

# **Buckingham County Landfill Superfund Site**

## **Site Update**

### **Dillwyn, Virginia**

### **November 2008**

### **EPA Finalized Five-Year Review**

EPA will hold an Information Meeting to discuss the finalized Five-Year Review for the Buckingham County Landfill Superfund Site. The site is located in Buckingham County, Dillwyn, Virginia. The meeting is scheduled for **Wednesday, November 19, 2008 at 7:00 p.m.**

### **Summary**

The second Five-Year Review for the Buckingham County Landfill Superfund Site was completed in September 2008 and is currently available for review (see last page). Results of this review concluded that the 1998 landfill cap and quarterly groundwater monitoring program are not functioning as designed and additional work is needed to properly address the site.

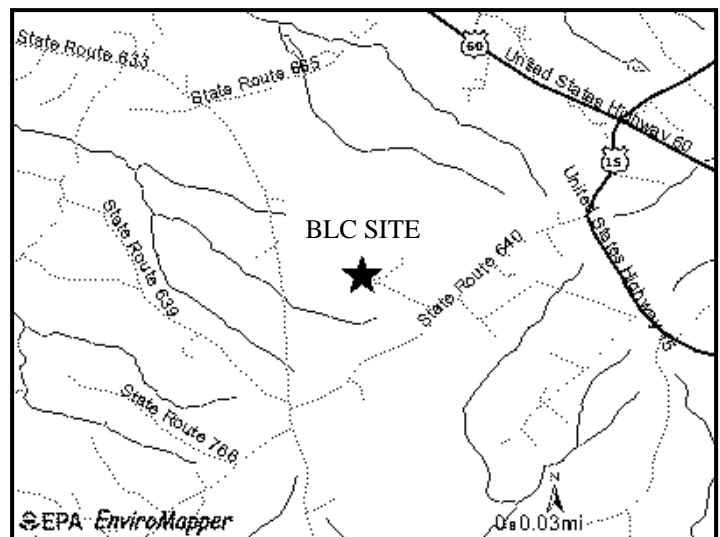
The site is the former location of a 2-acre hazardous waste disposal operation. The remedy put in place included regrading and capping of the hazardous waste disposal area, institutional controls, and quarterly groundwater monitoring. Groundwater monitoring was put in place to ensure that contaminated groundwater is not migrating through subsurface soils and leaving the former hazardous waste disposal area, which could affect drinking water sources.

### **Site History**

The site, located in Dillwyn, Virginia, consists of a 2-acre hazardous waste disposal area. A 7-acre domestic waste landfill is located directly south of the site. Several companies, including Thomasville Furniture Industries, Inc., used the site to dispose of various wastes between 1962 and 1983. As a result of these disposal activities, the groundwater is contaminated with various volatile organic compounds (VOCs) such as trichloroethylene (TCE) and semi-volatile compounds such as 1, 4-dioxane.

From 1962 until 1982, the site was owned and operated by Joseph Love. Initially, the site was used for disposal of municipal solid waste. In 1977, the sanitary landfill permit was modified to allow for disposal of 50-gallons

per week of industrial furniture-making waste. In 1979, the Virginia State Board of Health (VSBH) approved an increase in the quantity of "special" waste to 30,000 – 40,000 gallons per month. In general, operations in the hazardous waste disposal area involved the receipt of drummed liquid wastes, which were poured into an evaporation trench. Solids remaining after evaporation were buried in a second trench and the crushed empty drums buried in a third trench. The disposal operation was not completely closed until 1983, when the hazardous waste portion of the site was closed.



The site was proposed to EPA's National Priorities List (NPL) in April 1985, and finalized on the list in October 1989. The remedial investigation and feasibility study was completed in 1993. The Record of Decision (ROD) was finalized in 1994 and EPA selected the remedy preferred by the local community, using the "Nine Criteria Analysis" listed on the back page of this update. Quarterly groundwater monitoring was instituted in April of 1998, and is ongoing.

### **PUBLIC MEETING**

**DATE: NOVEMBER 19, 2008**

**DAY: WEDNESDAY**

**TIME: 7:00 PM**

**WHERE: Buckingham County High School  
78 Knights Road  
Buckingham, VA 23921-9655**

# U.S. Environmental Protection Agency

## Site Update for the Buckingham County Landfill Superfund Site



U.S. Environmental Protection Agency Region 3  
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[Address label can go here](#)

### What is a Five-Year Review?

EPA inspects sites every five years to ensure that cleanups remain fully protective of human health and the environment. These regular reviews, which are required by law when contaminants remain at a site include:

- Inspection of the site and cleanup technologies;
- Review of monitoring data, operating data, and maintenance records; and
- Determination if any new regulatory requirements have been established since EPA's original cleanup decision was finalized

### Additional information about the Buckingham County Landfill Superfund Site

is available on EPA's website:

[www.epa.gov/reg3hwmd/super](http://www.epa.gov/reg3hwmd/super)

Select the 'Virginia' link and then, on the next page, click on the

'Buckingham County Landfill' link.

To review Site-related documents, click on the 'Administrative Record' link.

### EPA'S Nine Criteria Analysis

Before EPA chooses a final cleanup method, the alternatives are evaluated using nine criteria to make sure the EPA is selecting the best cleanup for the site. The nine criteria are:

1. Overall Protection of Human Health and the Environment
2. Compliance with Applicable or Relevant and Appropriate Requirements
3. Long-term Effectiveness
4. Reduction of Toxicity, Mobility, or Volume
5. Short-term Effectiveness
6. Implementability
7. Cost
8. State Acceptance
9. Community Acceptance

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### For More Information

You may visit the Site's website at: <http://epa.gov/reg3hwmd/super/sites/VASFN0305528/index.htm>, or visit EPA's Public Reading Room at: 1650 Arch Street, Philadelphia, PA. Call 215-814-3157 for an appointment.

The Results of the Five-Year Review are currently available and accessible at the website listed above. You will be able to access the Site's Review the same way you access other files.