

2013 Volcano Awareness Talks in Ka'ū District

For more information, email askHVO@usgs.gov or call (808) 967-8844.

Wednesday, January 23

Pahala Plantation House - 6:30 p.m.

Maile St., Pahala, HI (see map on next page)

The 30th Anniversary of Kīlauea Volcano's East Rift Eruption

January 3, 2013, marked the 30th anniversary of Kīlauea's ongoing East Rift Zone eruption. During its first 3 years, spectacular lava fountains spewed episodically from the Pu'u 'Ō'ō vent. Since then, nearly continuous lava effusion has built a vast plain of pāhoehoe lava that stretches from the volcano's rift zone to the sea. Although the eruption has been relatively quiet during the past year, with mostly steady, but unusually weak, activity, it has produced some dramatic lava flows in past years. **Tim Orr**, USGS Hawaiian Volcano Observatory geologist, will review highlights from the past 30 years and talk about recent developments on Kīlauea's East Rift Zone.



Wednesday, February 6

Pahala Community Center - 6:30 p.m.

Kamani St., Pahala, HI (see map on next page)

Kīlauea's Volcanic Gases and Their Environmental Impact



As magma rises from the Earth's mantle to the surface, the expansion of volcanic gases drives the spectacular lava fountains and flows erupted by Hawaiian volcanoes. But, in addition to lava flows, Kīlauea's current eruption also releases large amounts of volcanic gases. **Jeff Sutton and Tamar Elias**, USGS Hawaiian Volcano Observatory geochemists, will offer an update about these gases, especially those related to the

2008-2012 activity at Halema'uma'u Crater, and will talk about volcanic pollution (vog)—how it forms and what has been learned about its effects on our island environment.

Pahala, Hawaii

