



# Kim-Stan Landfill

Selma, Virginia

## Site Description

The Site is a 24 acre elongated mound 50 to 85 feet above Route 696 with a relatively flat top that slopes from the side of the mountain to the south, northward to Route 696. An estimated 8 to 9 million gallons of leachate releases from this landfill each year and discharges to the Jackson River located approximately 1,000 feet down gradient of the Site. Adjacent land use includes a sawmill to the east, a heavy equipment repair shop to the west, and to the north (across Route 696), an historic church and cemetery beyond which the CSX railroad yard expands to the east. The southern border of the landfill is the north slope of the forested Rich Patch Mountains, which is part of George Washington National Forest. Access to the landfill is limited by a 7-foot, chain-link fence topped with barbed-wire on the north and west side. The landfill may be entered through the sawmill property during business hours only.

No buildings are present at the landfill. Structures present include a storm water pond outlet in the northeast corner of the property, and several 5-foot in diameter concrete sump or "manhole" features associated with an historic leachate collection and management system at the Site.

## Current Site Status and Cleanup Actions to Date

- During 2000-2001, Allegheny County completed a project to divert clean storm water around the landfill, thereby reducing the volume of leachate generation. These activities were funded by the Commonwealth of Virginia.
- On September 27, 2002 the Record of Decision (ROD) was signed.
- In August 2003 the remedial design (RD) was completed.
- EPA Region 3 is currently beginning the remedial action (RA) to implement those portions of the August 2003 RD having to do with capture and treatment of the leachate. Funding for these activities came from Region 3 monies and not from the Superfund Remedial Action funds.
- Contract #1 (Leachate Pipeline) and Contract #2 (publicly owned treatment works (POTW) upgrade) have been awarded and work will begin in early December 2005.
- A focused Remedial Investigation/Feasibility Study (RI/FS) is being completed to select a permanent cleanup remedy for the Site using the presumptive remedy approach for municipal solid waste landfills.

## Current Funding Status

- In 2001 EPA spent approximately \$790,000 for the RI/FS.
- In 2003 EPA spent approximately \$500,000 for the RD effort.
- EPA is funding the RA using regional funds to begin constructing the leachate collection and treatment system.
- EPA has undergone the procurement process to award the contract for

## Key Accomplishments

- Focused Remedial Investigation/ Feasibility Study (RI/FS) to select a permanent cleanup remedy for the Site using the presumptive remedy approach for municipal solid waste landfills.
- Completed the remedial design (RD) in August 2003.
- EPA has spent approximately \$1.29 million for the RI/FS and the RD efforts.

For more information on the projects at this site, please read the [Kim Stan Landfill Fact Sheet](#) on the Region 3 Superfund Web site.



the leachate conveyance line (Contract #1) and the contract for the POTW upgrade (Contract #2).

- Upon receipt of the bids for the two contracts, an additional \$850,000 had to be provided due to higher than estimated bids. The RD estimates were completed in Fiscal Year (FY) 2003 and did not anticipate the rise in fuel prices or the increased development taking place in this area of Virginia. As a result, the bids received in 2005 were higher than estimated and additional funds were provided through the regional budget.
- Funding sufficient to implement Contract #1 (Leachate Pipeline) and Contract #2 (POTW Upgrade) has been provided through regional funds.
- EPA anticipates needing funding totaling approximately \$8.38 million in FY 2006 to complete the RA by constructing the landfill cap.