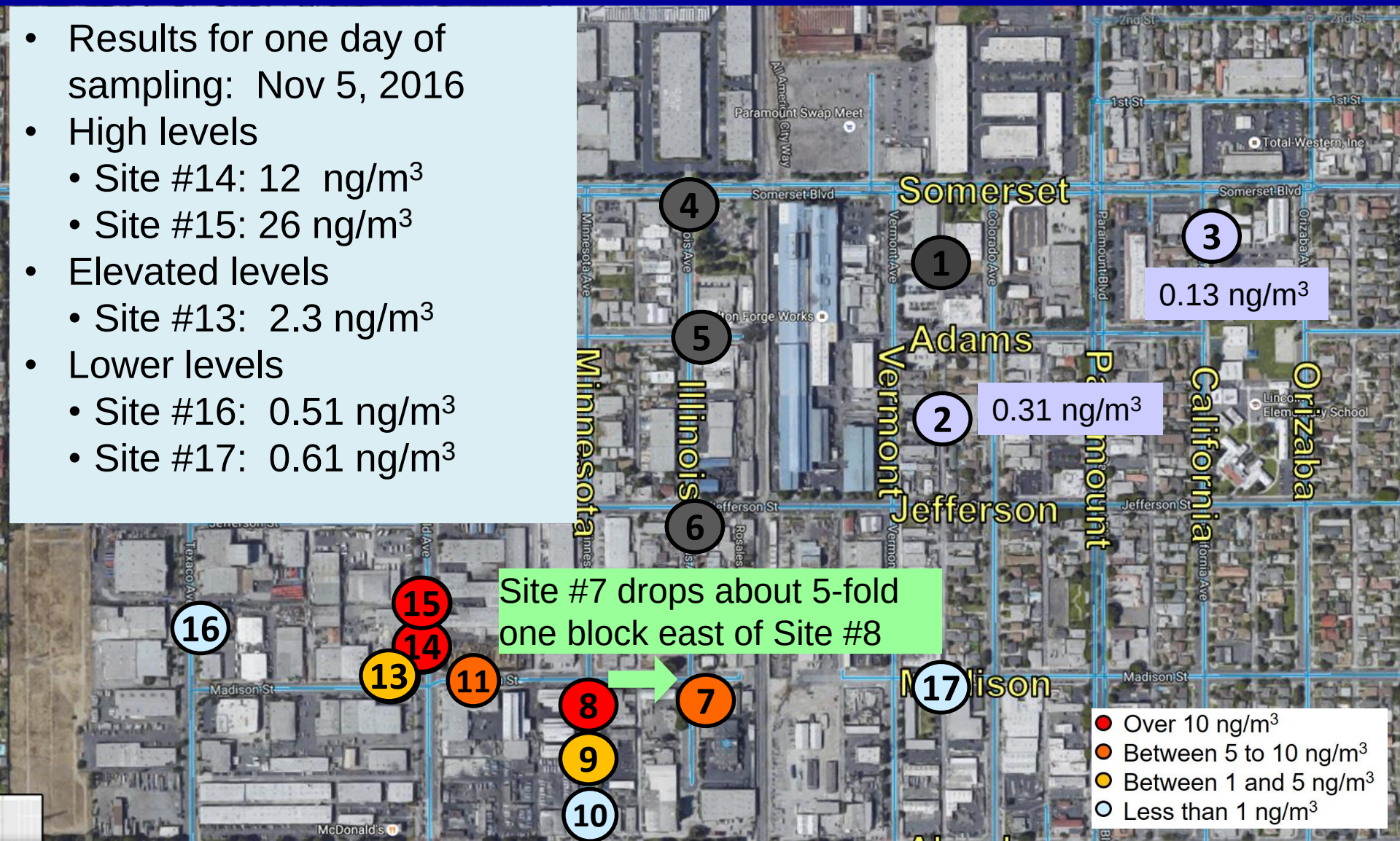
Monitoring November 5, 2016 *(Continued)*



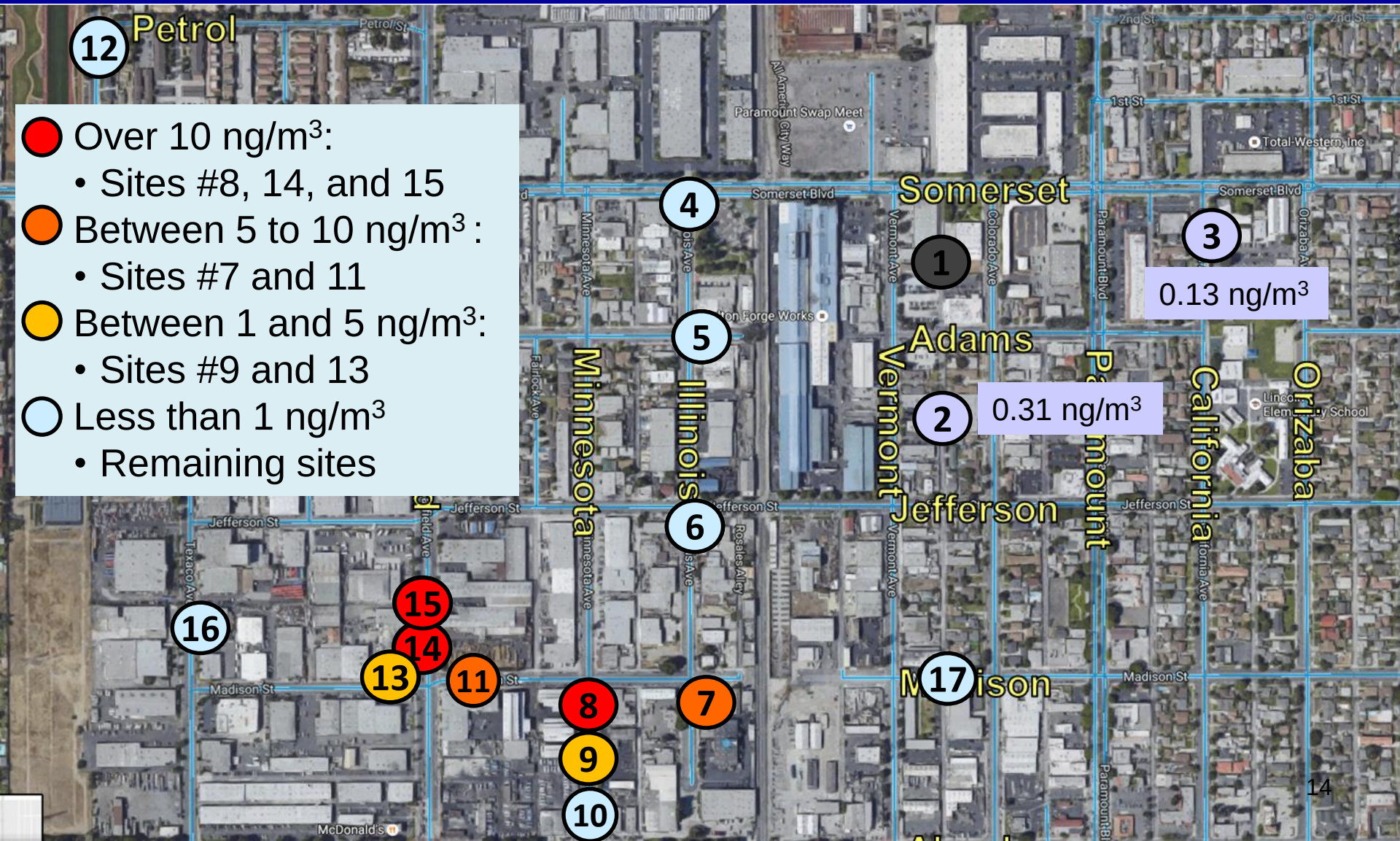
- Placed 5 monitors at:
  - Madison, west of Garfield (Site #13)
  - Garfield (Site #14 and #15)
  - Texaco (Site #16)
- 1 additional monitor near the community (Site #17)

Results for Sites #13, 14, 15, and 17

- Results for one day of sampling: Nov 5, 2016
- High levels
  - Site #14: 12 ng/m^3
  - Site #15: 26 ng/m^3
- Elevated levels
  - Site #13: 2.3 ng/m^3
- Lower levels
  - Site #16: 0.51 ng/m^3
  - Site #17: 0.61 ng/m^3



Summary of Results



What Do These Results Mean?

- Highest levels are found in industrial areas
  - Rapid drop off observed from areas that showed the highest levels
- Levels near the residential areas substantially lower, but higher than typical background levels
- Priority is to aggressively identify sources and reduce emissions to prevent further exposure

Immediate Efforts and Moving Forward

- Levels in the industrial areas near Madison and Garfield require immediate action
- Taking all measures to identify and control sources
  - Conducting joint inspections with other agencies
    - Targeting sources of hexavalent chromium emissions
    - Conducting door-to door sweep to identify other possible emissions sources
  - Verifying permits and appropriate pollution controls as applicable
  - Using all available enforcement tools to ensure compliance

Next Steps

- Aggressively reduce hexavalent chromium emissions as they are identified
- Continue Long-Term and Expanded Monitoring
- SCAQMD website to be updated as information becomes available
- Fourth Town Hall Meeting in about a month

Suggested Public Process (Seeking Input)

- Update SCAQMD website
  - Monitoring results
  - Updates
  - http://www.aqmd.gov/home/regulations/compliance/air-monitoring-activities
- Considering weekly briefing calls with public, non-governmental organizations, others
- After tonight
  - Sign-up to receive updates, notices, etc.
  - Questions:

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Questions and Answers