



Kim Stan Landfill Superfund Site

-- EPA Transfers Site Maintenance to VDEQ --

Selma, Alleghany County, VA



U.S. Environmental Protection Agency, Region 3

March 2012

VDEQ to Assume O&M Lead at Kim Stan

The U.S. Environmental Protection Agency (EPA), in cooperation with the Virginia Department of Environmental Quality (VDEQ), has been implementing final landfill closure activities at the Kim-Stan Landfill since 2005.

This month, EPA will transfer responsibility for on-going Site operation, maintenance and monitoring to the VDEQ.

EPA has capped the Landfill, installed a Leachate Collection System and expanded the Low Moor Publicly Owned Treatment Works to treat the leachate coming from the Site. EPA completed the work in August of 2009 and has spent the last several years ensuring the system is operating properly prior to transferring the Site to the VDEQ. When the transfer from EPA-lead to VDEQ-lead is completed, EPA will continue to provide technical support to VDEQ project managers, as needed.

EPA and VDEQ will hold an **Availability Session on March 12, 2012**, so residents can meet the project managers and ask any questions they may have about the cleanup project. The Availability Session will be at the Alleghany County Governmental Complex

Current Status and Next Steps

The landfill continues to produce leachate. Leachate is simply water that passes through waste materials and carries some of the waste with it. A good illustration of how the leachate process works can be found in your coffee pot. Brewing your morning coffee involves essentially the same process.

It will take many years before the landfill stops producing leachate, but at this stage, the leachate is captured and shipped to the Low Moor plant for treatment. VDEQ will assume primary responsibility for the operation and maintenance of the landfill, including monitoring landfill gas and groundwater.

EPA's next steps will involve providing technical support to VDEQ, as needed, and conducting Five-Year Reviews at the Site (a comprehensive review to assess whether the Site remains protective of human health and the environment) until the established cleanup goals are met.

Work Done to Date

Work done at the Site includes:

- ✓ Expansion of the Low Moor Waste Water Treatment Plant.
- ✓ Installation of a new 265,000 gallon waste water treatment tank.
- ✓ Construction of a new grinder pump station (Pikes Pond).
- ✓ Installation of a 4,300-foot leachate pipeline between the landfill and the Low Moor Waste Water Treatment Plant.
- ✓ Construction of a 22.16 acre, engineered landfill cover.
- ✓ Construction of a leachate collection, pretreatment, and transfer system.
- ✓ Construction of a leachate collection trench along the north side of the landfill.
- ✓ Construction of a vegetative cover to blend the landfill into the surrounding community.

Although VDEQ will take the lead for Site operations, EPA will continue to conduct Five-Year Reviews. The last review was completed in December 2010, and the next review will be completed by December 2015. The 2010 Five-Year Review determined that the Site was protective of human health and the environment.



Kim Stan Landfill after cleanup

Brief Site Background

- ❖ The Kim Stan Landfill Site is a 24-acre landfill which was in operation between November 1972 and May 1990.
- ❖ In 1982, a number of organizations, including EPA and the VDEQ, began sampling the Site to assess the conditions at the landfill.
- ❖ On May 11, 1990, the landfill was shut down by a court order.
- ❖ The Site was listed on the National Priorities List in 1999, making the Site eligible for investigation and cleanup using EPA's Superfund Program.
- ❖ Construction began in December of 2005 and was completed in three phases. Final construction was achieved in August of 2009.
- ❖ EPA has been and will continue working with state and local officials.



Kim Stan Landfill

For More Information

Visit our Kim Stan Landfill Site webpage at:
<http://www.epa.gov/reg3hwmd/npl/VAD077923449.htm>

Or Contact

Carrie Deitzel
EPA Community Involvement Coordinator
(215) 814-5525
deitzel.carrie@epa.gov

Anthony Iacobone, EPA Remedial Project Manager
(215) 814-5237
iacobone.anthony@epa.gov

Karen Doran, VDEQ Project Manager
(804-698-4594)
Karen.Doran@deq.virginia.gov



Meet and Greet

Please join us at an **Availability Session** for residents who would like to meet EPA and VDEQ project managers for Kim Stan Landfill.

Monday March 12, 2012
6:00 p.m. – 8:00 p.m.

at the
Alleghany County Governmental Complex
located on
9121 Winterberry Ave.
Covington, VA



Kim Stan Landfill Superfund Site - Community Update March 2012



U.S. Environmental Protection Agency Region 3
Attn: Carrie Deitzel
1650 Arch Street (3HS52)
Philadelphia, PA 19103