



# Hassayampa Landfill Five-Year Review

u.s. environmental protection agency • region 9 • san francisco, california • january 2006

## U.S. EPA Begins Hassayampa Remedy Review Proposes Resuming Soil Vapor Extraction Activity

The U.S. Environmental Protection Agency (EPA) has begun reviewing the cleanup remedy for the Hassayampa Landfill Superfund site in Maricopa County, Arizona. Every five years, EPA evaluates the performance of its on-going cleanup remedies and issues a report of its findings in a document called a Five-Year Review.

This review is required by law for all Superfund sites where hazardous substances will remain on site at levels that will not allow for unrestricted use. The review is also necessary when hazardous contaminants will not remain on-site, yet it will take more than five years to complete the remedial action.

During the Five-Year Review, EPA will initiate studies to assist in the evaluation of the various components of the cleanup remedy. One study involves the operation of a new SVE unit. The data collected from the studies will be analyzed and compared with the existing monitoring data to evaluate the performance of the existing remedy.

EPA will also oversee the construction and interview people who have knowledge of operations of the cleanup systems. Furthermore, EPA will talk with members of the public who have information or concerns about on-going cleanup activities.

### OPEN HOUSE

Please come and learn about the Five-Year Review

- When:** Wednesday, January 11, 2006. 7:00-9:00 PM  
**Where:** Buckeye Valley Chamber of Commerce  
508 E. Monroe, Buckeye, AZ 85326  
**Who:** Hosted by U.S. Environmental Protection Agency  
**What:** Poster Session, Informal Q&A



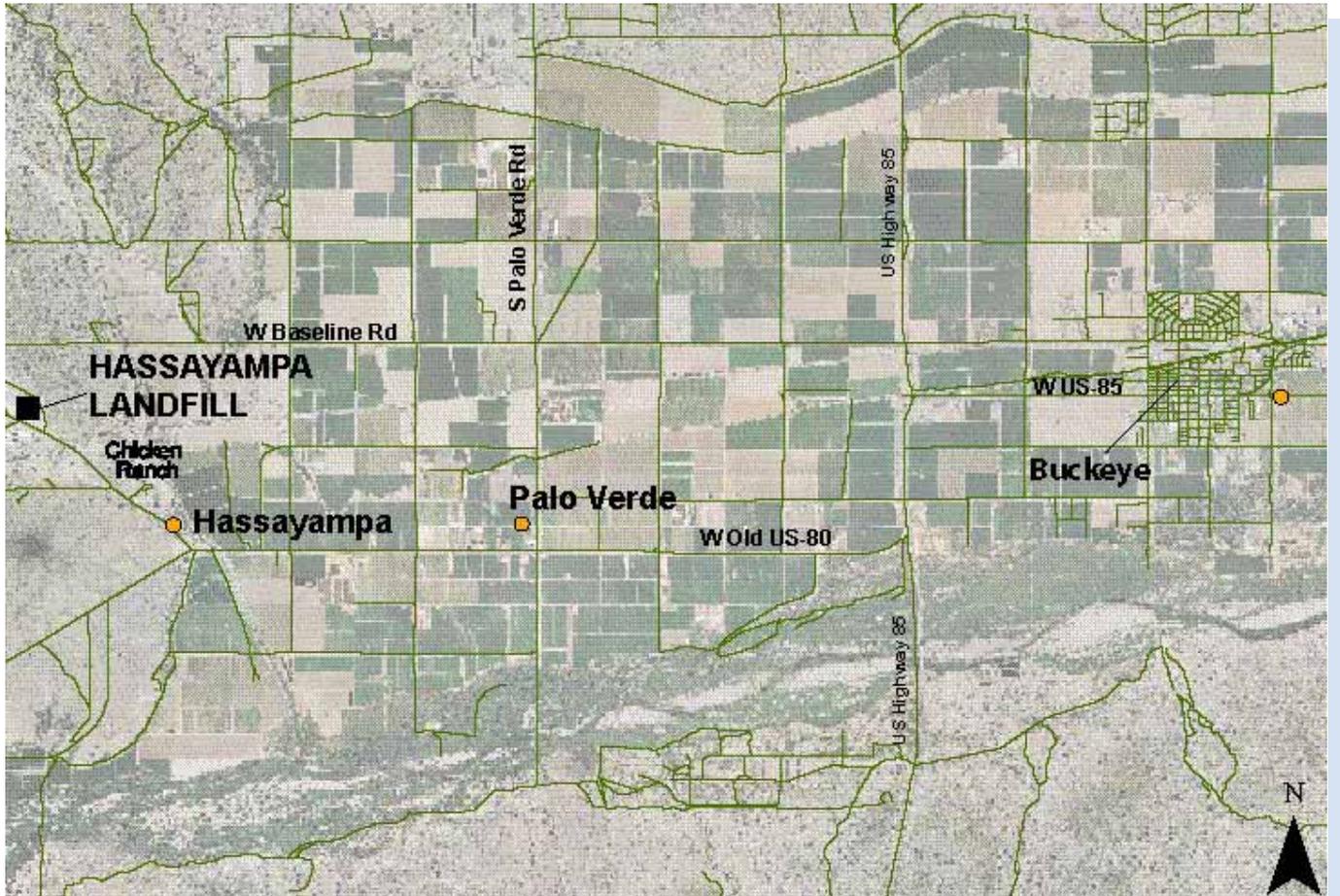


Figure 1: Location of Hassayampa Landfill and vicinity

## The Five-Year Review Process

The existing remedy selected for the Hassayampa Landfill consists of:

- A water-resistant ground cover called a landfill cap
- Soil treatment through vapor extraction
- Groundwater treatment through extraction and air stripping
- Deed and access restrictions.

In order to determine the protectiveness of the remedy, EPA will conduct studies, perform a site inspection, and review existing operation and maintenance information. The EPA will also interview project managers, evaluate any changes in our understanding of site conditions since the remedy was selected, and review new federal and State requirements.

# The Soil Vapor Extraction System

One significant study that is part of this Five Year Review is the resumption of the Soil Vapor Extraction (SVE) system at the site. The original SVE system at the site was turned off in 1998.

To assist the public in understanding our proposal, please review the following Q&A:

What is Soil Vapor Extraction?

*Soil Vapor Extraction (SVE) is a treatment technology that uses a vacuum to remove vapors and other gasses from soils that are not saturated with fluids.*

Who will be installing the SVE?

*The Hassayampa Steering Committee will be installing the SVE under the direction of the U.S. EPA and the Arizona Department of Environmental Quality.*

Why will the SVE be installed?

*The SVE will be installed to assist us in determining the location and relative mass of contaminants located at the Hassayampa Landfill Site.*



Figure 2: Soil Vapor Extraction System (SVE)

Where will the SVE be installed?

*The new SVE will be installed at the location of the previous SVE system. It is of higher quality than the old SVE.*

When will the SVE be installed?

*We expect installation of the SVE in January or February 2006.*

How long will the SVE operate?

*We anticipate operating the SVE for one year, to collect data and determine if the remedy is working as designed.*

What are the expected results of the SVE?

*We foresee results that will indicate the need to review the existing performance standards in the remedy and to make the appropriate changes.*

Will the SVE impact the community in any way?

*There will be no impact to the community from the operation of this SVE or any other study conducted as part of this Five-Year Review.*



Figure 3: Hassayampa Landfill Superfund Site

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For further information or to be placed on the mailing list, please contact:

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**Hassayampa Landfill website info: <http://www.epa.gov/superfund/sites/npl/az.htm>**

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