

CASE STUDY

PurePak™ Modules (PP)

Westside Subway Extension Project,
Section 1, Los Angeles, California



THE PROBLEM

Confirming odor levels during deep excavation can be challenging. Although significant time and preparation are devoted to designing mitigation systems for anticipated odors, actual conditions may reveal higher concentrations or additional compounds. Understanding the surrounding geology is therefore critical. During deep tunneling for the Westside Subway Extension Project (Westside), construction occurred near the La Brea Tar Pits, where elevated hydrogen sulfide (H_2S) levels were anticipated. Once drilling commenced, additional noxious odors were encountered, requiring enhanced air treatment measures to be taken by the City to maintain safe working conditions.



THE SOLUTION

PureAir supplied the Westside project with 641 PP12 modules per system, each equipped with Sulphasorb XL™ chemisorbent media, for a total of 3,846 PP12 modules. While the odor control system was initially designed to mitigate hydrogen sulfide (H_2S), excavation activities revealed the presence of additional contaminants, including volatile organic compounds (VOCs), mercaptans, and other sulfur-based compounds.

The implemented solution successfully removed these odors, resulting in clean, breathable air for onsite personnel. The City of Los Angeles, including the Beverly Hills area, continues to partner with PureAir on ongoing projects.