Ascon Huntington Beach
Monitoring Air Quality
During Remedial Fieldwork

January 2020

A safer, cleaner future for the community

The Ascon team is engaging with the Huntington Beach community as we safely complete cleanup activities at the Ascon Landfill Site. This includes working to protect the health and safety of the community by monitoring air quality at the Site and in the local neighborhood.

Air monitoring is conducted under the oversight of the California Department of Toxic Substances Control (DTSC).

What is air monitoring?

Air monitoring at the Ascon Site involves using proven and widely-used technology to collect air samples — both on the Site and in the surrounding neighborhood — and then analyzing those samples and comparing to conservative, health-protective screening levels.

How we monitor air quality during remedial fieldwork

Map of Ascon Site and neighboring community

** Map is for illustrative purposes only. Boundaries and locations shown are approximate.*

ONSITE MONITORING

- **Four air monitoring stations for dust**, including one upwind station, **and two roving stations** that can be moved depending on work activities and wind direction, are located around the Site perimeter.
- Air quality professionals conduct additional **handheld monitoring** directly in active work zones.
- Immediate **data analysis** drives real-time actions during the workday.
- **Six air monitoring stations for volatile organic compounds (VOCs)**, including one upwind VOC station, are located around the Site perimeter.
- Samples for VOCs are sent to a **state-certified lab for analysis and data validation**.

OFFSITE MONITORING

- **Five air monitoring trailers for dust and VOCs are deployed** at locations in the surrounding community.
- Dust concentrations are measured, with 24-hour averages reported.
- Samples for VOCs are collected and sent to a **state-certified lab for analysis and data validation**.
- Results are compared to **health-protective screening levels** established by the California Office of Environmental Health Hazard Assessment (OEHHA) and the Agency for Toxic Substances and Disease Registry (ATSDR), as well as with onsite monitoring results, to identify any potential impacts related to Site activities.

Onsite air monitoring station for dust

Onsite air monitoring station for VOCs

Offsite air monitoring station for VOCs and dust

Site boundary

Prevailing winds

Onsite dust meter for dust monitoring and summa canister for VOC monitoring

Offsite air monitoring trailers

What are we monitoring during active fieldwork?

- Volatile organic compounds (VOCs)
- Polyaromatic hydrocarbons (PAHs)
- Odor
- Dust
- Metals

Protecting the community

During remedial fieldwork, if dust monitoring and air monitoring results exceed health-protective screening levels, we will:

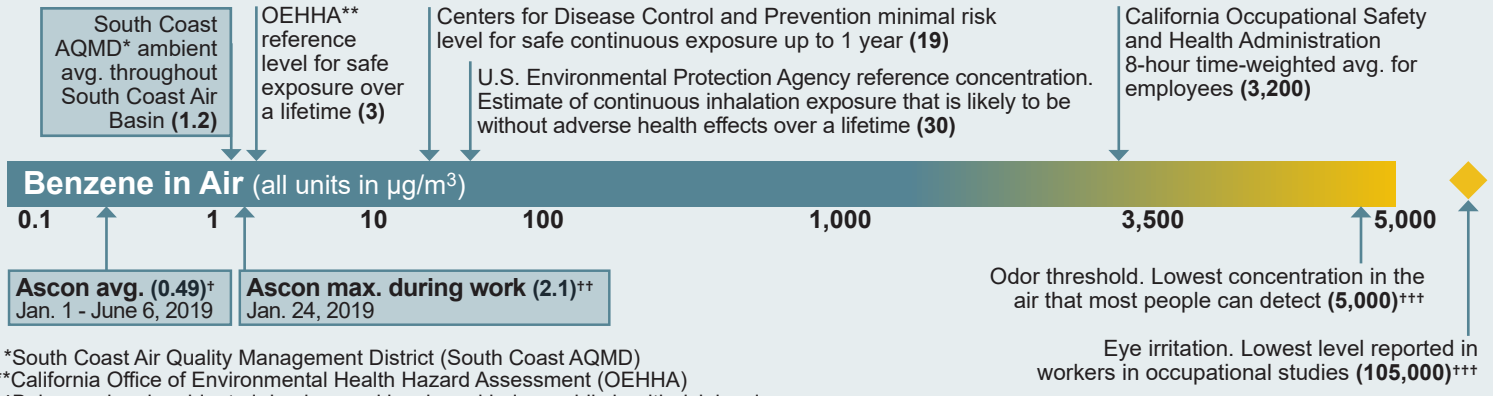
- **Investigate** the source and necessary mitigation actions.
- **Share** with DTSC and the community via our website, **Asconhb.com**.

Ascon air monitoring results remain well below health-protective screening levels

Benzene

Air monitoring results are compared against conservative federal and state screening levels set to protect sensitive populations, including children, seniors and pregnant women. While results for benzene are sometimes above the ambient air averages, our air monitoring results show it is below health-protective screening levels.

The following is an example of the health-protective screening levels that are used for monitoring benzene.



*South Coast Air Quality Management District (South Coast AQMD)
**California Office of Environmental Health Hazard Assessment (OEHHA)
†Below regional ambient air background levels and below public health risk levels
††Below public health risk levels; detections above these levels have not been found during temporary shutdown
†††US Dept. of Health & Human Services ATSDR

Sharing air monitoring results online

The Ascon team will be sharing air monitoring results with DTSC and through our website, which will be updated daily. To view the results please visit **Asconhb.com**.

Want more information? Questions? Concerns?

To learn more about the Ascon cleanup, and to sign up for our weekly project update email newsletter, visit our website at **Asconhb.com** or call the Ascon Community Information Line at **(714) 388-1825**.