

US EPA ARCHIVE DOCUMENT



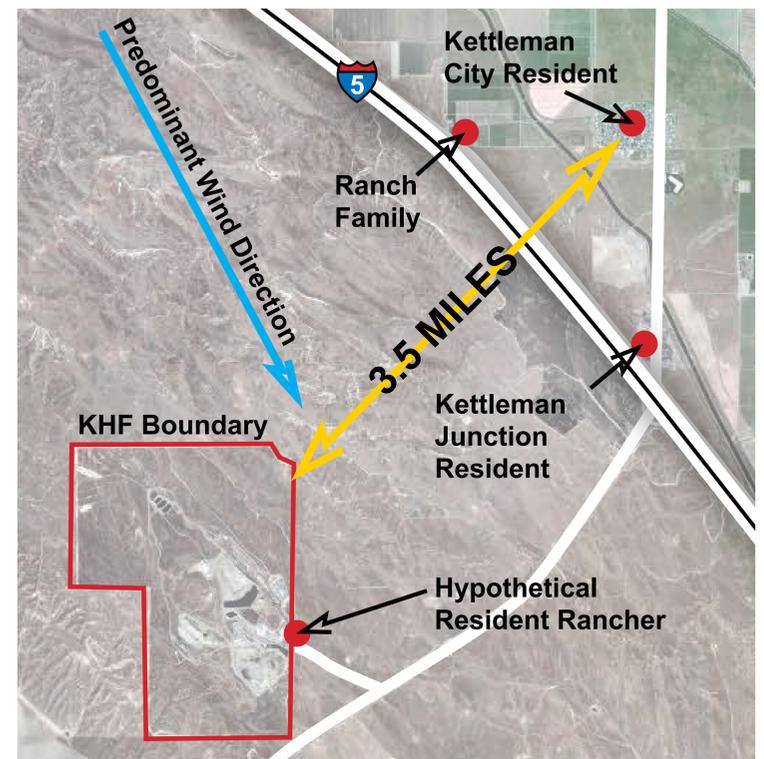
DEPARTMENT
OF TOXIC
SUBSTANCES
CONTROL

Human Health Risk Assessment at K.H. Facility

WASTE MANAGEMENT, INC. • KETTLEMAN HILLS FACILITY

How DTSC Determines Risk from Kettleman Hills Landfill Air Emissions

Under oversight by DTSC a health risk assessment was conducted to determine the health risks from permitted KHF activities. The health risk assessment studies the effect of chemicals released to the air from the KHF Landfill and how they travel by wind and expose ranch workers and ranch residents near KHF and residents of Kettleman City and Kettleman Junction.



UNITED STATES
ENVIRONMENTAL
PROTECTION
AGENCY

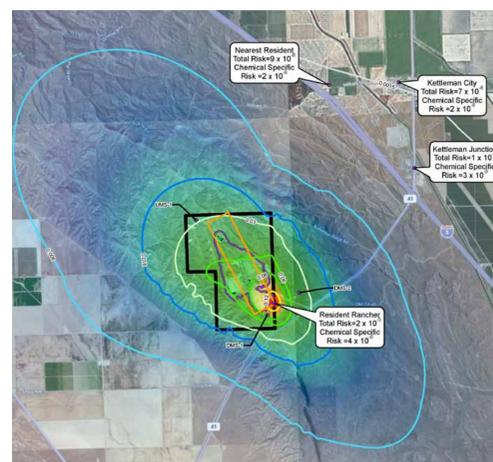
Health Risk Assessment

The health risks from exposure to air emissions from the KHF Landfill were calculated for different receptors using monitoring data that has been collected for the last 5 years. The health risk assessment demonstrated that there is no significant health risk for Kettleman

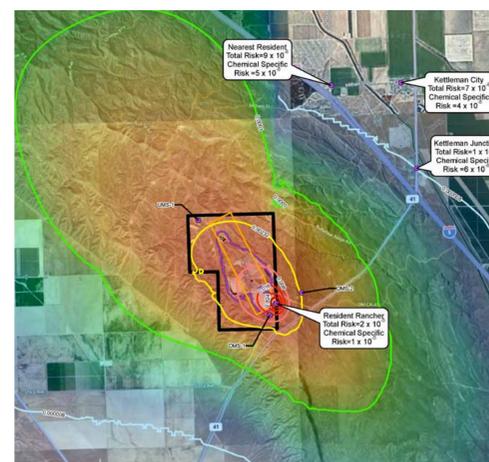
City Residents, Kettleman Junction Residents, Kettleman City Area Ranch families or a Ranch Worker at Landfill Fenceline. DTSC continues to require air monitoring, quarterly air monitoring reports and an annual update of the Health Risk Assessment .

Air Dispersion of . . .

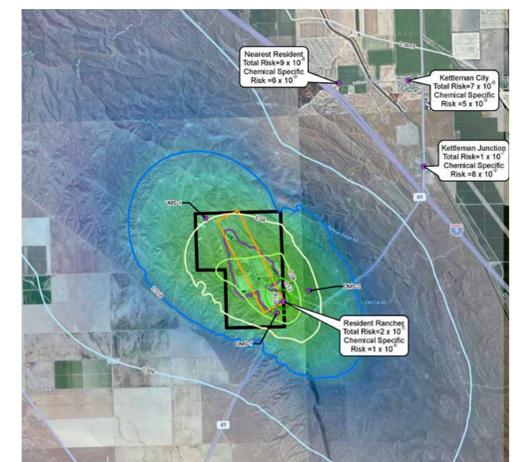
Benzene



Chromium



Formaldehyde



Health Risk: Red, orange, yellow. . . . Significant health risk to residents
Green, blue, gray. Not significant health risk to residents