



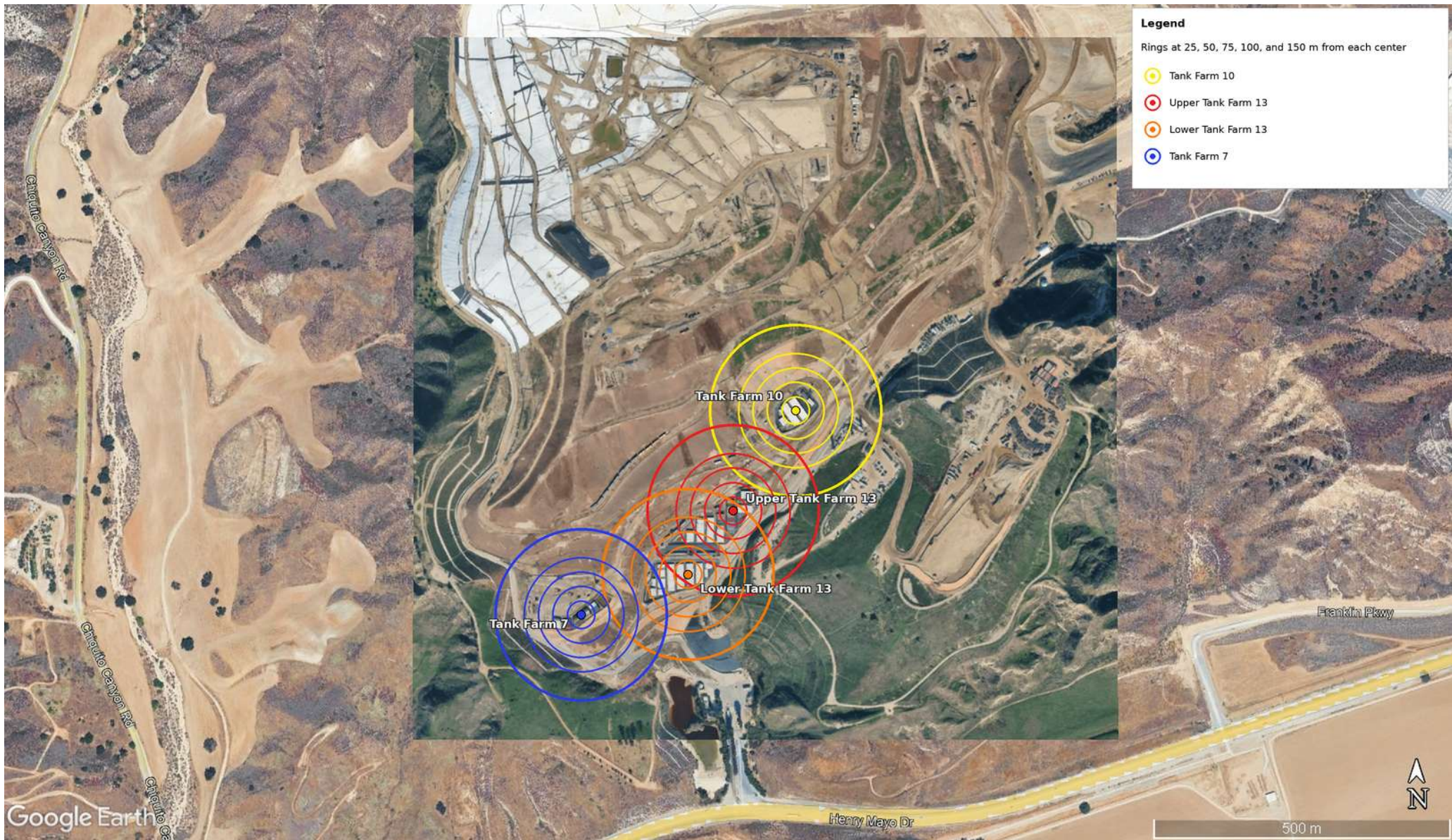
Chiquita Canyon Leachate Tank Farm Odor Study

South Coast Air Quality Management District & Chiquita Canyon Landfill
Reaction Committee Hearing
Diamond Bar, CA | October 28-29, 2026

Richard C Pleus, Ph.D., M.S.

800 Fifth Avenue, Suite 101-224 | Seattle, WA 98104 | 206.443.2115 | intertox.com





Odor Sampling Methodology

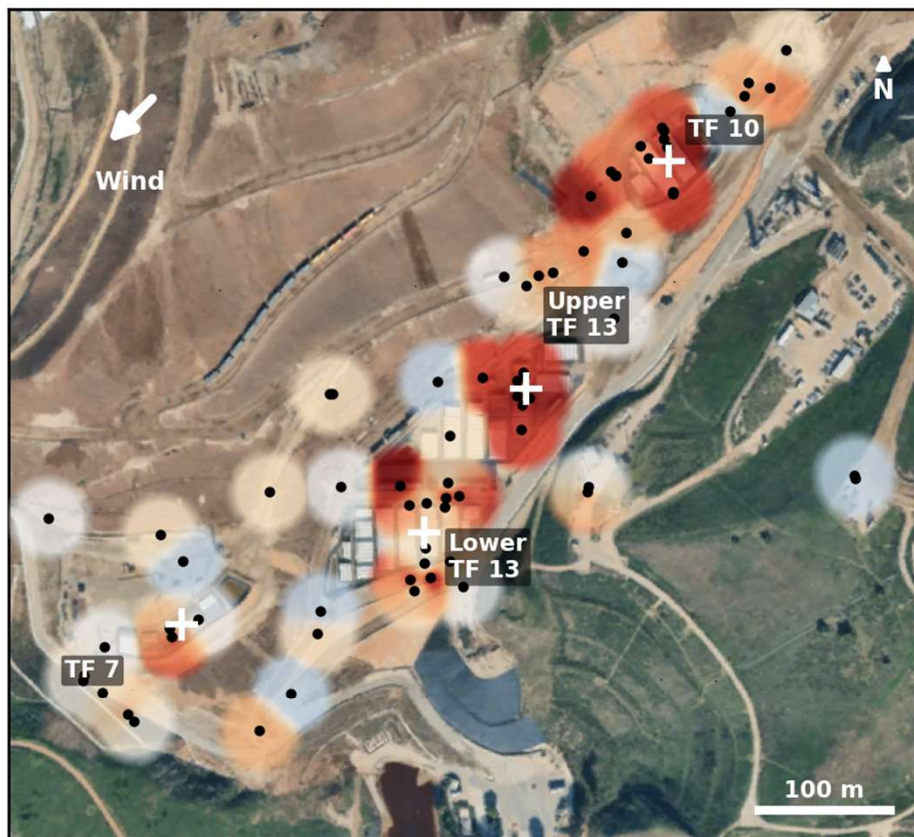
Measure¹ odors at and downwind from Tank Farms 7, 10, and Upper and Lower 13

Repeat measurements downwind at approximately 25-50 m intervals

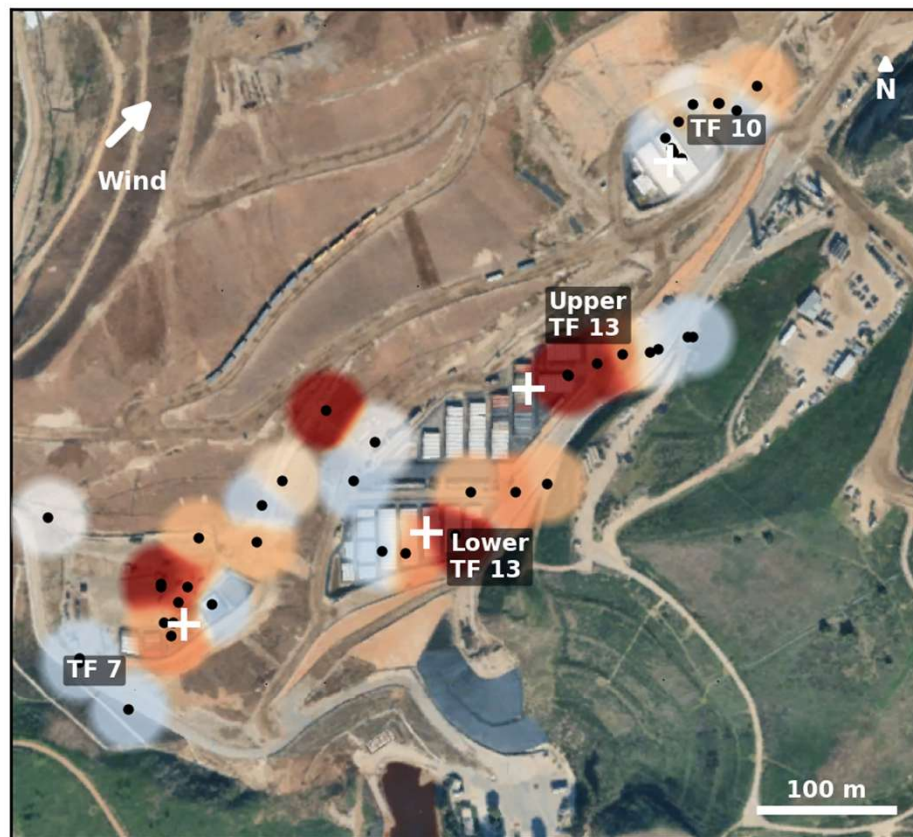
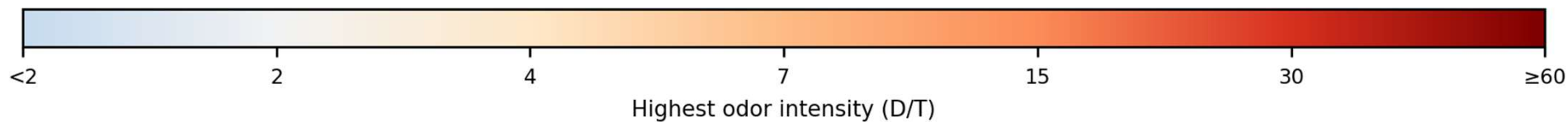
Collect upwind measurements to identify potential background odor

¹Measurements of dilutions to threshold (D/T) were collected using a Nasal Ranger Field Olfactometer

**A. Winds from the northeast
(mornings, Sept 28-30)**



**B. Winds from the southwest
(afternoons, Sept 28-30)**



Surface interpolated between sampling locations within ~35 m of each other; colors at the black dots match the measured values.



Legend



Center of Leachate Tank Farm 10 (LF10)



1,200-m line: Distance from LF10 to nearest residence

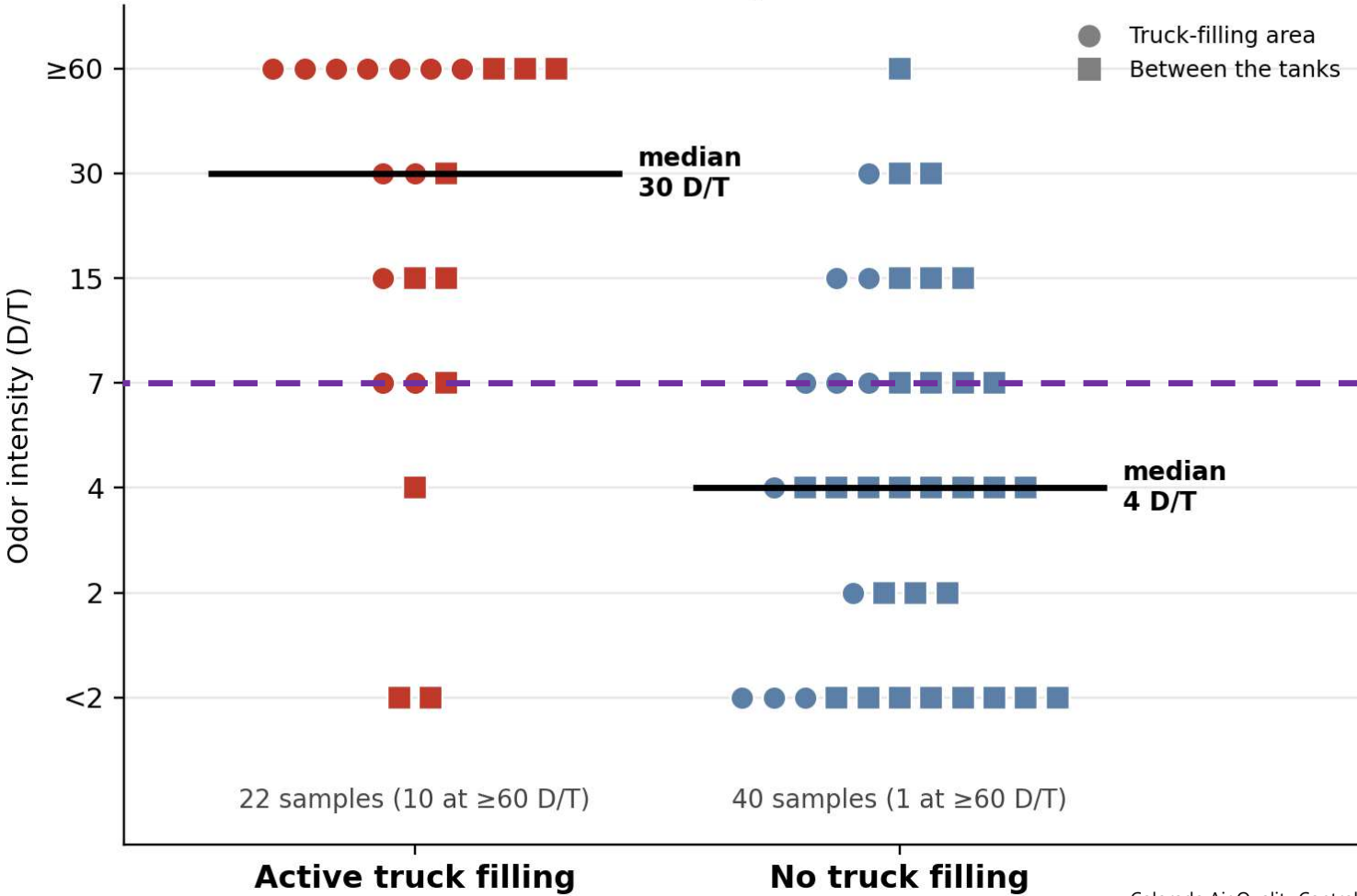


300-m radius sector toward nearest residence: Maximum observed on-site odor distance (≥ 2 D/T)



Nearest residence to any leachate tank farm (Approximately 1,200-meters from LF10)

Odor at the leachate tank farms, September 28-30, 2026



INTERTOX

- Colorado Air Quality Control Commission. Regulation Number 2: Odor Emission. 5 CCR 1001-4. Denver (CO): Colorado Department of Public Health and Environment.
- Wyoming Environmental Quality Council. Ambient standards for odors. Wyo Air Qual Standards Regs, ch 2, § 11. Cheyenne (WY): Wyoming Department of Environmental Quality.
- Missouri Air Conservation Commission. Restriction of emission of odors. 10 CSR 10-6.165. Jefferson City (MO): Missouri Department of Natural Resources.