

# Ascon Huntington Beach Monitoring Air Quality During the Temporary Shutdown

January 2020

A safer, cleaner future for the community

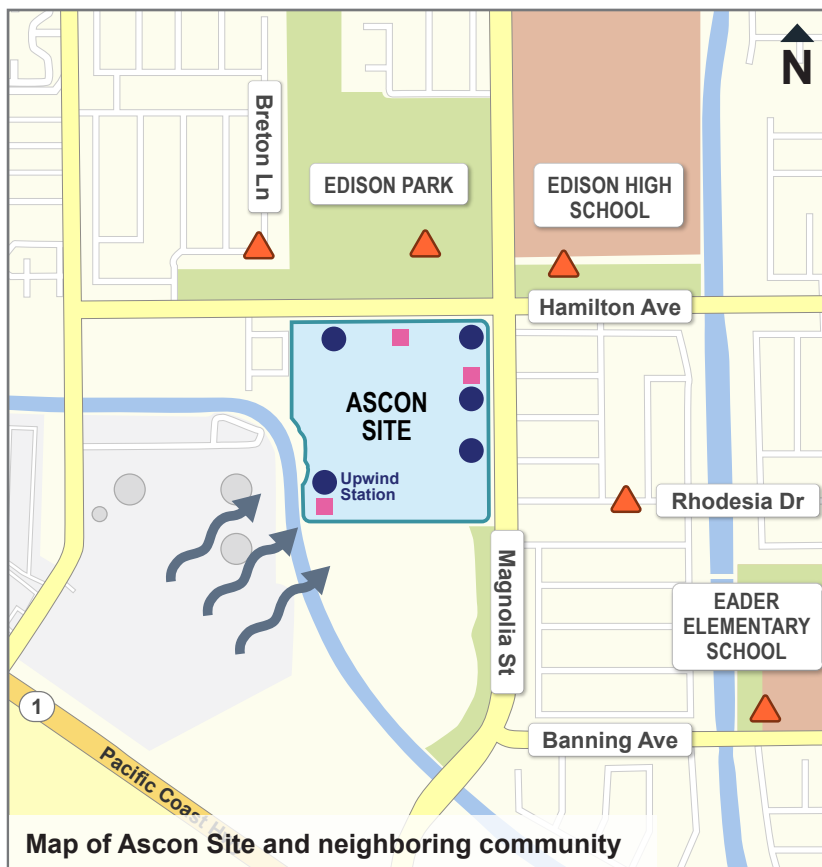
**The Ascon team is engaging with the Huntington Beach community as we safely complete cleanup activities at the Ascon Landfill Site.** This includes working to protect the health and safety of the community by monitoring air quality at the Site and in the local neighborhood.

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 the temporary shutdown



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

- Onsite air monitoring station for dust
- Onsite air monitoring station for VOCs
- Offsite air monitoring station for VOCs and dust

## ONSITE MONITORING

- **Three air monitoring stations for dust and five air monitoring stations for volatile organic compounds (VOCs)** are located around the Site perimeter, including one upwind dust station and one upwind VOC station.
- Dust concentrations are measured, with 2-hour averages reported.
- 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 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.

Site boundary

Prevailing winds

## What are we monitoring while work is paused?

- ✓ Volatile organic compounds (VOCs)
- ✓ Dust

### Protecting the community

While work is paused, if the lab analysis results exceed health-protective screening levels for VOCs, we will:

- **Investigate** the source and necessary mitigation actions.
- **Share** with DTSC and the community via our website, [Asconhb.com](http://Asconhb.com).



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

## Offsite Air Monitoring



Offsite air monitoring trailers

The offsite air monitoring trailers will have different, and sometimes higher levels for dust, emissions or other sources not related to Ascon due to neighborhood activities near trailers, e.g. lawn mowing, fire place use, vehicle emissions.

The higher levels of dust or emissions are shown not to be Ascon related through confirmation of readings taken on the Ascon Site.

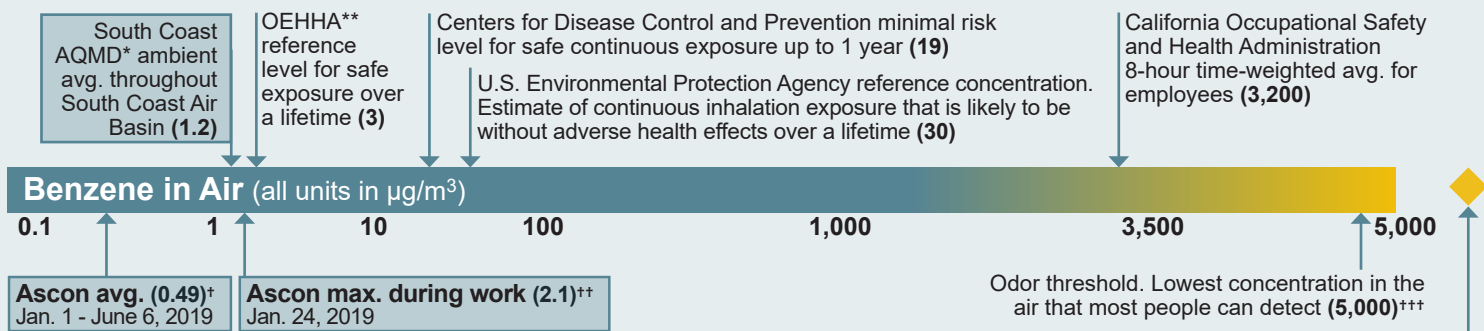


## Ascon air monitoring results remain well below health-protective screening levels

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)

<sup>†</sup>Below regional ambient air background levels and below public health risk levels

<sup>††</sup>Below public health risk levels; detections above these levels have not been found during temporary shutdown

<sup>†††</sup>US Dept. of Health & Human Services ATSDR

## Benzene



## 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](http://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](http://Asconhb.com) or call the Ascon Community Information Line at (714) 388-1825.