



October 2, 2023

Subject: Health Risk Screening of the monthly continuous air monitoring and discrete air sampling data for August 2023

CTEH has been hired by Chiquita Canyon Landfill to evaluate air quality and public health risks in communities nearby the Landfill. Air quality evaluations include continuous air monitoring and discrete air sampling strategies conducted by a separate consultant, SCS Engineers. SCS Engineers has provided the August 2023 data to the Los Angeles County Department of Public Health and made the data available at the following link from Chiquita's Odor Mitigation webpage: https://chiquitacanyon.com/wp-content/uploads/2023/09/August-2023-CAMP-Air-and-Odor-Sampling-Report_9-20-23.pdf .

Based on our review of the continuous air monitoring and discrete air sampling data, there is no evidence of increased health risk to the community.

Continuous air monitoring readings and discrete air sampling results were compared against the health-protective National Ambient Air Quality Standards developed by the U.S. Environmental Protection Agency, Minimal Risk Levels developed by the Agency for Toxic Substances and Disease Registry, and other short- and intermediate-duration health-based air quality standards or guidance values. Evaluations of long-term exposures (greater than one year) are ongoing.

The continuous air monitoring readings are compiled from 10 fixed stations throughout the community. Each air monitoring station is set to evaluate hydrogen sulfide (H₂S) and particulate matter (PM_{2.5} and PM₁₀) continuously over a 24-hour period to assess for real-time detections. In addition to the continuous air monitoring, discrete air samples are collected and analyzed by an accredited laboratory for total reduced sulfur compounds (TRS) and volatile organic compounds (VOCs). A total of 75 unique chemicals were included in the August evaluation. Real-time monitoring at the 10 fixed stations logged 15,613 readings of H₂S and particulate matter.

CTEH also conducted an evaluation of the data against the California Ambient Air Quality Standard for H₂S, which is a standard based on the concentration at which a human may be able to smell an odor. This standard is developed by the California Air Resources Board. Six percent of real-time continuous air monitoring readings were above the California Ambient Air Quality standard for H₂S, which means that odors may have been perceived in the community during the month of August 2023.

Cordially,

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