

# Summary of Arvin Proposed Air Monitoring

December 15, 2021

## Section A:

Proposed Location(s): **Mountain View Elementary**

Proposed Monitoring Equipment: **Compact Multi-Pollutant Monitor System**

- Existing Monitor at Mountain View Middle School
  - SO<sub>2</sub>, H<sub>2</sub>S, BTEX
- Add Real-time PM<sub>2.5</sub>

Comments:

- Heavy duty diesel truck traffic
- Dust
- Pesticides
- Odors
- Refinery Emissions

## Section B

Proposed Location(s): **Bear Mountain Recreation OR Alicante Elementary**

Proposed Monitoring Equipment: **Compact Multi-Pollutant Monitor System**

- Real-time PM<sub>2.5</sub>, Ozone, NO<sub>2</sub>/NO, and SO<sub>2</sub>/H<sub>2</sub>S, BTEX
- VOC Speciation Sampling

Comments:

- Heavy duty diesel truck traffic
- Dust
- Pesticides
- Odors
- Would like monitoring near schools/sensitive receptors
- NO<sub>x</sub>, VOCs, diesel PM, speciation

## Section C

Proposed Location(s): **Sunset Middle School**

Monitoring Equipment: **PM<sub>2.5</sub> Monitor**

- Real-time PM<sub>2.5</sub>

Comments:

- Heavy duty diesel truck traffic
- Dust
- Pesticides
- Monitor near schools (Sunset and Vineland)

## **Section D**

Proposed Location(s): **Throughout section, focus on areas of concern**

Monitoring Equipment: **Mobile Monitoring Van**

- PM2.5, Ozone, NO2/NO, and SO2/H2S, BTEX

Comments:

- Dust
- Pesticides
- Odors

## **Section E**

Proposed Location(s): **Throughout section, focus on areas of concern**

Monitoring Equipment: **Mobile Monitoring Van**

- PM2.5, Ozone, NO2/NO, and SO2/H2S, BTEX

Comments:

- Heavy duty diesel truck traffic
- Odors

## **Section F**

Proposed Location(s): **Near Industrial Corner**

Monitoring Equipment: **PM2.5 Monitor**

- Real-time PM2.5

Comments:

- Heavy duty diesel truck traffic
- Open burning

## **Section G**

Proposed Location(s): **Arvin High School**

Monitoring Equipment: **Fully-Loaded Trailer**

- Real-time PM2.5, black carbon, ozone, NO/NO2, H2S, SO2, CO, BTEX
- VOC and PM 2.5 Speciation

Comments:

- Heavy duty diesel truck traffic
- Dust
- Pesticides
- Odors
- Would like monitoring near schools/sensitive receptors
- Industrial sources

## **Section H**

Proposed Location(s): **Throughout section, focus on areas of concern**

Monitoring Equipment: **Mobile Monitoring Van**

- PM2.5, Ozone, NO2/NO, and SO2/H2S, BTEX

Comments:

- Heavy duty diesel truck traffic
- Odors
- Industrial sources

## **Section I**

Proposed Location(s): **El Camino Real Elementary**

Monitoring Equipment: **PM2.5 Monitor**

- Real-time PM2.5

Comments:

- Heavy duty diesel truck traffic
- Dust
- Pesticides

# Potential School Sites for Air Monitoring in Arvin/Lamont

