



# Hassayampa Landfill Superfund Site



U.S. Environmental Protection Agency • Region 9 • San Francisco, CA • December 2011

## Third Five Year Review Completed

The U.S. Environmental Protection Agency (EPA) has completed its third Five-Year Review of the Hassayampa Landfill Superfund Site (Site), near Buckeye, Arizona. See Figure 1.

The purpose of the Five-Year Review is to evaluate whether the Superfund cleanup remedy for the Site continues to be protective of human health and the environment. EPA requires these reviews every five years, if hazardous waste is left on a site, as in the case of this closed landfill.

Based on the results of the Five-Year Review, the U.S. Environmental Protection Agency (EPA) finds that the cleanup remedy at the Site is currently protective of human health and the environment because there is no exposure to contaminated soils, soil vapor or groundwater. To remain protective for the long-term, the Site will need to be continually monitored and the soil vapor and groundwater contamination will need to be continually captured and controlled because of the hazardous wastes left in place at the Site.

The Five-Year Review concluded that the landfill cap is sound and in good condition. The groundwater treatment is operating as required, with the exception of one break-through event (discharge of contaminated groundwater) in 2008, and groundwater monitoring has been conducted as planned. The soil vapor treatment system is generally operating effectively; however, the Five-Year Review includes some recommendations for increasing the system's efficiency. More frequent oversight and maintenance measures have been implemented during this last year on both systems.

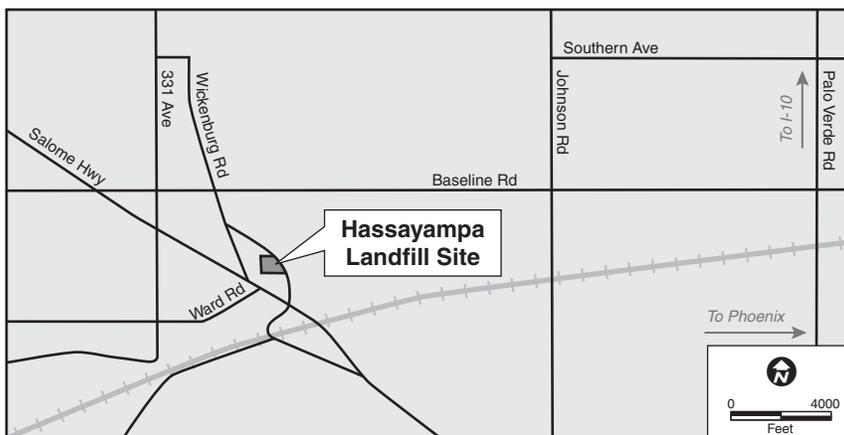


Figure 1. Location of Hassayampa Landfill Superfund Site

## Issues and Recommendations

The Five-Year Review determined that there are several potential issues that may affect protectiveness in the long-term and recommended various follow-up activities:

- Consider more aggressive source area treatment to accelerate removal of volatile organic compounds (VOCs) in the subsurface and to reduce the potential future risk of impacts to the deeper Unit B drinking water aquifer;
- The current groundwater monitoring network needs additional wells for long-term monitoring of the Site;
- The impact of continued reinjection of nitrate slightly above drinking water standards into the Unit B drinking water aquifer needs to be reassessed; and
- The current Operations and Maintenance (O&M), Sampling and Analysis, and Performance Monitoring and Verification Procedures are out of date and several Site plans need updating.

## Next Steps

EPA will be working with the Hassayampa Steering Committee to follow-up on the recommendations in the Five-Year Review. The goal is to have sufficient data and measures in place so that EPA can make a determination that the remedy is protective for the long-term, as well as for the near-term at the time of the next Five-Year Review, which is planned for 2016.

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## Site Information

The 2001, 2006, and 2011 Five-Year Review Reports for the Hassayampa Landfill Superfund Site are available to the public at the information repositories listed below:

**Buckeye Library**

301 North 6<sup>th</sup> St.  
Buckeye, AZ 85326  
(623) 349-6300

**U.S. EPA Records  
Management Center**

95 Hawthorne St.  
San Francisco, CA 94105  
(415) 820-4700

**ADEQ Records  
Management Center**

1110 W. Washington St.  
Phoenix, AZ 85007  
(602) 771-4380 or  
(800) 234-5677

The prior Five-Year Review Reports are also available on EPA's website at:  
**[www.epa.gov/region09/HassayampaLandfill](http://www.epa.gov/region09/HassayampaLandfill)**

Additional information on the site is also provided on the ADEQ web page at:  
**<http://www.azdeq.gov/envIRON/waste/sps/statesites.html#hassya>**



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For additional questions or comments regarding this notice or the Five Year Review, please contact either EPA or ADEQ:

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