

Fact Sheet and Q&As for Bioventing Pilot Test

Former Kast Tank Farm Property

What is bioventing and how does it work?

Bioventing is a way of drawing air into subsurface soil to enhance the natural degradation of hydrocarbons present in soil. To accomplish this, a portable soil vapor extraction unit (pictured below) will be parked on the street to place a low vacuum on wells and create air flow into the soil.



The unit will be installed at 6 locations at a time. Soil samples will be collected prior to installation of the wells. Monitoring probes will also be installed to monitor air flow to the soil and may be used as air inlets to enhance air flow.

Why is the bioventing procedure taking place?

Shell is conducting environmental tests as part of a pilot testing program to evaluate potential remediation method(s) for the area as part of Shell's compliance with a Cleanup and Abatement Order issued by the Los Angeles Regional Water Quality Control Board. Bioventing is one of several pilot test procedures that have been approved by the Los Angeles Regional Water Quality Control Board.



How long does the bioventing test take?

The bioventing test at each location will take place up to four-week period of time.

Will the bioventing be noisy?

To reduce noise during the testing, the vapor extraction unit will be enclosed in a sound absorbing enclosure. Noise levels associated with the bioventing will adhere to noise regulation limits approved by the City of Carson. Every effort will be made to minimize disruption and inconvenience to the community during the bioventing tests.

Does the bioventing pose any risk to residents?

No, the bioventing process does not pose a risk to the residents of the Carousel Community.

What happens after the bioventing procedure is complete?

When the tests are complete, all surface equipment will be removed and all wells will be removed and refilled with clean soil. The property will be restored to original conditions or as agreed to with the property owners. The results of the bioventing assessment will then be used in combination with other pilot testing results to develop a remediation plan for the community.

Who is overseeing and approving the bioventing test?

The Los Angeles Regional Water Quality Control Board is overseeing the testing and has approved the Pilot Test Work Plan. The plan has also been reviewed and approved by the City of Carson.

Who can I contact with any questions?

If you would like more information, please contact Dr. TeklewoldAyalew, Project Manager, at (213) 576-6739 or Gita Kapahi, Director of Public Participation of the California State Water Resources Control Board, at (916) 341-5254. You may also contact Shell's Kast information line at (310) 857-2355.