The U.S. Environmental Protection Agency (EPA) invites the public to two community meetings to learn about the cleanup of residential yards in Hayden and Winkelman, AZ, and the pending cleanup investigation on the ASARCO property. The meetings will cover the same information.

Yard Cleanup in Hayden and Winkelman

ASARCO continues to address contamination under the oversight of EPA and the State of Arizona Department of Environmental Quality (ADEQ). ASARCO’s yard sampling and cleanup project in Hayden and Winkelman is on track and scheduled to be near completion by the end of July. Approximately 650 properties in the two towns have been sampled. Of these properties, just over 40% or 250 have required cleanup for arsenic, copper and/or lead. ASARCO has paid for these cleanups. The remainder of the homes do not require cleanup.

Of the homes that do not require cleanup, possible reasons include the prior removal of contaminated soils (for landscaping and other purposes), the prior addition of clean soil on top of the contamination (for drainage, landscaping or other purposes), construction on top of the contaminated soils which created an exposure barrier, and/or the erosion or movement of contamination off of the residential site through historic rain events.

In addition to the above reasons, wind patterns, or the greater distance from the source areas (smelters or concentrator), may also have influenced why sampling showed lower contaminant levels in some areas of the towns.

In addition to residential yard cleanups, other areas such as vacant lots, businesses and dirt alleys where citizens could be exposed to contamination have also been sampled and, if needed, cleaned up.

Air Monitoring Update

The ongoing air monitoring in Hayden and Winkelman has confirmed the continued presence of metals such as lead, arsenic, and chromium at levels that pose a long-term health risk.

The following table provides a summary of data collected by air monitoring stations for various metals in air.
The table includes the maximum recorded concentration for each metal and the average concentration detected, except for lead. The average contaminant levels used in Table 1 come from monitors located in Hayden, because the average levels in Winkelman are lower. The concentrations are compared to health based air quality standards.

<table>
<thead>
<tr>
<th>Metal</th>
<th>Arsenic</th>
<th>Cadmium</th>
<th>Chromium</th>
<th>Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>max detected value mg/m³</td>
<td>0.189</td>
<td>0.035</td>
<td>0.007</td>
<td>0.8</td>
</tr>
<tr>
<td>average detected value mg/m³</td>
<td>0.024</td>
<td>0.005</td>
<td>0.002</td>
<td>Data not analyzed for average</td>
</tr>
<tr>
<td>air quality standard ug/m³</td>
<td>0.00045</td>
<td>0.0011</td>
<td>0.00016</td>
<td>0.15</td>
</tr>
</tbody>
</table>

**Table 1: Air Quality Data**

These results will be discussed at the July 21 and 22 public meetings, and are currently available both on EPA’s web site and in a document called the “Remedial Investigation Report” at the information repository at the Hayden Library.

The next step in the air investigation will be to pinpoint sources of air emissions. This investigation will focus on sources of various metal contaminants from the smelter and concentrator. EPA and ADEQ will work together to develop a permit that will reduce these emissions from active smelter and concentrator operations to levels that are protective of public health.

**ASARCO-owned Property Investigation**

ASARCO property includes the facility grounds, where copper production is ongoing, as well as waste piles that exist along Kennecott Avenue and the area east of Hayden City Hall.

Past investigations of ASARCO’s property by EPA have discovered elevated levels of metals, such as arsenic, copper and lead in the air and soil. These results will also be discussed at the public meetings, and are currently available both on EPA’s web site and at the Information Repository at the Hayden Library.

ASARCO, under the oversight of EPA, will perform the additional investigations of the smelter, concentrator and other ASARCO-owned properties. Specific investigations will include sampling piles of waste soil from old operations, as well as active sources related to ongoing crushing, grinding, smelting, travel on dirt roads and other activities.

**Information Repositories**

EPA has established two information repositories for community members. Documents are available for review at:

- **Hayden Public Library**
  175 5th Street
  Hayden, AZ 85235

- **Arthur E. Pomeroy Public Library**
  912-A Tilbury Road
  Kearny, AZ 85237

The EPA website for this site is found through [http://www.epa.gov/region09/AsarcoHaydenPlant](http://www.epa.gov/region09/AsarcoHaydenPlant)
The soil investigation will identify the levels of contamination and determine if cleanup is needed to reduce exposure to the residents of Hayden and Winkelman. Groundwater and surface water will also be investigated. This part of the investigation will begin towards the end of 2009.

**Garms Park Re-Dedicated**

EPA has confirmed that ASARCO's cleanup effort at Garms Park is complete and that the area is ready for use. The park was rededicated on June 20th. Improvements include new grass and playground equipment, and repainting of the memorial to fallen military service members.

**ASARCO Cleanup Site Information on the Web**

EPA has made a number of cleanup documents available on the internet. These include: EPA's Phase I Remedial Investigation, and the Agreement between EPA, ADEQ and ASARCO to allow EPA and ADEQ to oversee ASARCO's work. To access these documents, click on http://www.epa.gov/region9/AsarcoHaydenPlant.

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**For Further Information**

If you have questions or concerns, please contact the following individuals:

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You can also call toll-free (800) 231-3075. Leave a message and your call will be returned.